

# Westwood

## DE-AERATION



### Tigerloop® Oil De-Aerators

**Increase Efficiency!  
Burn Oil Cleaner!  
Reduce Soot!**



**Standard  
Models**



**BioHeat®  
Models  
(up to B100)**

Tigerloop® will increase the efficiency of any burner by reducing vacuum, removing air and pre-heating oil delivered to the nozzle. Tigerloop® also reduces soot problems by burning cleaner and minimizing nozzle drips from air bubbles expanding in the nozzle line.

## FILTRATION

**Oil Filters  
&  
Spin Ons**



## IGNITION

**Electrodes  
& Terminals**



**Rajah™ Terminals**



## ACCESSORIES

**Couplings**

**Nylo-Flex™**

**Spiralink™**



**Testers**



# Heating Products

Westwood Products Inc.

[www.WestwoodProducts.com](http://www.WestwoodProducts.com)

330 William Street • P.O. Box 610 • South River, NJ 08882

Dear Westwood Customer,

Here is the latest Westwood Heating Products Catalog. As with our previous issues, this issue has new items and additions that are geared to the heating service industry. Every section has been revised and updated in our ongoing effort to make the Westwood Catalog the most comprehensive reference source for the products your customers, as professionals, demand and deserve.

In keeping with today's trend toward renewable fuels, we have expanded the number of products that are "BIOFUELS COMPATIBLE". Look for our logo (shown below) throughout the new catalog.

Our customers continue to remark that they had no idea such a varied and complete line of products was hidden amongst all those pages. Take a look yourself and browse through this latest issue. A small investment of time will prove a worthwhile experience. You will find that Westwood has truly become a "one stop" source for all your heating specialty needs.

Sincerely,




Pat DiNicola  
President



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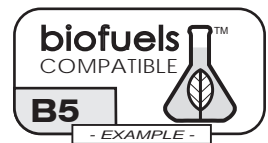
#### PUBLIC NOTICE OF RESTRICTED PRODUCT USE

 The products shown in this catalog are "for professional use only" and not for use by the general public. They are for use in servicing heating equipment by a trained, qualified technician familiar with such systems, equipped with the proper tools and equipment, familiar with all governing codes and ordinances, and licensed by the proper authority where applicable. **WARNING: USE OF THESE PRODUCTS BY AN UNQUALIFIED PERSON CAN RESULT IN HAZARDS TO THAT PERSON AND OTHERS. THESE HAZARDS MAY INCLUDE RELEASE OF FUEL, FIRE, SEVERE BURNS, DAMAGE TO SYSTEM COMPONENTS, AND OTHER HAZARDS**

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#### STATEMENT OF BIOFUELS COMPATIBILITY

The use in this catalog of the "biofuels COMPATIBLE" logo for a product indicates that the item has been tested by Westwood Products or the product's manufacturer and found to be suitable for use with biofuels made from biodiesel meeting ASTM D6751 and fuel oil meeting ASTM D396 at the blends indicated on the logo (i.e. B5, B20, B100), or lower. This suitability is specific as to that product's life expectancy and performance when used (1.) in an application for which it was originally designed, and (2.) as part of a system wherein all other non-Westwood components have been similarly approved by their respective manufacturers. Further, the indication of biofuels compatibility for an item that is UL Listed, or is a UL Recognized Component, shall not be construed to indicate testing by UL for biofuels compatibility.



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#### TERMS

**Invoice Terms:** 2% 10 days, Net 30 days upon credit approval. No discount allowed on freight charges.

**Freight:** All shipments FOB our plant, South River, New Jersey.

**Prices:** Price lists are available only to authorized distributors. Possession of a confidential price list by anyone else does not constitute an offer to sell. All prices subject to change without notice.

**Sales Policy:** Westwood Products Inc. sells only to wholesale supply houses or original equipment manufacturers. All orders are subject to home office approval. Minimum order charge is \$25.00.

**Late Charges:** There will be a 1-1/2% per month late charge on accounts over 30 days old.

**Returns:** Returned goods will not be accepted without authorization and may be subject to a restocking charge.

**Warranty:** Westwood Products Inc. guarantees that any product of its manufacture which is found to be defective in material or workmanship and is not suitable for use or service for the purpose for which it is designed will be replaced free of charge within one year of purchase. This includes transportation costs (US only) but no costs of installation. Inspection must be performed by a Westwood representative. This shall be Westwood's maximum liability. The sale of these products under any other warranty, expressed or implied, is not authorized by Westwood.

## QUICK INDEX TO SECTIONS

CONTAINS

SECTION

CROSS FORMER PART NUMBERS TO NEW



No.

CROSS  
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ODOR NEUTRALIZERS, FUEL TREATMENT, SOLVENTS

**C****ELECTRICAL**

ELECTRODES, TERMINALS, AND RELATED ITEMS

**E****FILTERS & FILTER ELEMENTS**

HEATING OIL FILTERS AND RELATED ITEMS

**F****HYDRONIC**

PRODUCTS FOR STEAM &amp; HOT WATER HEAT

**H****SERVICE PARTS & SUPPLIES**

PRODUCTS TO SERVICE &amp; MAINTAIN HEATING SYSTEMS

**S****TOOLS & TESTERS**

SPECIALIZED TOOLS &amp; TESTERS FOR THE SERVICE TECH

**T**

COMPLETE ALPHABETICAL INDEX OF PRODUCTS

**INDEX**

# CROSS REFERENCE

Reference No.

TO



No.

(Before May 1, 2004 Westwood number)

(After May 1, 2004 Westwood number)

As of May 1, 2004, all Westwood part numbers were changed and updated to a new numbering system. This cross reference contains a listing by "Reference No." (the pre May 1, 2004 part number) and shows the corresponding new part number and the page number on which the item may be found.




## SPECIAL NOTE: FOR ELECTRODES, PORCELAINS, & Rajah™ TERMINALS

The  No. for electrodes and related items is "E5- " followed by the former number.

Example: former electrode number "1510" is now "E5-1510"

The  No. for Rajah™ terminals and related items is "E9- " followed by the former number.

Example: former Rajah™ terminal number "CT" is now "E9-CT"

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#33 Gasket	H6-55	H2	#1251	S85-570	S6	5508	S100-162	S10
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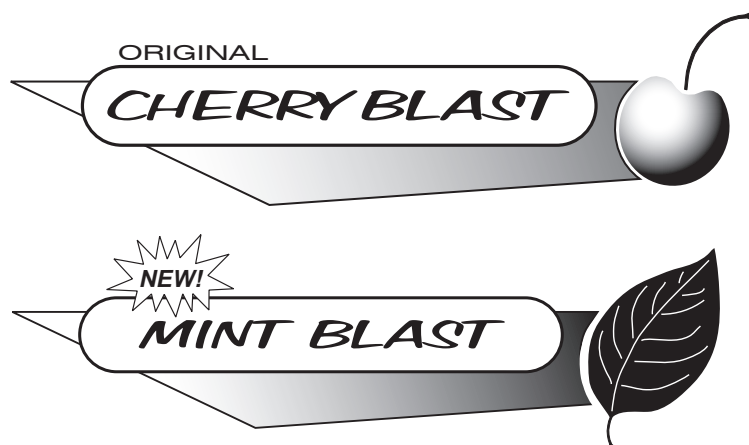
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# ODOR NEUTRALIZERS

No more: "PU, what's that smell?"



General purpose industrial strength odor neutralizers. Especially effective on fuel oil and other basement odors. Leaves a pleasant, clean, fresh scent that customers will like. Easy to spread granules (*CHERRY BLAST*) or (*MINT BLAST*).



No. **C25**



No. **C30**

No.	Description
C25	CHERRY BLAST fuel oil odor neutralizer, 1 quart shaker container
C30	MINT BLAST fuel oil odor neutralizer, 1 quart shaker container

## WP-3

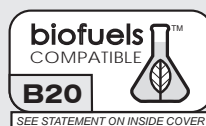
## HEATING OIL ADDITIVE

Next generation fuel oil additive that stabilizes fuel, dissolves sludge, lowers pour point and disperses water. Helps prevent fuel line and oil filter freeze-ups.

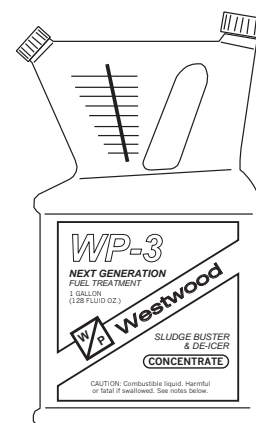
- ▶ Stabilizes fuel and dissolves sludge
- ▶ Inhibits rust and tank corrosion
- ▶ Lowers pour point for better cold weather combustion
- ▶ Disperses water and prevents waxing
- ▶ Melts ice and helps prevent fuel line freeze-ups



No. **C50**



No.	Description
C50	WP-3 premium fuel oil additive, 8 oz. bottle (treats 275 gal. tank)
C50-1	WP-3 premium fuel oil additive, 1 gallon "Tip-N-Pour" bottle
C50-55	WP-3 premium fuel oil additive, 54 gallon drum



No. **C50-1**

Please order by No.

rev. 04-04-18

# C1

NATIONAL  
DISTRIBUTOR

# UTILITY PRODUCTS

Quality Chemicals for the Service Professional

## SPRAY SOLVENTS



 No. C80-10

**SOLVIT**  
SPRAY SOLVENT  
Non-Flammable  
Non-Corrosive  
Non-Conductive  
Dries Instantly  
12 oz.



 No. C80-12

**SOLVIT GREEN**  
SPRAY SOLVENT  
Environmentally Safer  
Non-Chlorinated  
Non-Brominated  
Non-Corrosive  
Non-Conductive  
Dries Instantly  
12 oz.



 No. C80-14

**DE GREASE IT**  
FOAMING DEGREASER  
Water Soluble  
Non-Flammable  
Emulsifies Grease  
Wipes off easily  
12 oz.



 No. C80-16

**DE GREASE IT PLUS**  
FOAMING DEGREASER  
Biodegradable  
Emulsifies Grease  
Wipes off easily  
12 oz.

## SOOT SPRAY



 No. C80-20

**SOOTAWAY**  
SOOT REMOVER  
No Flashback  
Non-Corrosive  
Leaves No Residue  
Harmless to Metal  
12 oz.

## SOOT STICKS



 No. C80-24

**SOOTAWAY**  
SOOT REMOVER STICK  
Non Explosive  
Non-Corrosive  
Leaves No Residue  
Harmless to Metal  
2.8 oz.



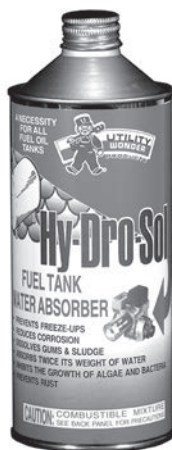


NATIONAL  
DISTRIBUTOR

## UTILITY PRODUCTS

Quality Chemicals for the Service Professional

### WATER ABSORBER



 No. C80-30

**HY-DRO-SOL**  
FUEL TANK

WATER ABSORBER  
*Absorbs twice its weight  
of water - Fights Freeze  
Ups - Inhibits algae and  
bacteria growth*  
32 oz.

### ODOR ABSORBENT



POWDER

 No. C80-50

**ODOR KILL**  
ODOR ABSORBENT  
POWDER

*Absorbs fuel oil odors  
from leaks and spills*  
14 oz.



SPRAY

 No. C80-56

**ODOR KILL**  
ODOR ABSORBENT  
SPRAY

*Absorbs fuel oil odors  
from leaks and spills*  
12 oz.

As a National Distributor, the entire Utility Products line  
is available through Westwood

# Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

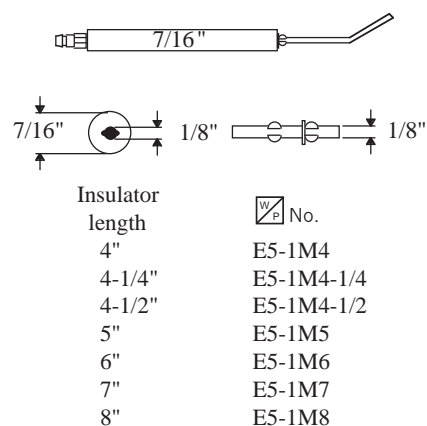


**NOTE:** Electrode and related items part numbers are now "E5-" followed by the former number.

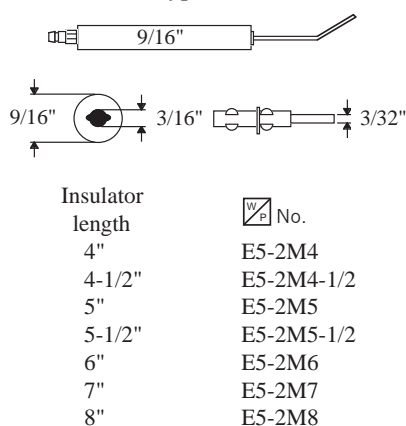
Example:

$$\begin{array}{c}
 \boxed{\begin{array}{c} W \\ P \end{array}} \text{No.} \\
 \text{New Number}
 \end{array}
 =
 \begin{array}{c}
 \text{"E5-"} \\
 \text{"E5-" Prefix}
 \end{array}
 \begin{array}{c}
 \text{1M4} \\
 \text{Former Part Number}
 \end{array}$$

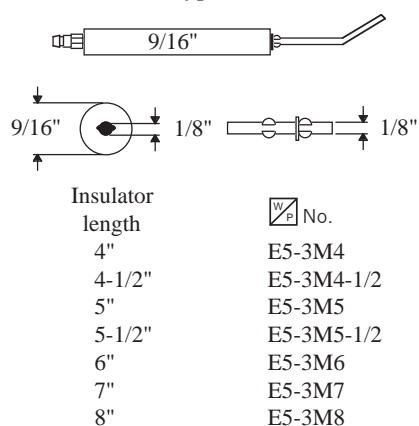
Type 1M



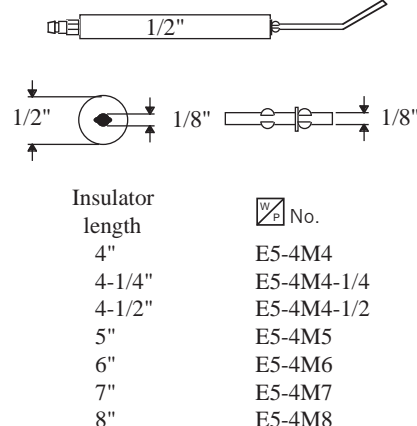
Type 2M



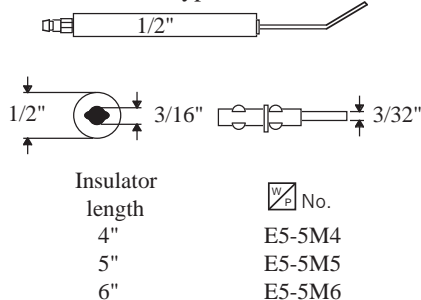
Type 3M



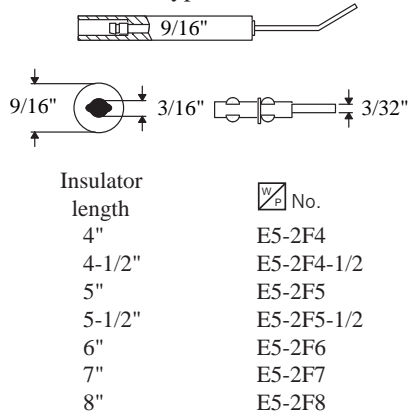
Type 4M



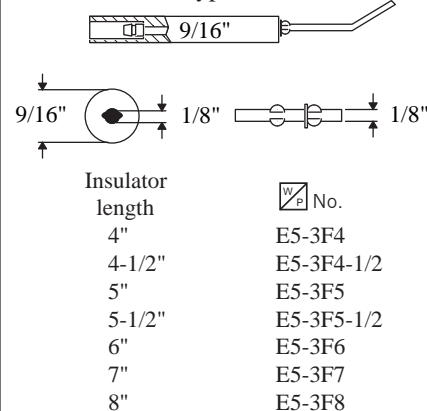
Type 5M



Type 2F



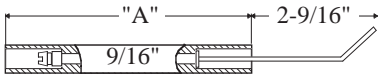
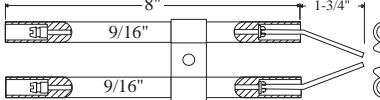
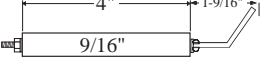
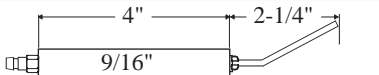
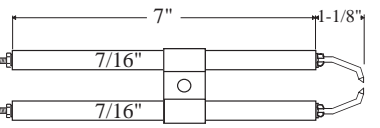
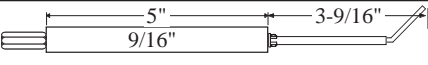
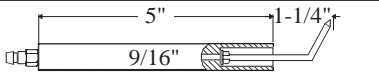
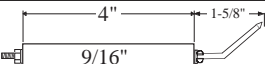
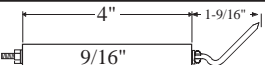
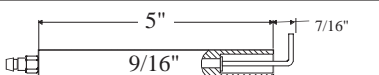
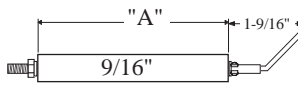
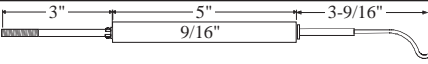
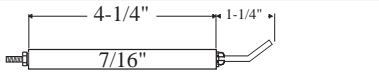
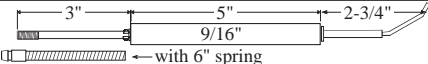
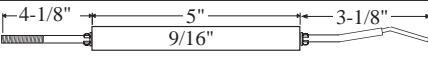
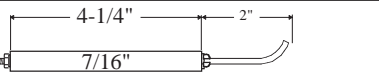
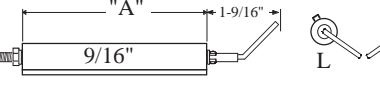
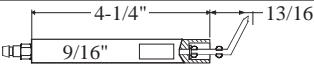
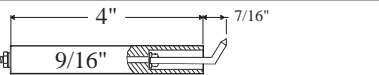
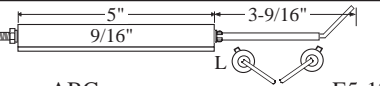
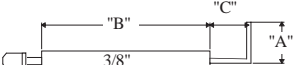
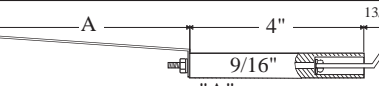
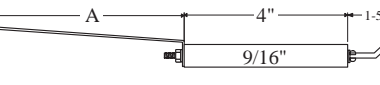
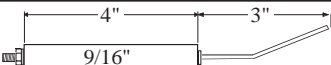
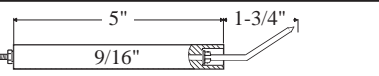
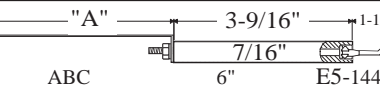

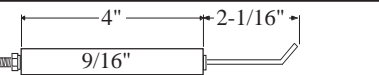

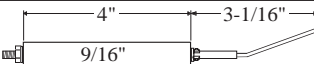
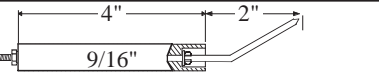

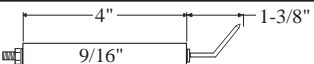
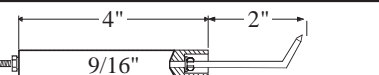
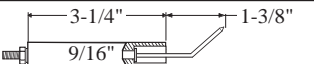
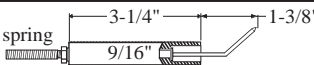

Type 3F



Note: To order the insulator only for any electrode found on this page, add "INS" to the part number.

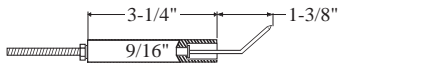
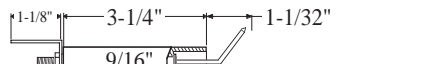
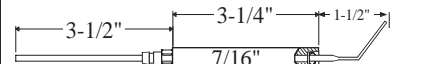
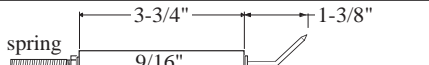
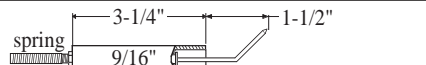
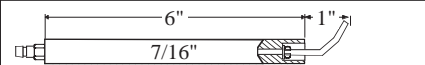
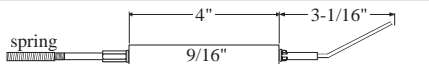
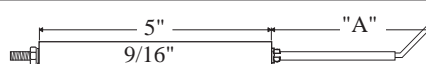
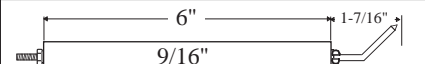
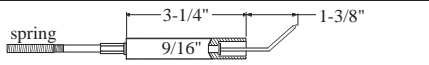
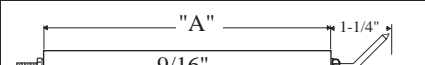
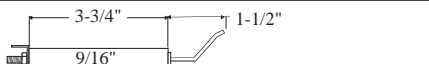

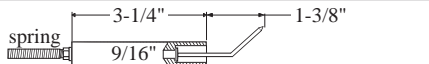
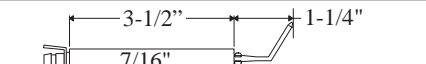
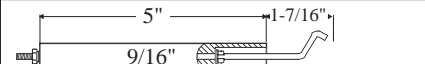
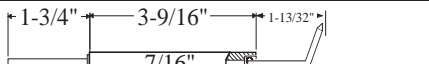
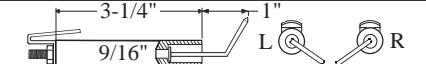
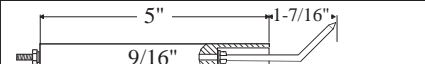


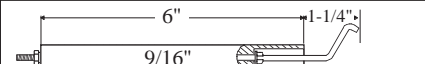
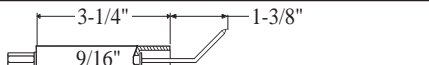
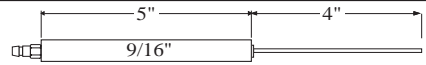
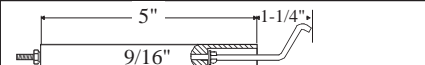

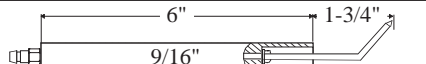
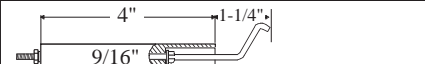
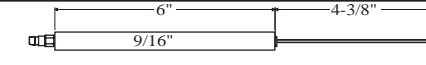

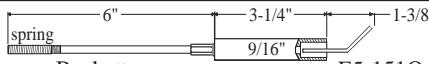

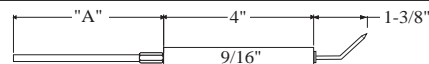
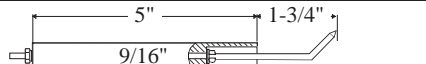

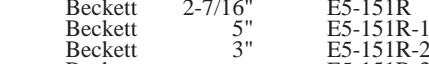
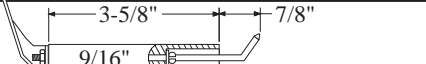
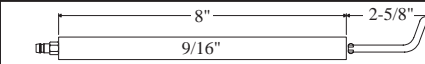

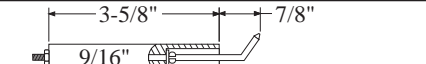

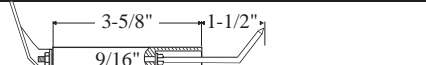
## Westwood electrodes &amp; insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

 <p>Ace "A" 5" E5-100 Ace "A" 6" E5-100B Ace "A" 7" E5-100C</p>	 <p>ABC (with bracket) E5-130</p>	 <p>ABC E5-147</p>
 <p>Acme E5-102A</p>	 <p>ABC (with bracket) E5-130A</p>	 <p>ABC E5-148</p>
 <p>Acme E5-102B</p>	 <p>ABC E5-148A</p>	 <p>ABC E5-148B</p>
 <p>Acme E5-107</p>	 <p>ABC "A" 4" E5-131A ABC "A" 5" E5-132A</p>	 <p>ABC E5-148C</p>
 <p>Aero E5-109</p>	 <p>ABC ← with 6" spring E5-148K</p>	 <p>ABC E5-148M</p>
 <p>Aero E5-110</p>	 <p>ABC "A" 4" E5-131 ABC "A" 5" E5-132</p>	 <p>ABC Sunray OE-1 E5-148Q</p>
 <p>Aero E5-110B</p>	 <p>ABC E5-133</p>	 <p>ABC Sunray "A" "B" "C" E5-148R ABC Sunray 7/16" 3-1/4" 3/4" E5-148R1 ABC Sunray 15/16" 3-1/4" 3/4" E5-148S</p>
 <p>Aero "A" none E5-111A Aero "A" 9-1/2" E5-111D Aero "A" 13-1/2" E5-111E Aero "A" 4-3/4" E5-111F Aero "A" 7-1/2" E5-111G</p>	 <p>ABC "A" 1-1/2" E5-137B ABC "A" 4-1/4" E5-137C ABC "A" 7-1/2" E5-137E</p>	 <p>Beckett E5-151A</p>
 <p>Arco E5-123</p>	 <p>ABC 6" E5-144A ABC 5" E5-144B ABC 4-1/2" E5-144C ABC 4" E5-144D ABC 3" E5-144E ABC 2" E5-144F ABC 1-3/4" E5-144G ABC None E5-144H</p>	 <p>Beckett E5-151B</p>
 <p>Arco E5-126</p>	 <p>ABC E5-146</p>	 <p>Beckett E5-151C</p>
 <p>Arco E5-127</p>	 <p>ABC "A" 4-1/4" E5-146A ABC "A" none E5-146B ABC "A" 4-1/2" E5-146C</p>	 <p>Beckett E5-151D</p>
 <p>Arco E5-127A</p>	 <p>Beckett E5-151E</p>	 <p>Beckett E5-151E1</p>
 <p>Armstrong E5-128</p>		

## Westwood electrodes &amp; insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

	Beckett E5-151F		Beckett E5-151U		Blueray E5-188O
	Beckett E5-151G		Beckett E5-151V		Branford E5-170
	Beckett E5-151I	 "A" Beckett 1-1/4" E5-151 Beckett 3-1/4" E5-152 Beckett 5" E5-152A Beckett 6-1/4" E5-153 Beckett 1-1/2" E5-153A			Carlin E5-184
	Beckett E5-151J				
	Beckett E5-151K			Carlin "A" E5-184A Carlin 4" E5-184B Carlin 5" E5-184C Carlin 6"	
	Beckett E5-151X				
	Beckett E5-151L		Beckett AF II HLX E5-151Z		Carlin E5-185
	Beckett E5-151M		Beckett AF 15 E5-152B		Carlin E5-185A
	Beckett E5-151N		Beckett AF II FBX E5-152C		Carlin E5-186
	Beckett E5-151O		Bethlehem E5-156		Carlin E5-187
	"A" Beckett 5" E5-151P Beckett 2" E5-151P1 Beckett 3/4" E5-151P2		Bettendorf E5-157		Carlin E5-187A
	Bettendorf E5-159		Carlin "A" E5-187B Carlin 5" E5-187C Carlin 6"		
	Beckett E5-151Q		Bettendorf E5-160A		
	Beckett (without spring) E5-151Q1		Bettendorf E5-160B		Carlin E5-188
	"A" Beckett 2-7/16" E5-151R Beckett 5" E5-151R-1 Beckett 3" E5-151R-2 Beckett none E5-151R-3 Beckett 6-3/4" E5-151R-4		Bettendorf E5-160C		Carlin E5-188A
	"A" Beckett 6-3/4" E5-151S Beckett 13-3/4" E5-151T		Bettendorf E5-160D		Carlin "A" E5-188B Carlin 7/8" E5-188B2 Carlin 1-9/16"
			Bettendorf E5-160E		



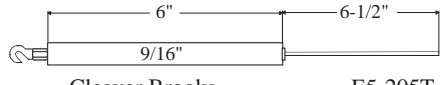
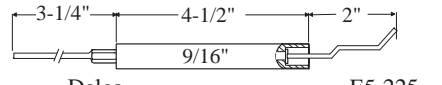
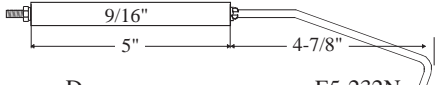
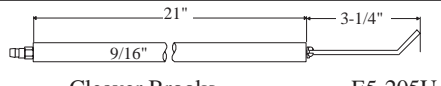
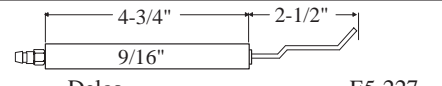
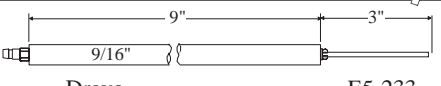
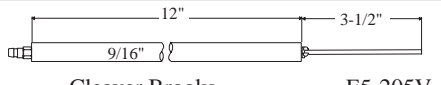
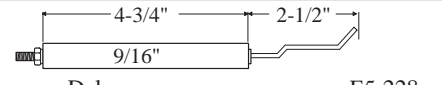
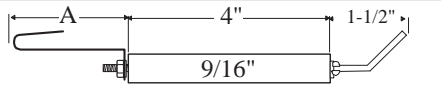
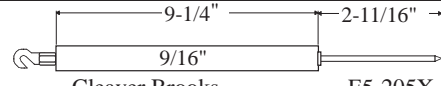
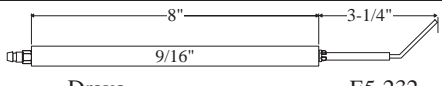
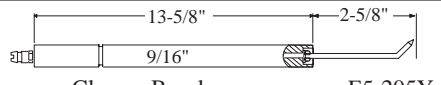
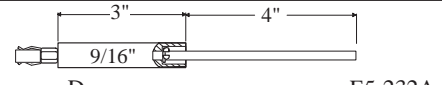
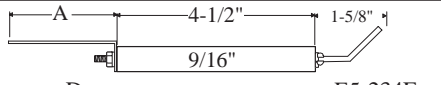
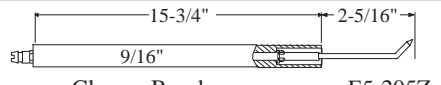
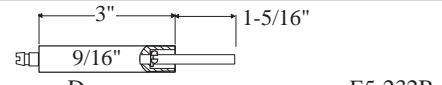
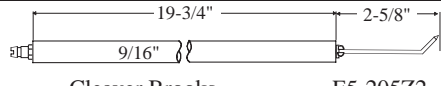
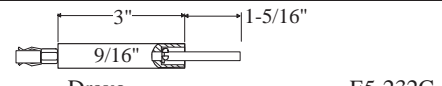
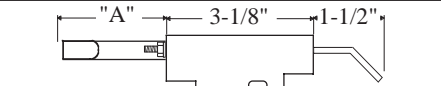
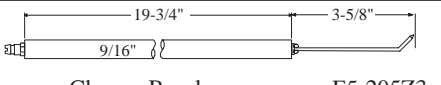
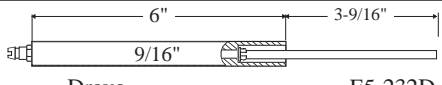
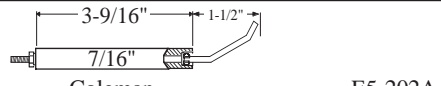
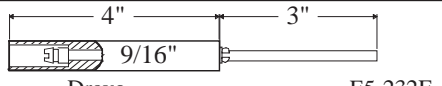
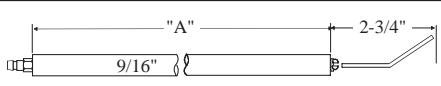
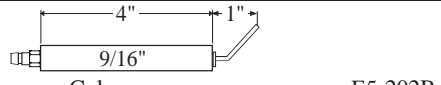
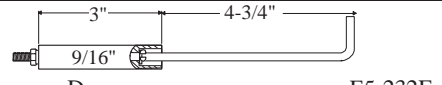
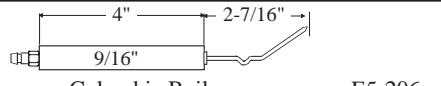
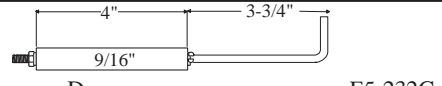
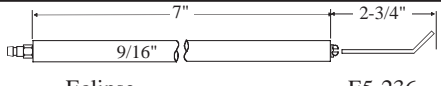
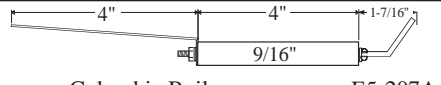
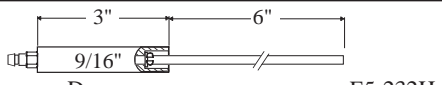
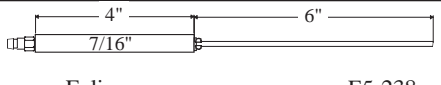
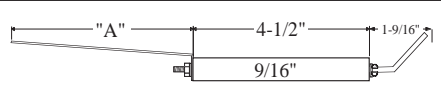
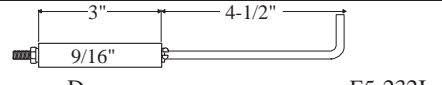
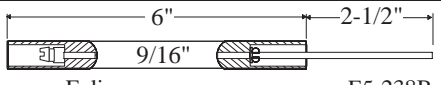
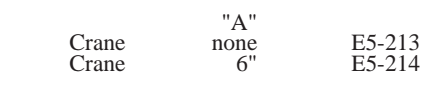
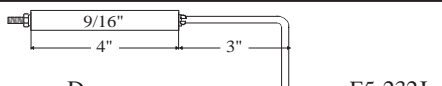

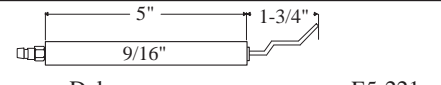
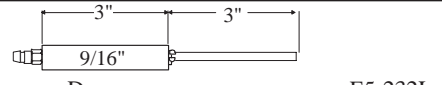
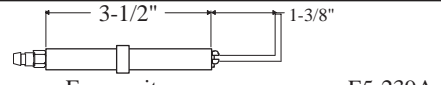
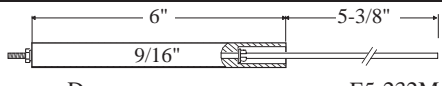
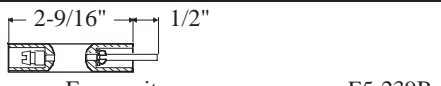
## Westwood electrodes &amp; insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

 Carlin E5-188C	 Carlin E5-188O	 Cleanburn E5-199Z1
 Carlin E5-188D	 Carlin E5-188P	 Cleaver Brooks E5-201
 Carlin E5-188E	 Carlin E5-188Q	 Cleaver Brooks E5-203
 Carlin E5-188F	 Carlin E5-188R2	 Cleaver Brooks E5-204A
 Carlin E5-188G	 Carlin E5-188R3	 Cleaver Brooks E5-205
 Carlin E5-188H	 Carlin E5-188R4	 Cleaver Brooks E5-205A
 Carlin E5-188I	 Century E5-189	 Cleaver Brooks E5-205A5
 Carlin E5-188J	 Century E5-191	 Cleaver Brooks E5-205A1
 Carlin E5-188K	 Century E5-191A	 Cleaver Brooks E5-205A2
 Carlin E5-188L	 Century E5-191B	 Cleaver Brooks E5-205B
 Carlin E5-188M	 Chief E5-192	 Cleaver Brooks E5-205D
 Carlin E5-188N	 Chief E5-192B	 Cleaver Brooks E5-205E
 Carlin E5-188N2	 Clayton E5-198	 Cleaver Brooks E5-205E2
 Carlin E5-188N1	 Clayton E5-199	 Cleaver Brooks E5-205F
 Carlin E5-188N3	 Clayton E5-199A	 Cleaver Brooks E5-205G
 Carlin E5-188N5	 Clayton E5-199D	 Cleaver Brooks E5-205H
 Carlin E5-188N6	 Cleanburn E5-199Z	 Cleaver Brooks E5-205I
 Carlin E5-188N8	 Cleanburn E5-199Z	 Cleaver Brooks E5-205J
 Carlin E5-188N9	 Cleanburn E5-199Z	 Cleaver Brooks E5-205K
 Carlin E5-188N4	 Cleanburn E5-199Z	 Cleaver Brooks E5-205L
 Carlin E5-188N7	 Cleanburn E5-199Z	 Cleaver Brooks E5-205M
 Carlin E5-188N10	 Cleanburn E5-199Z	 Cleaver Brooks E5-205O
 Carlin E5-188N10	 Cleanburn E5-199Z	 Cleaver Brooks E5-205Q

## Westwood electrodes &amp; insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

		
Cleaver Brooks E5-205T	Delco E5-225	Dravo E5-232N
		
Cleaver Brooks E5-205U	Delco E5-227	Dravo E5-233
		
Cleaver Brooks E5-205V	Delco E5-228	Ducane E5-234A Ducane E5-234B Ducane E5-234C Ducane E5-234D
		
Cleaver Brooks E5-205X	Dravo E5-232	
		
Cleaver Brooks E5-205Y	Dravo E5-232A	Ducane E5-234E Ducane E5-234F Ducane E5-234G Ducane E5-234H Ducane E5-234I Ducane E5-234J
		
Cleaver Brooks E5-205Z	Dravo E5-232B	
		
Cleaver Brooks E5-205Z2	Dravo E5-232C	Ducane OilMaster™ E5-234L Ducane OilMaster™ E5-234M
		
Cleaver Brooks E5-205Z3	Dravo E5-232D	
		
Coleman E5-202A	Dravo E5-232E	Eclipse E5-235 Eclipse E5-235A Eclipse E5-235B
		
Coleman E5-202B	Dravo E5-232F	
		
Columbia Boiler E5-206	Dravo E5-232G	Eclipse E5-236
		
Columbia Boiler E5-207A	Dravo E5-232H	Eclipse E5-238
		
Crane E5-213 Crane E5-214	Dravo E5-232I	Eclipse E5-238B
		
Delco E5-221	Dravo E5-232J	Economite E5-239
		
Delco E5-224	Dravo E5-232L	Economite E5-239A
		
	Dravo E5-232M	Economite E5-239B

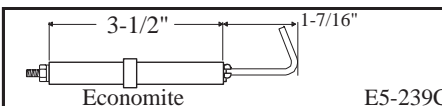
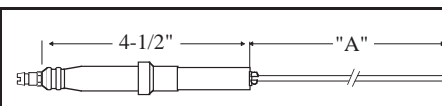
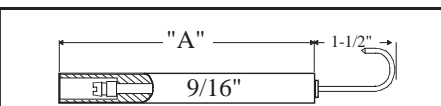
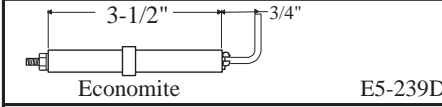
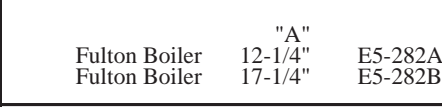
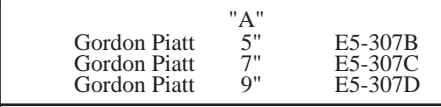
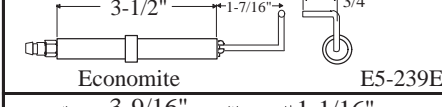
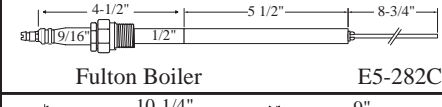
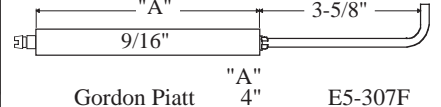
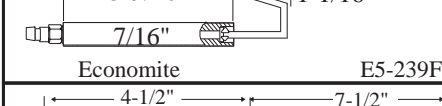
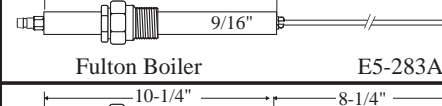
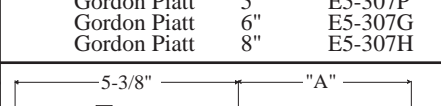
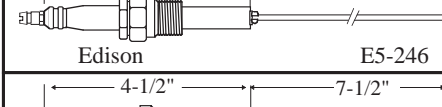
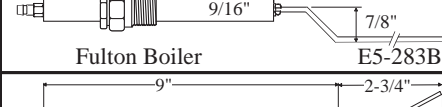
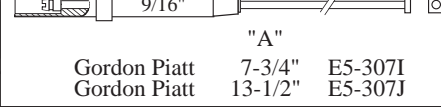
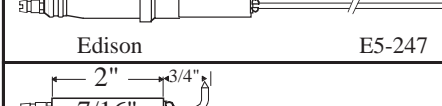
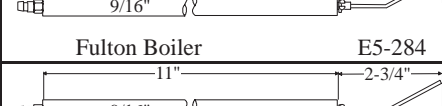
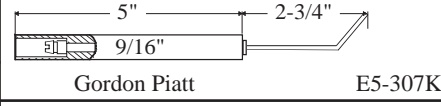
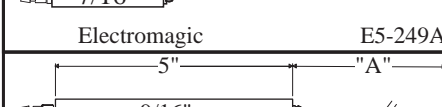
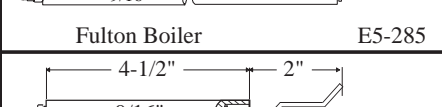
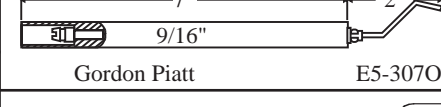
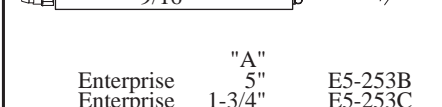
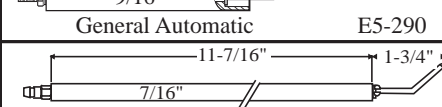
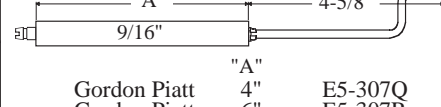
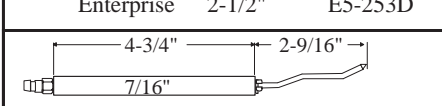
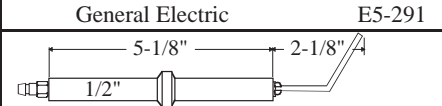
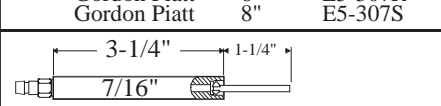
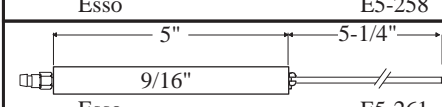
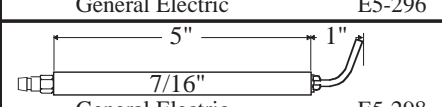
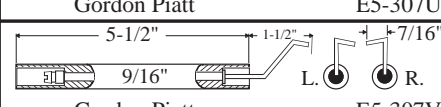
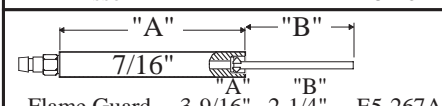
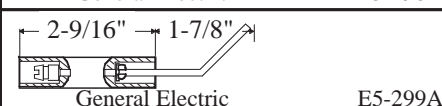
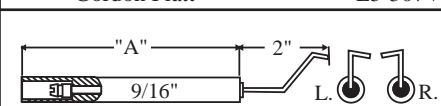
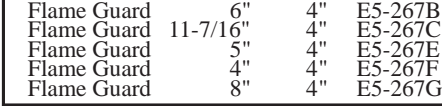
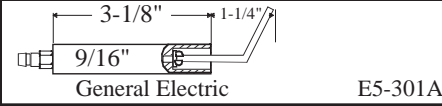
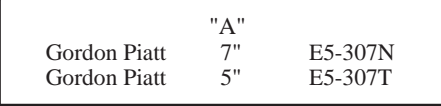
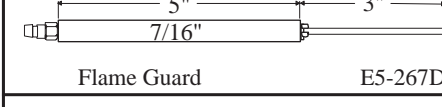
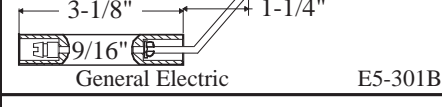
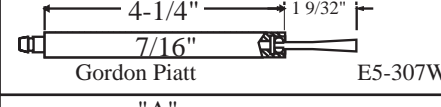
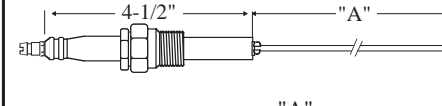
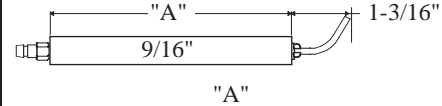
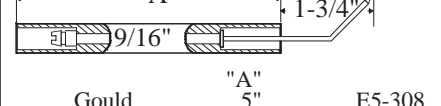
E5

rev. 3-07-17

Please order by  No.

## Westwood electrodes &amp; insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

 <p>Economite E5-239C</p>	 <p>Fulton Boiler 12-1/4" E5-282A Fulton Boiler 17-1/4" E5-282B</p>	 <p>Gordon Piatt 5" E5-307B Gordon Piatt 7" E5-307C Gordon Piatt 9" E5-307D</p>
 <p>Economite E5-239D</p>	 <p>Fulton Boiler E5-282C</p>	 <p>Gordon Piatt 4" E5-307F Gordon Piatt 5" E5-307P Gordon Piatt 6" E5-307G Gordon Piatt 8" E5-307H</p>
 <p>Economite E5-239E</p>	 <p>Fulton Boiler E5-283A</p>	 <p>Gordon Piatt 7-3/4" E5-307I Gordon Piatt 13-1/2" E5-307J</p>
 <p>Economite E5-239F</p>	 <p>Fulton Boiler E5-283B</p>	 <p>Gordon Piatt E5-307K</p>
 <p>Edison E5-246</p>	 <p>Fulton Boiler E5-284</p>	 <p>Gordon Piatt E5-307O</p>
 <p>Edison E5-247</p>	 <p>Fulton Boiler E5-285</p>	 <p>Gordon Piatt 4" E5-307Q Gordon Piatt 6" E5-307R Gordon Piatt 8" E5-307S</p>
 <p>Electromagic E5-249A</p>	 <p>General Automatic E5-290</p>	 <p>Gordon Piatt E5-307U</p>
 <p>Enterprise 5" E5-253B Enterprise 1-3/4" E5-253C Enterprise 2-1/2" E5-253D</p>	 <p>General Electric E5-291</p>	 <p>Gordon Piatt E5-307V</p>
 <p>Esso E5-258</p>	 <p>General Electric E5-296</p>	 <p>Gordon Piatt E5-307N Gordon Piatt 5" E5-307T</p>
 <p>Esso E5-261</p>	 <p>General Electric E5-298</p>	 <p>Gordon Piatt E5-307W</p>
 <p>Flame Guard 3-9/16" 2-1/4" E5-267A Flame Guard 6" 4" E5-267B Flame Guard 11-7/16" 4" E5-267C Flame Guard 5" 4" E5-267E Flame Guard 4" 4" E5-267F Flame Guard 8" 4" E5-267G</p>	 <p>General Electric E5-299A</p>	 <p>Gordon Piatt E5-307W</p>
 <p>Flame Guard E5-267D</p>	 <p>General Electric E5-301A</p>	 <p>Gould 5" E5-308 Gould 6" E5-309 Gould 7" E5-310 Gould 8" E5-311</p>
 <p>Fulton Boiler 12-1/4" E5-282 Fulton Boiler 17-1/4" E5-283</p>	 <p>General Electric E5-301B</p>	 <p>Gould 5" E5-308 Gould 6" E5-309 Gould 7" E5-310 Gould 8" E5-311</p>
 <p>Fulton Boiler 12-1/4" E5-282 Fulton Boiler 17-1/4" E5-283</p>	 <p>Gold Star 4" E5-306 Gold Star 5" E5-307</p>	 <p>Gould 5" E5-308 Gould 6" E5-309 Gould 7" E5-310 Gould 8" E5-311</p>

## Westwood electrodes &amp; insulators

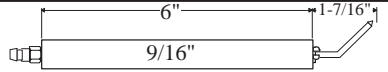
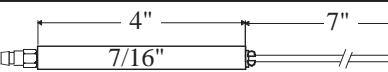
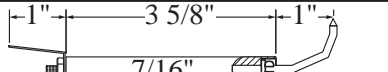
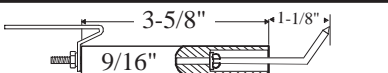
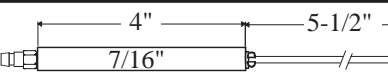

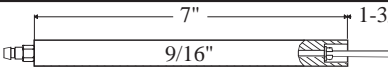
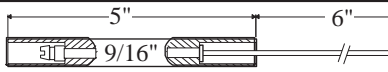
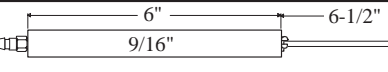
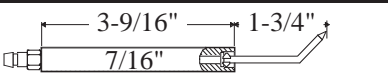
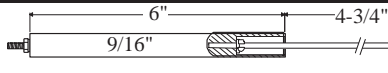

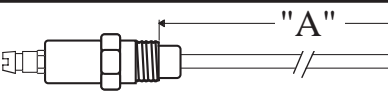
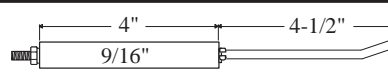
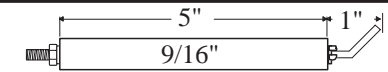
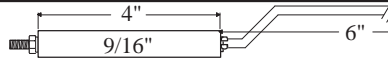
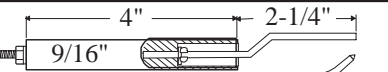
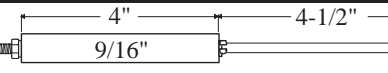
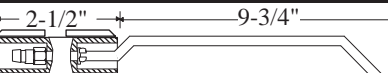
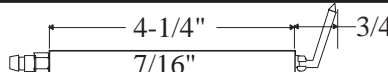
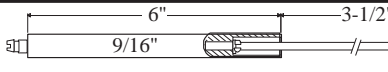
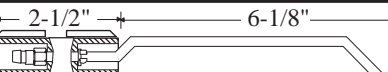
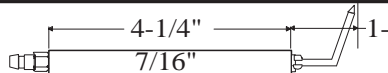
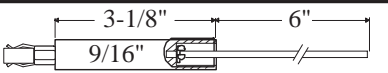
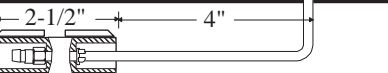
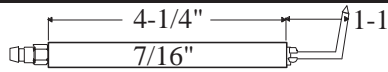
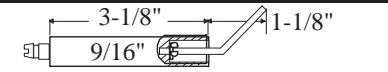
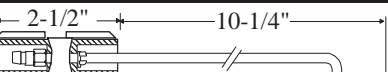
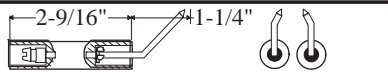

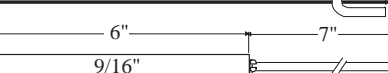
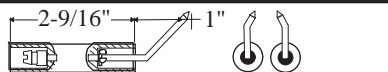
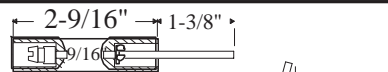
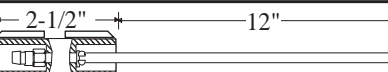
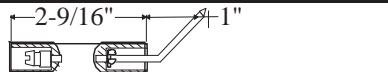

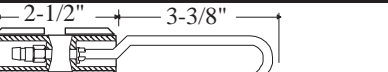
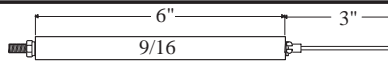
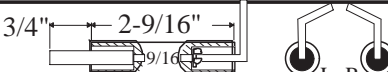
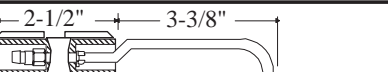

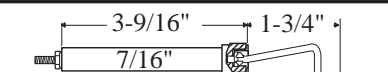
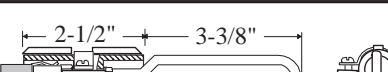
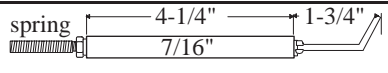
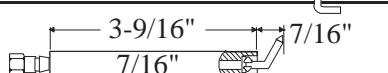

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

<p>Heil Heil "A" 2-1/4" 4" E5-330A E5-330B</p>	<p>International E5-348A</p>	<p>Iron Fireman E5-365D</p>
<p>Heil E5-331B</p>	<p>Iron Fireman E5-357</p>	<p>Iron Fireman E5-366D</p>
<p>Homelite E5-337A</p>	<p>Iron Fireman E5-357C</p>	<p>Johnson Johnson Johnson Johnson "A" 1-1/2" 2" 7-1/2" 6" E5-371 E5-371A E5-372 E5-374</p>
<p>Homestead E5-338</p>	<p>Iron Fireman E5-357D</p>	<p>Johnson E5-373</p>
<p>Homestead E5-340</p>	<p>Iron Fireman E5-357E</p>	<p>Johnson E5-373A</p>
<p>Homestead E5-341</p>	<p>Iron Fireman E5-357F</p>	<p>Johnson E5-375</p>
<p>Homestead E5-341A</p>	<p>Iron Fireman E5-357I</p>	<p>Johnson E5-375A</p>
<p>Industrial Combustion E5-342</p>	<p>Iron Fireman E5-357J</p>	<p>Johnson E5-377</p>
<p>Industrial Combustion E5-343</p>	<p>Iron Fireman E5-357L</p>	<p>Johnson Gas E5-377A</p>
<p>Industrial Combustion E5-343A</p>	<p>Iron Fireman E5-357M</p>	<p>Kewanee E5-378</p>
<p>Industrial Combustion E5-344</p>	<p>Iron Fireman E5-357O</p>	<p>Kewanee E5-378A</p>
<p>Industrial Combustion E5-344A</p>	<p>Iron Fireman E5-357R</p>	<p>Kewanee E5-378B</p>
<p>Industrial Combustion E5-345</p>	<p>Iron Fireman E5-357S</p>	<p>Kewanee E5-378C</p>
<p>Industrial Combustion E5-345A</p>	<p>Iron Fireman E5-357W</p>	<p>Lenan E5-379I</p>
<p>International E5-348</p>	<p>Iron Fireman E5-357Y</p>	<p>La Salle E5-381</p>
<p>Iron Fireman E5-364</p>		



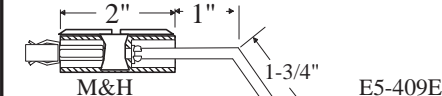
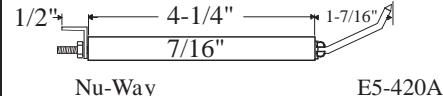
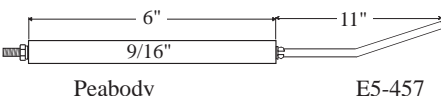
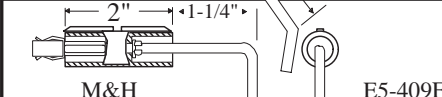
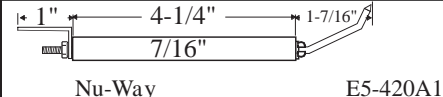
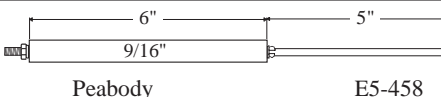
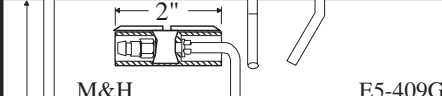
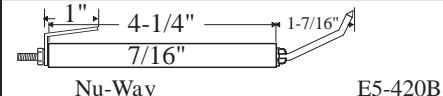
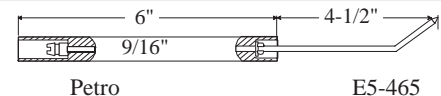
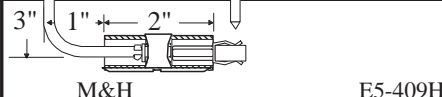
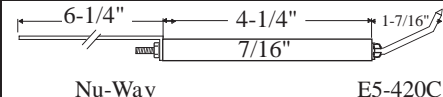
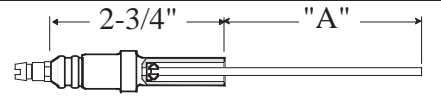
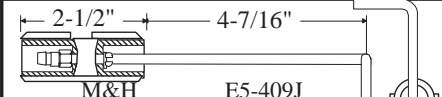
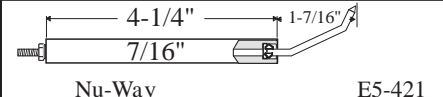
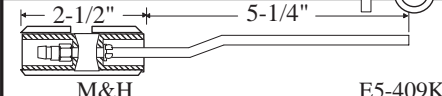
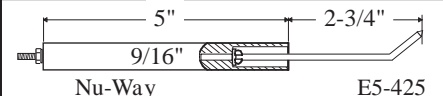
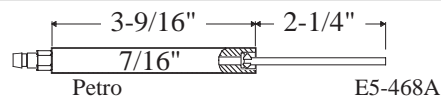
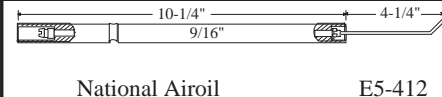
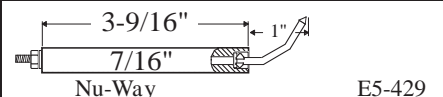
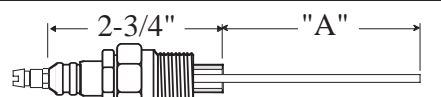

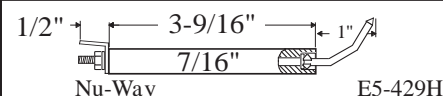
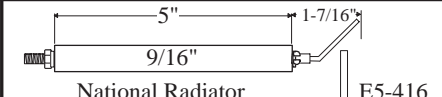
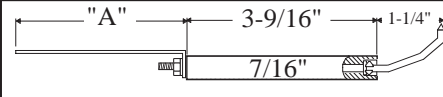
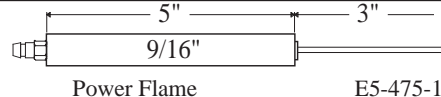
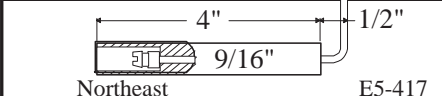
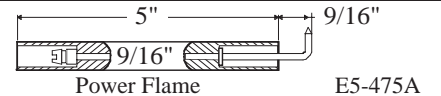
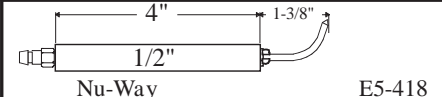
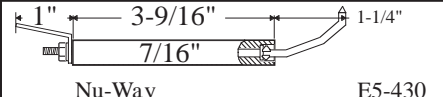
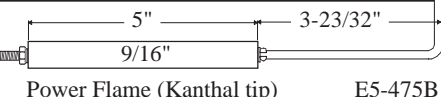
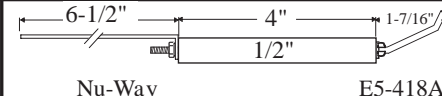
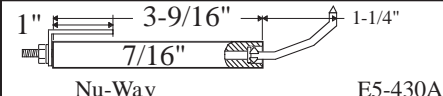
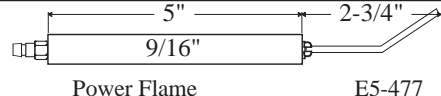
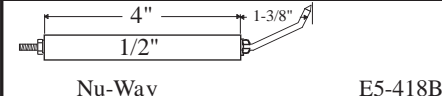
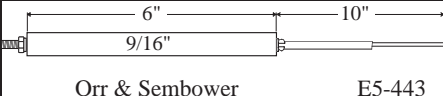
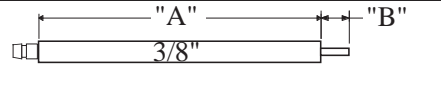
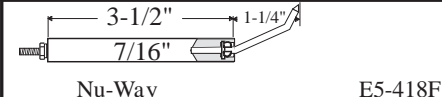
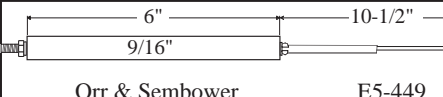
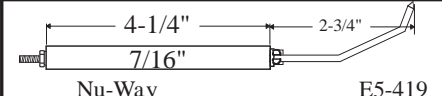
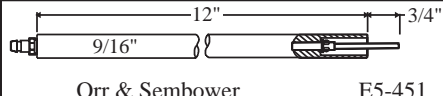

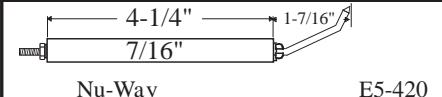
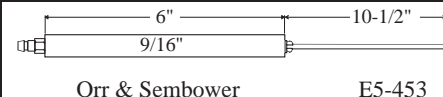
## Westwood electrodes &amp; insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

 Lennox (Bettendorf) E5-383	 Mettler E5-399A	 Miller E5-399F1
 Lennox (Bettendorf) E5-383A	 Mettler E5-399B	 Miller E5-400A
 Lennox (Bettendorf) E5-384	 Mettler E5-399C	 MSO Combustion E5-390
 Lennox (Bettendorf) LH/RH E5-384A	 Mid Continental E5-399G	 MSO Combustion E5-391
 Lennox "A" E5-384C Lennox 2" E5-384D Lennox 4" E5-384E Lennox 6" E5-384E	 Mid Continental E5-399H	 Morrison E5-404
	 Mid Continental E5-399I	 Mt Hawley RH/LH E5-406A
	 Mid Continental E5-399J	 M&H E5-407
 Lisk Savory E5-384F	 Mid Continental E5-399K	 M&H E5-407A
 Lynn E5-387	 Mid Continent E5-399M	 M&H E5-408
 Lynn E5-388	 Mid Continent E5-399N	 M&H E5-409
 Lynn E5-388A	 Mid Continent E5-399O	 M&H E5-409A
 Master Vibrator E5-392A	 Mid Continent E5-399P	 M&H E5-409B
 Master Vibrator E5-392B	 Mid Continent E5-399Q	 M&H E5-409C
 Master Vibrator E5-393	 Mid Continent E5-399R	 M&H E5-409D
 Messer E5-393A	 Mid Continental (MIDCO) E5-399S	 M&H (with Bracket) E5-409C-2
 Mc Naulin E5-393D	 Miller E5-399F	
 Metal Master E5-395		

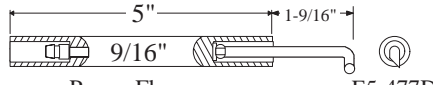
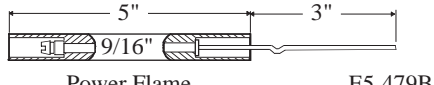
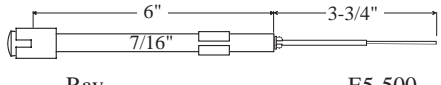
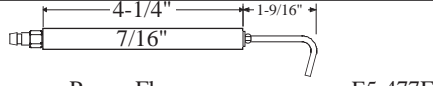
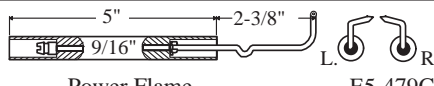
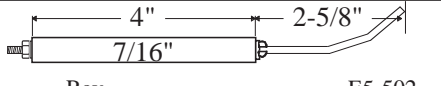
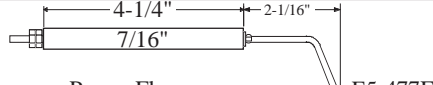
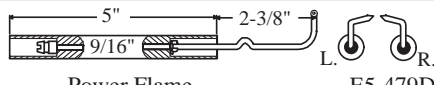
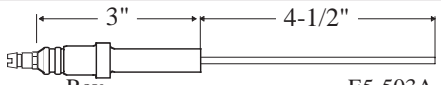
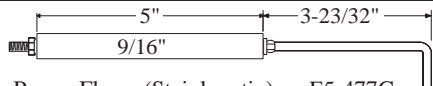
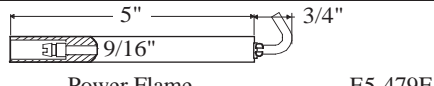
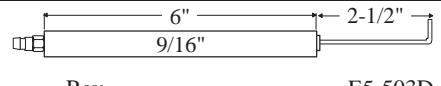
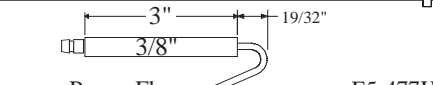
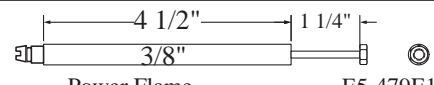
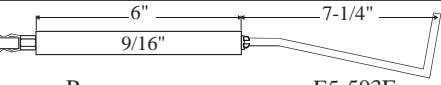
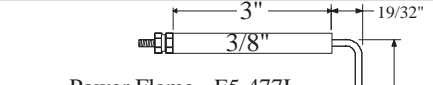

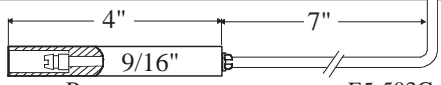
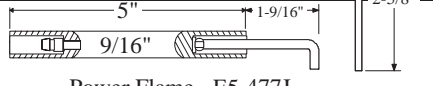
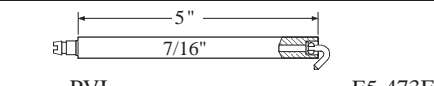
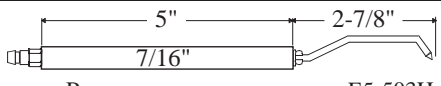
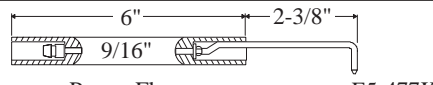
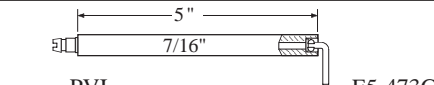
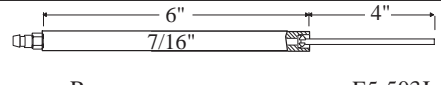
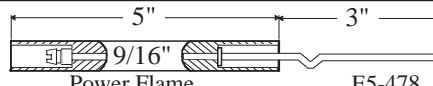
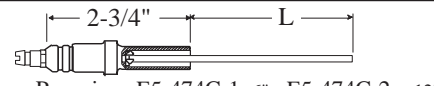
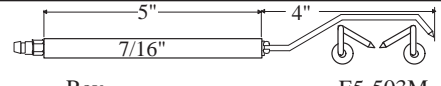
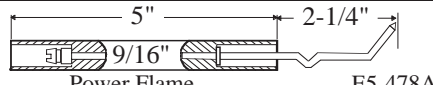
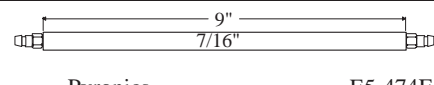
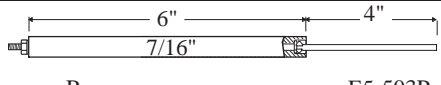
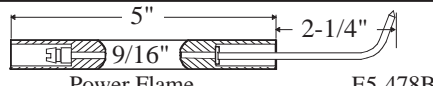
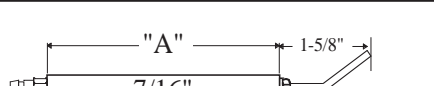
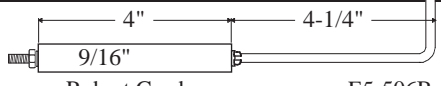
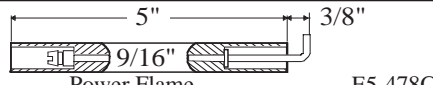
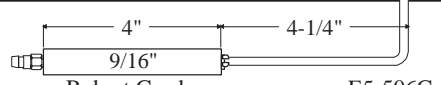
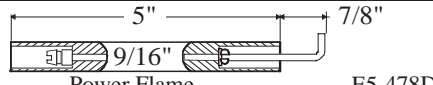
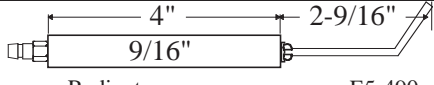
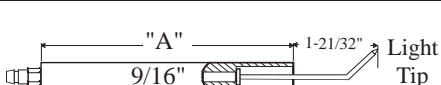
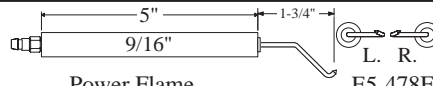
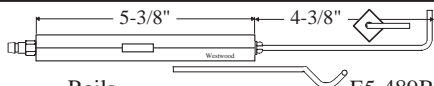
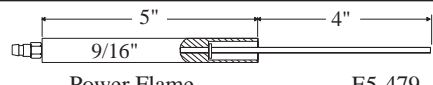

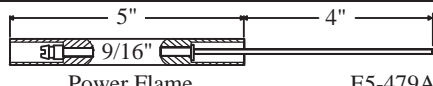
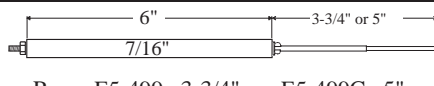
## Westwood electrodes &amp; insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

 M&H E5-409E	 Nu-Way E5-420A	 Peabody E5-457
 M&H E5-409F	 Nu-Way E5-420A1	 Peabody E5-458
 M&H E5-409G	 Nu-Way E5-420B	 Petro E5-465
 M&H E5-409H	 Nu-Way E5-420C	 Petro E5-467
 M&H E5-409J	 Nu-Way E5-421	Petro 1-1/2" E5-467 Petro 2" E5-467A Petro 18" E5-467B Petro 6" E5-467G
 M&H E5-409K	 Nu-Way E5-425	 Petro E5-468A
 National Airoil E5-412	 Nu-Way E5-429	 Petro E5-468B
 National Airoil E5-415	 Nu-Way E5-429H	Petro 1-1/2" E5-468C Petro 2" E5-468D Petro 18" E5-468D
 National Radiator E5-416	 Nu-Way E5-429A	 Power Flame E5-475-1
 Northeast E5-417	Nu-Way E5-429B 1/2" E5-429D 2" E5-429B 1" E5-429F 2-1/2" E5-429C 1-1/2" E5-429G 3-1/2"	 Power Flame E5-475A
 Nu-Way E5-418	 Nu-Way E5-430	 Power Flame (Kanthal tip) E5-475B
 Nu-Way E5-418A	 Nu-Way E5-430A	 Power Flame E5-477
 Nu-Way E5-418B	 Orr & Sembower E5-443	 Power Flame E5-477A
 Nu-Way E5-418F	 Orr & Sembower E5-449	Power Flame 5.81" E5-477A Power Flame 6.44" E5-477B Power Flame 6.88" E5-477C
 Nu-Way E5-419	 Orr & Sembower E5-451	 Power Flame E5-477A-1
 Nu-Way E5-420	 Orr & Sembower E5-453	Power Flame 5.81" E5-477A-1 Power Flame 6.44" E5-477B-1 Power Flame 6.88" E5-477C-1

## Westwood electrodes &amp; insulators

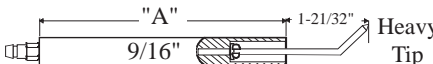
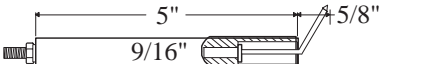
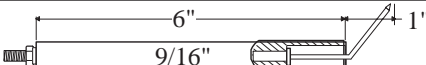

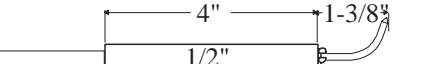
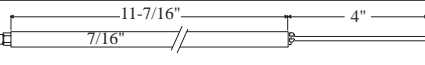
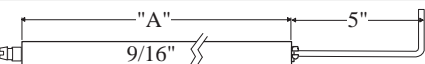
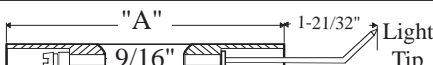
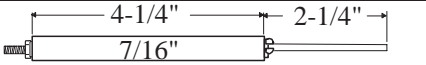


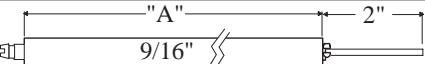
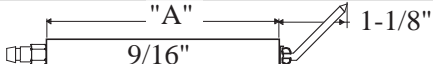
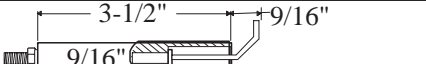
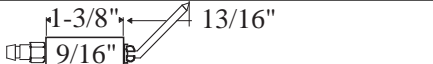
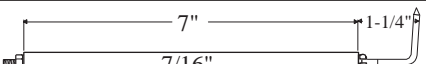
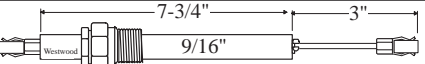
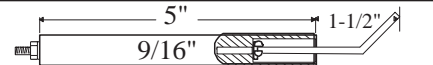
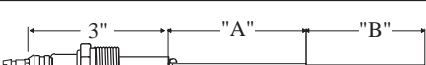

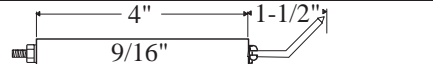
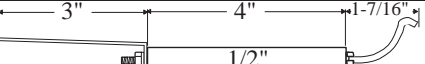

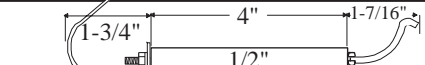
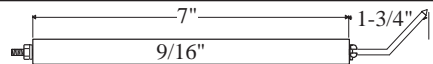
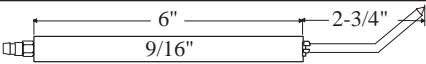

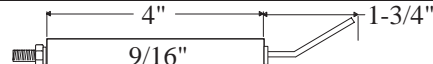
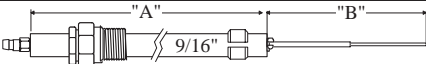
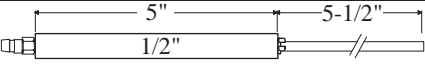
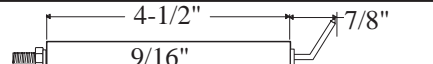
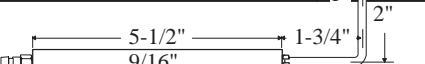
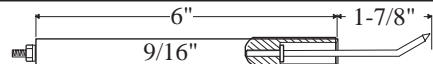

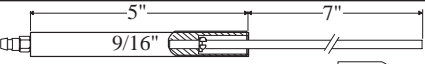

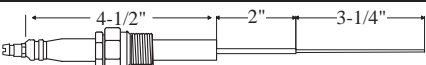
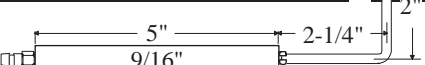
HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

 Power Flame E5-477D	 Power Flame E5-479B	 Ray E5-500									
 Power Flame E5-477E	 Power Flame E5-479C	 Ray E5-502									
 Power Flame E5-477F	 Power Flame E5-479D	 Ray E5-503A									
 Power Flame (Stainless tip) E5-477G	 Power Flame E5-479E	 Ray E5-503D									
 Power Flame E5-477H	 Power Flame E5-479E1	 Ray E5-503E									
 Power Flame E5-477I	 Preferred Utilities E5-471A	 Ray E5-503G									
 Power Flame E5-477J	 PVI E5-473F	 Ray E5-503H									
 Power Flame E5-477K	 PVI E5-473G	 Ray E5-503J									
 Power Flame E5-478	 Pyronics E5-474C-1 6" E5-474C-2 12"	 Ray E5-503M									
 Power Flame E5-478A	 Pyronics E5-474E	 Ray E5-503P									
 Power Flame E5-478B	 Pyronics E5-474E	 Robert Gordon E5-506B									
 Power Flame E5-478C	<table border="0"> <tr> <td>Quiet Heat</td> <td>4-1/4"</td> <td>E5-483</td> </tr> <tr> <td>Quiet Heat</td> <td>5"</td> <td>E5-483-5</td> </tr> <tr> <td>Quiet Heat</td> <td>6"</td> <td>E5-483-6</td> </tr> </table>	Quiet Heat	4-1/4"	E5-483	Quiet Heat	5"	E5-483-5	Quiet Heat	6"	E5-483-6	 Robert Gordon E5-506C
Quiet Heat	4-1/4"	E5-483									
Quiet Heat	5"	E5-483-5									
Quiet Heat	6"	E5-483-6									
 Power Flame E5-478D	 Radiant E5-490	 Light Tip									
 Power Flame E5-478E	 Rails E5-489B										
 Power Flame E5-479	 Rails E5-489C										
 Power Flame E5-479A	 Ray E5-499 3-3/4" E5-499C 5"										

Shellhead	4"	E5-513-4
Shellhead	5"	E5-513-5
Shellhead	6"	E5-513-6
Shellhead	7"	E5-513-7
Shellhead	8"	E5-513-8
Shellhead	9"	E5-513-9
Shellhead	10"	E5-513-10
Shellhead	11"	E5-513-11
Shellhead	12"	E5-513-12
Shellhead	13"	E5-513-13
Shellhead	14"	E5-513-14

## Westwood electrodes &amp; insulators

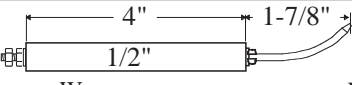
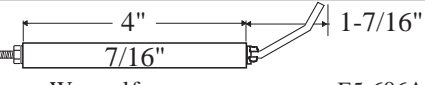
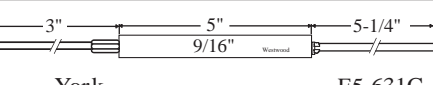
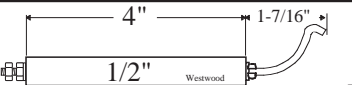
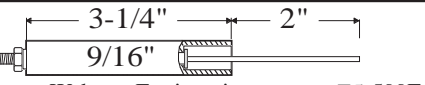
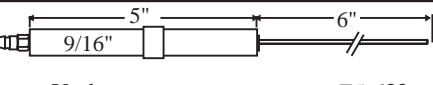
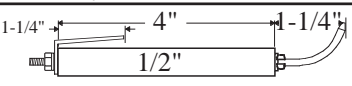
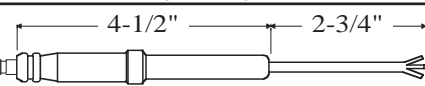
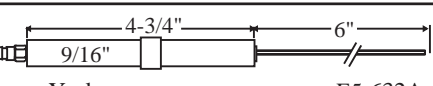
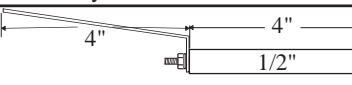
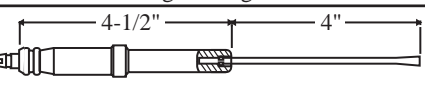
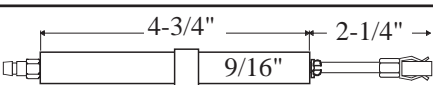
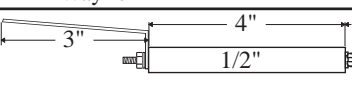
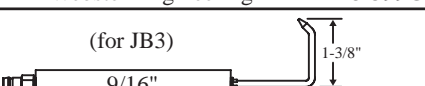
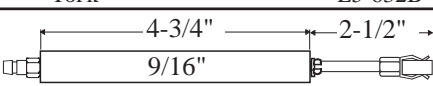
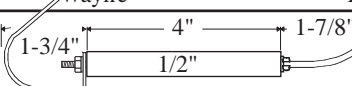
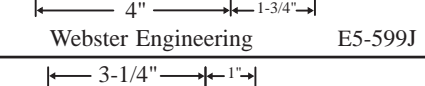
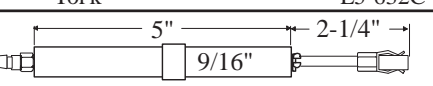
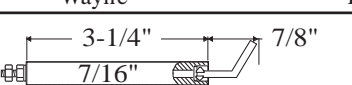
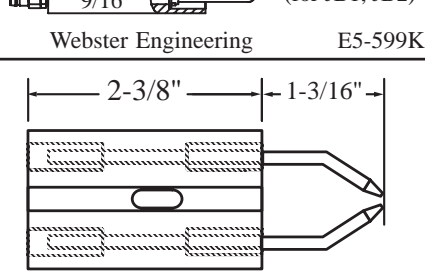
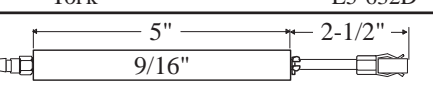
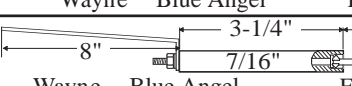
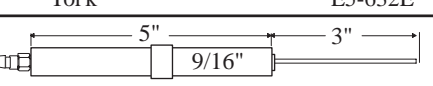
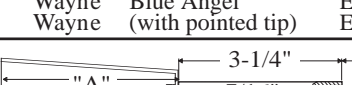
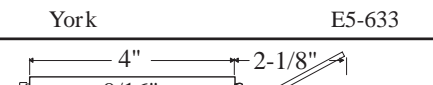
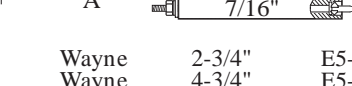
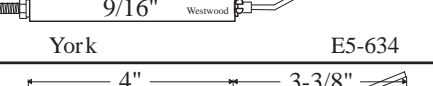
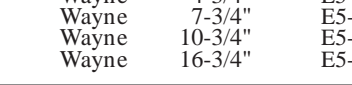
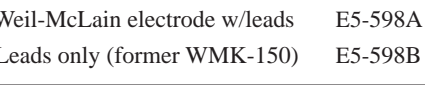
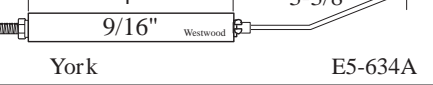
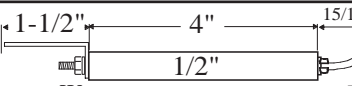
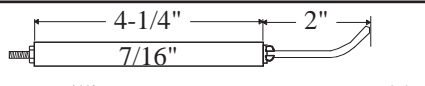
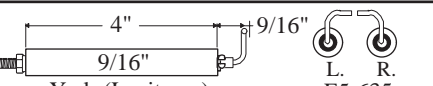
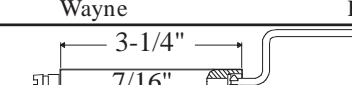
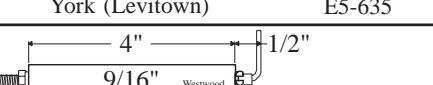
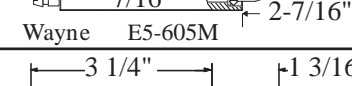
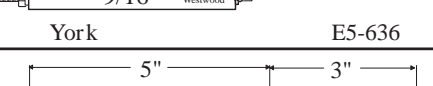
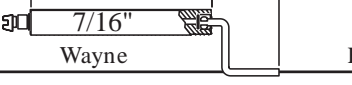
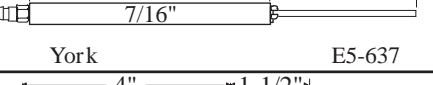
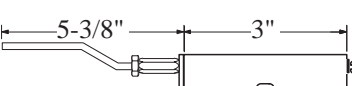
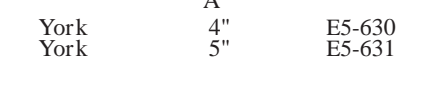
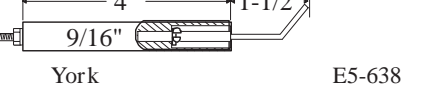
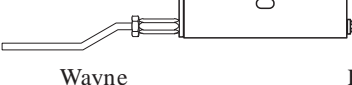
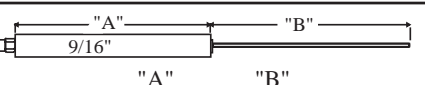
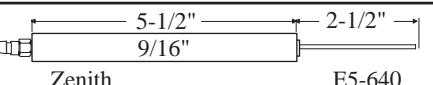
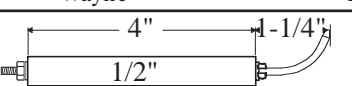
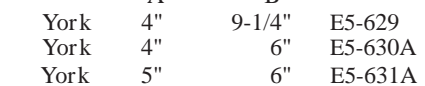
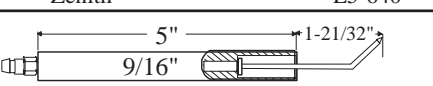

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 <p>Shellhead 4" E5-514-4          Shellhead 5" E5-514-5          Shellhead 6" E5-514-6          Shellhead 7" E5-514-7          Shellhead 8" E5-514-8          Shellhead 9" E5-514-9          Shellhead 10" E5-514-10          Shellhead 11" E5-514-11          Shellhead 12" E5-514-12          Shellhead 13" E5-514-13          Shellhead 14" E5-514-14</p>	 <p>Sun Ray E5-559E</p>  <p>Sun Ray E5-559F</p>  <p>Sun Ray E5-559H</p>	 <p>Thatcher E5-560</p>  <p>Todd E5-577A</p>  <p>Todd 13" E5-579A          Todd 16" E5-579B          Todd 19" E5-579C          Todd 21" E5-579D          Todd 22" E5-579E</p>
 <p>Shellhead 5" E5-515-5          Shellhead 6" E5-515-6          Shellhead 7" E5-515-7          Shellhead 8" E5-515-8</p>	 <p>Sun Ray E5-559J</p>  <p>Sun Ray E5-559K</p>  <p>Sun Ray E5-559L</p>	 <p>Todd 8-3/4" E5-578          Todd 10-1/4" E5-578A          Todd 12" E5-579          Todd 14" E5-580          Todd 17" E5-581          Todd 19" E5-582          Todd 21" E5-582A          Todd 23" E5-582B          Todd 24" E5-582C</p>
 <p>Silent Glow 3" E5-523          Silent Glow 4" E5-524          Silent Glow 5" E5-525          Silent Glow 6" E5-526          Silent Glow 11-3/4" E5-527</p>	 <p>Sun Ray E5-559M</p>	
 <p>Silent Glow E5-523A</p>	 <p>Sun Ray E5-559N</p>	 <p>Tornado Todd E5-588B</p>
 <p>Stewart Warner E5-545</p>	 <p>Superior 3-1/2" 4-1/2" E5-546          Superior 4-1/2" 6" E5-546A          Superior 10-1/4" 5" E5-546B          Superior 3" 3" E5-546C          Superior 3" 2-1/4" E5-546D          Superior 8-1/2" 3" E5-546E          Superior 3-1/2" 8" E5-546F          Superior 12-1/2" 4" E5-546G</p>	 <p>Volcano E5-590</p>
 <p>Sun Ray E5-550</p>		 <p>Wayne E5-601A</p>
 <p>Sun Ray E5-553</p>		 <p>Wayne E5-601B</p>
 <p>Sun Ray E5-557</p>	 <p>Superior E5-547</p>	 <p>Wayne E5-604</p>
 <p>Sun Ray E5-558</p>	 <p>Superior 14-3/4" 5" E5-547A          Superior 18-1/2" 3-3/4" E5-547B          Superior 16-1/2" 3-1/4" E5-547C          Superior 13-1/2" 3" E5-547E</p>	 <p>Wayne E5-604A</p>
 <p>Sun Ray E5-559</p>		 <p>Wayne E5-604B</p>
 <p>Sun Ray E5-559B</p>	 <p>Superior Bulkhead E5-547D</p>	 <p>Wayne E5-604C</p>
 <p>Sun Ray E5-559D</p>	 <p>Superior E5-547F</p>	 <p>Wayne E5-604D</p>



# Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

 Wayne E5-605	 Waywolf E5-606A	 York E5-631C
 Wayne E5-605A	 Webster Engineering E5-599E	 York E5-632
 Wayne E5-605B	 Webster Engineering E5-599F	 York E5-632A
 Wayne E5-605C	 Webster Engineering E5-599G	 York E5-632B
 Wayne E5-605D	 Webster Engineering E5-599J	 York E5-632C
 Wayne E5-605E	 Webster Engineering E5-599K	 York E5-632D
 Wayne E5-605F		 York E5-632E
 Wayne E5-605F1		 York E5-633
 Wayne E5-605F2		 York E5-634
 Wayne E5-605G		 York E5-634A
 Wayne E5-605H	 Williams E5-624	 York (Levittown) E5-635
 Wayne E5-605I	 John Wood E5-623	 York E5-636
 Wayne E5-605J		 York E5-637
 Wayne E5-605K		 York E5-638
 Wayne E5-605L		 Zenith E5-640
 Wayne E5-605M	 York E5-629	 York E5-630A
 Wayne E5-605N	 York E5-631	 York E5-631A
 Wayne E5-605P	 York E5-631B	 Zenith E5-641
 Wayne E5-606		

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rev. 12-14-15

E12

Westwood

**ELECTRODE KITS**

FOR THE SERVICE PROFESSIONAL

**ELECTRODE & INSULATOR KITS****Serviceman's Deluxe Kit****OEM Electrodes - 2 ea.**

ABC: E5-146

Beckett: E5-151E, E5-151O

Carlin: E5-188B, E5-188N, E5-188K

Quiet Heet: E5-483

Wayne: E5-604, E5-605, E5-605B,

E5-605F, E5-606

**Rajah™ Terminals - 10 ea.**

E9-CT, E9-SS, E9-R-2, E9-RAC, E9-SF,

E9-BS 6-32, E9-BS 10-32,

E9-HS 6-32 (5 ea.), E9-HS 10-32 (5 ea.),

6-32 nut, 10-32 nut

**Standard Electrodes - 2 ea.**

E5-1M4, E5-2M4, E5-2M5, E5-2M6,

E5-4M4, E5-3M4, E5-3M5, E5-3M6

**Also includes**

5 feet of GTO-15 ignition cable

1 set (2) T100-230 electrode benders

1 - T100-220 electrode gauge

1 set (2) T100-70 jumpers

1 - NAS gauge™ nozzle gauge

1 - Coupler Popper™ tool

1 - Plastic carrying case



W/P No. E5-2001

**Serviceman's Super Kits**

Same contents as the E5-2001 Deluxe Kit, less the NAS gauge™ and Coupler Popper™ in a plastic carrying case

W/P No. E5-1897

Same contents as the E5-2001 Deluxe Kit, less the NAS gauge™ and Coupler Popper™ in a cardboard box

W/P No. E5-1897-C

**ELECTRODE & INSULATOR ROLL-UP KITS****Contains:****Electrodes - 2 ea.**

E5-3M4 (9/16"x4"), E5-3M5 (9/16"x5"),

E5-3M6 (9/16"x6"), E5-3F5 (9/16"x5"),

E5-483 (Quiet Heet)

**Insulators - 2 ea.**

E5-1M4-1/4 (7/16"x4-1/4"), E5-4M4 (1/2"x4"),

E5-2M4 (9/16"x4"), E5-2M5 (9/16"x5"),

E5-3M4 (9/16"x4")



W/P No. E5-595

**Contains:****Electrodes - 2 ea.**

E5-188N (Carlin), E5-151E (Beckett),

E5-605 (Wayne), E5-2M4 (9/16"x4"),

E5-2M5 (9/16"x5"), E5-2M6 (9/16"x6"),

E5-2F5 (female 5"), E5-2F6 (female 6")

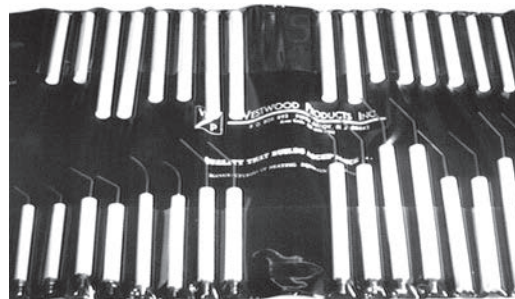
**Insulators - 2 ea.**

E5-1M4-1/4 (7/16"x4-1/4"), E5-3M4 (9/16"x4"),

E5-2M4 (9/16"x4"), E5-2M5 (9/16"x5"),

E5-2M6 (9/16"x6"), E5-2F5 (female 5"),

E5-2F6 (female 6"), E5-4M4 (1/2"x4")



W/P No. E5-920

Westwood

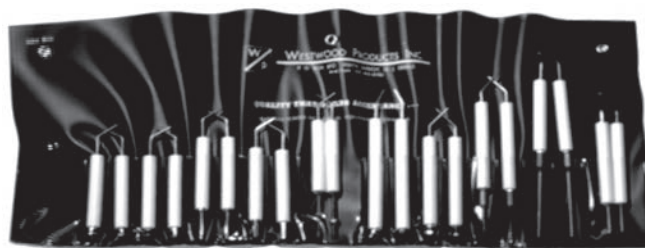

**ELECTRODE KITS**

FOR THE SERVICE PROFESSIONAL

**ELECTRODE & INSULATOR ROLL-UP KITS (Continued)**
**For Servicing  
Beckett Burners**

Contains these electrodes:

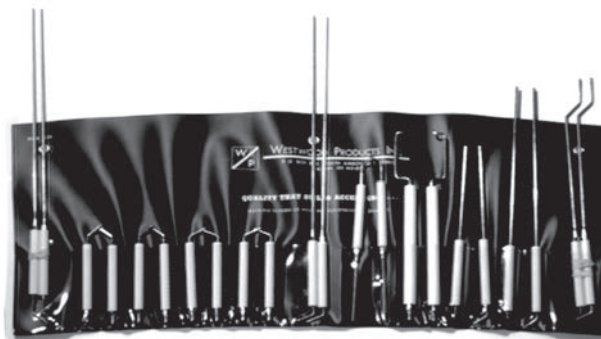

4 · E5-151E	2 · E5-151D
2 · E5-151E1	2 · E5-151R
2 · E5-151O	2 · E5-151G
2 · E5-151F	2 · E5-151J
2 · E5-151	


 No. E5-BK-400

**For Servicing  
Carlin Burners**

Contains these electrodes:


4 · E5-188N	2 · E5-188P
4 · E5-188B	2 · E5-188Q
2 · E5-188K	2 · E5-188R3
2 · E5-188R-2	2 · E5-188N4
2 · E5-188H	


 No. E5-CK-300

**For Servicing  
Wayne Burners**

Contains these electrodes:

4 · E5-605	2 · E5-605E
4 · E5-606	2 · E5-605C
2 · E5-605B	2 · E5-605D
2 · E5-605F	2 · E5-605F1
2 · E5-604	


 No. E5-WK-500

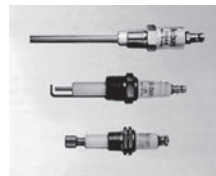

Take a look . . .

PORCELAIN CUTTER No. T100-370 on page T17  
&  
RAJAH TERMINAL KITS on page E28

Westwood

## AUBURN IGNITION PRODUCTS

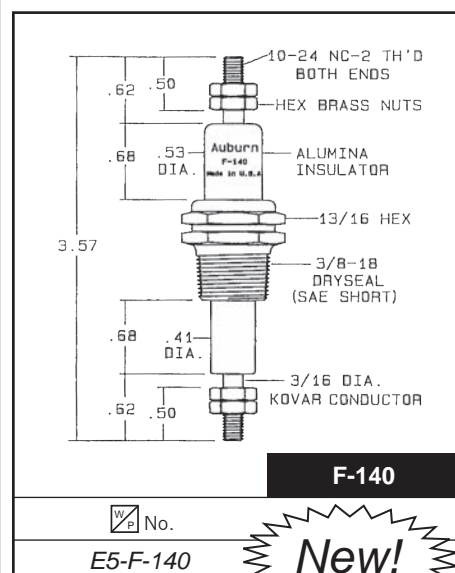
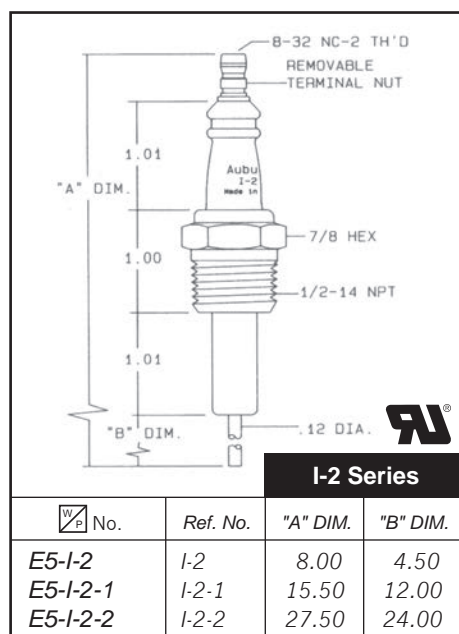
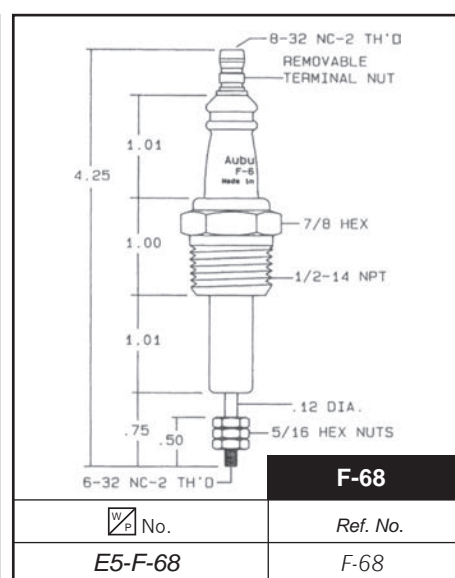
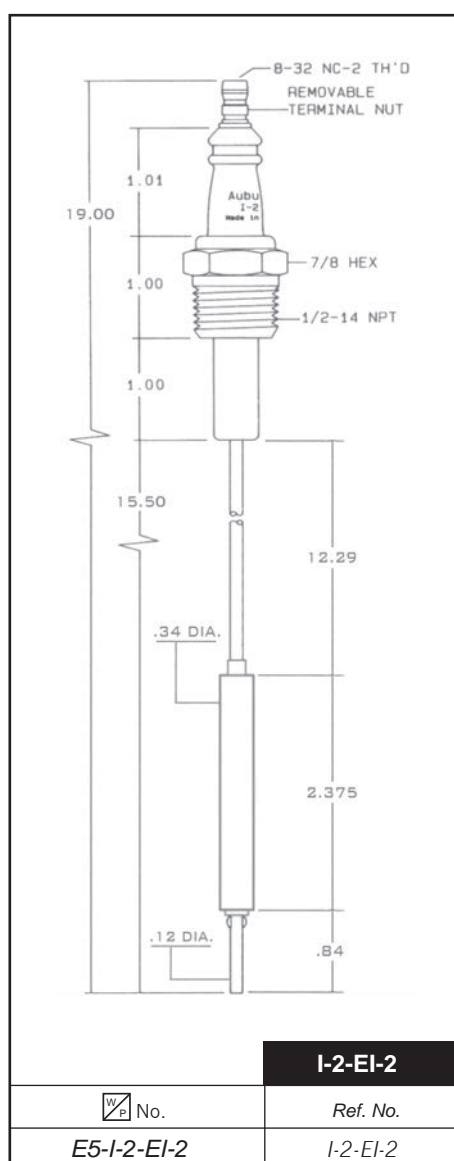
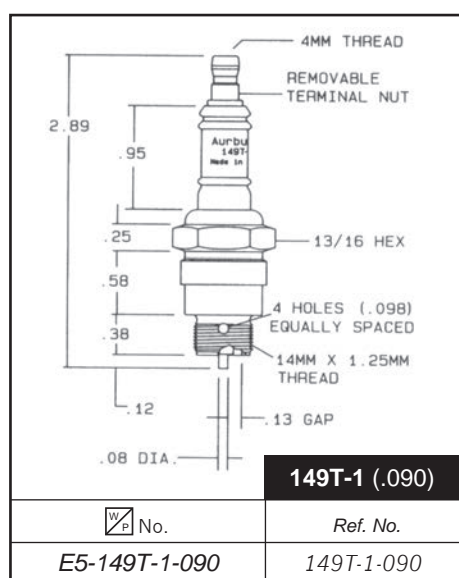
IGNITORS • FLAME RODS • LIQUID LEVEL ELECTRODES



**NOTE:** Auburn ignition products part numbers are now "E5-" followed by the former number.

Example:  $\frac{W}{P}$  No. = E5- I-2

New Number      "E5-" Prefix      Former Part Number



**New!**

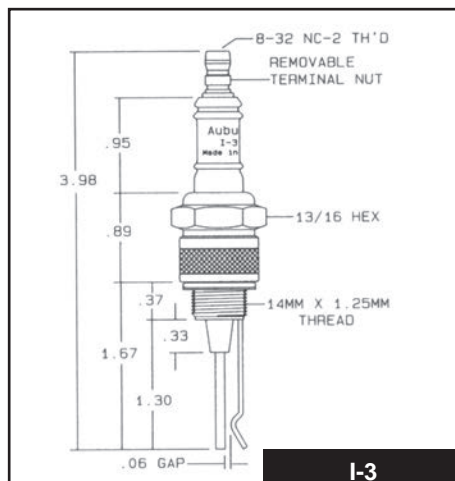
\* Dimensions marked with an asterisk are standard lengths - Other lengths available upon request

E15

rev. 1-1-09

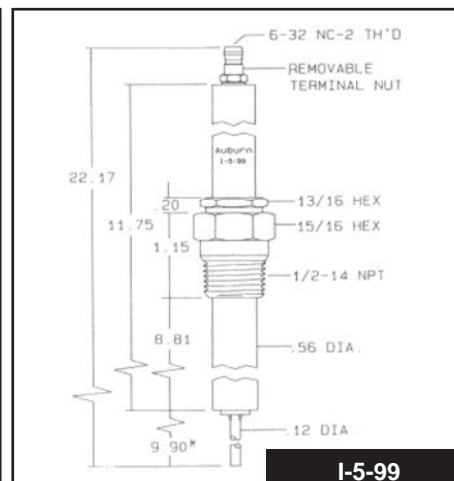
Please order by  $\frac{W}{P}$  No.

## AUBURN ELECTRODES

**I-3**

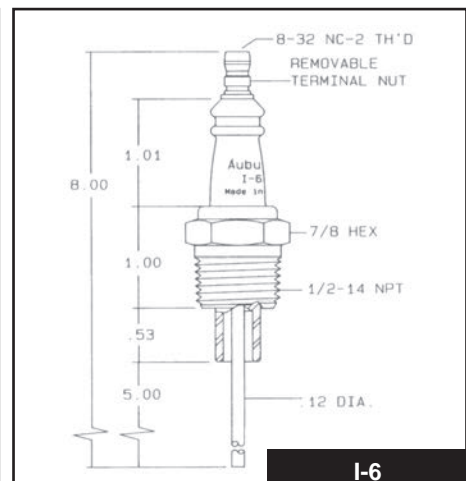
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Ref. No.

**E5-I-3****I-3****I-5-99**

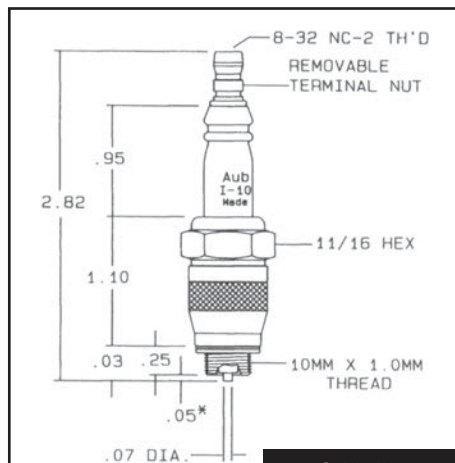
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Ref. No.

**E5-I-5-99****I-5-99****I-6**

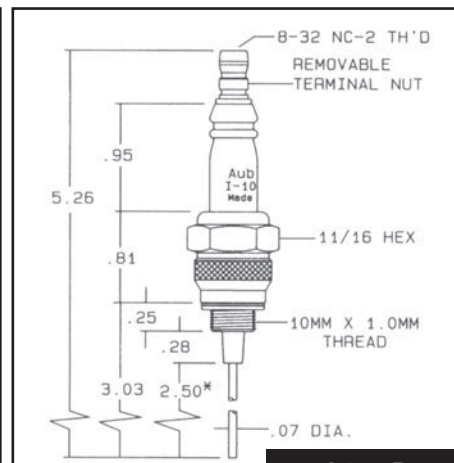
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Ref. No.

**E5-I-6****I-6****I-10-09**

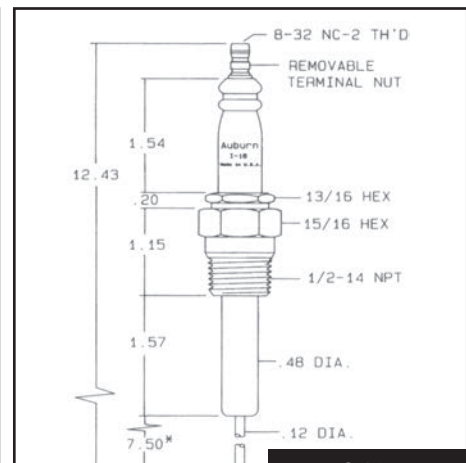
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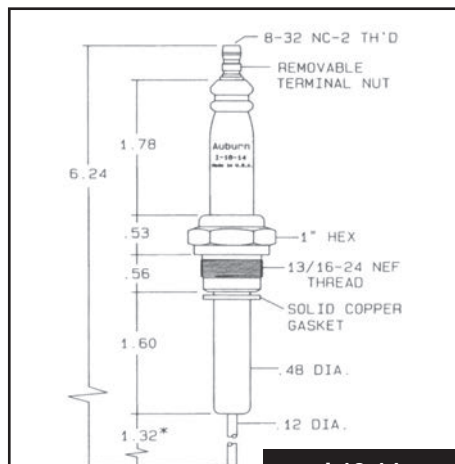
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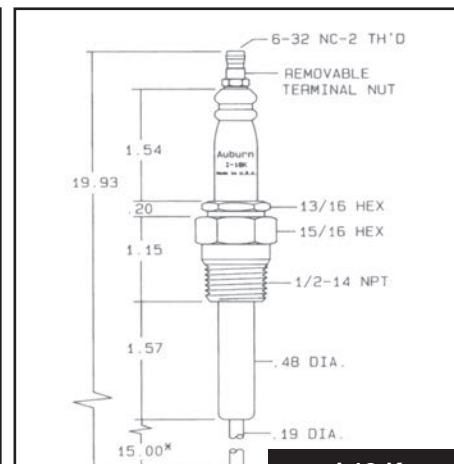
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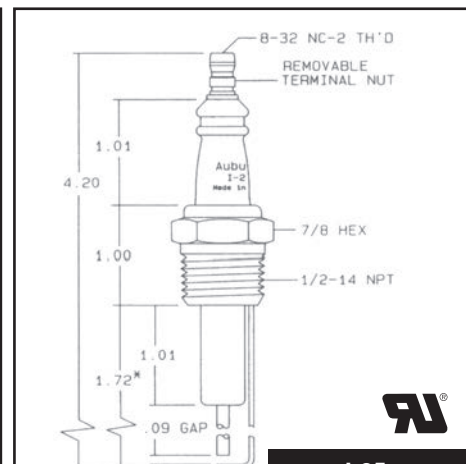
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Ref. No.

**E5-I-18-14****I-18-14****I-18-K**

No.

Ref. No.

**E5-I-18-K****I-18-K****I-25**

No.

Ref. No.

**E5-I-25****I-25**

\* Dimensions marked with an asterisk are standard lengths - Other lengths available upon request

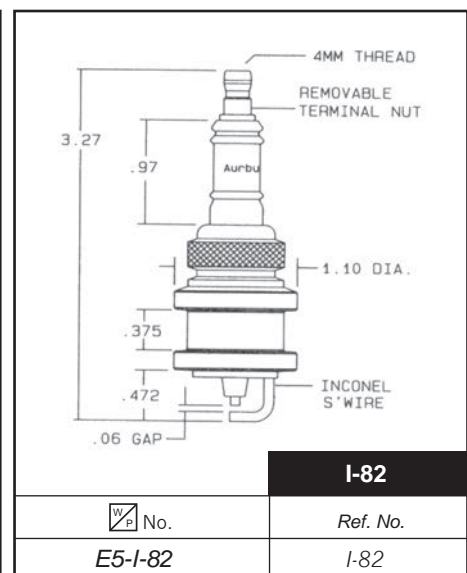
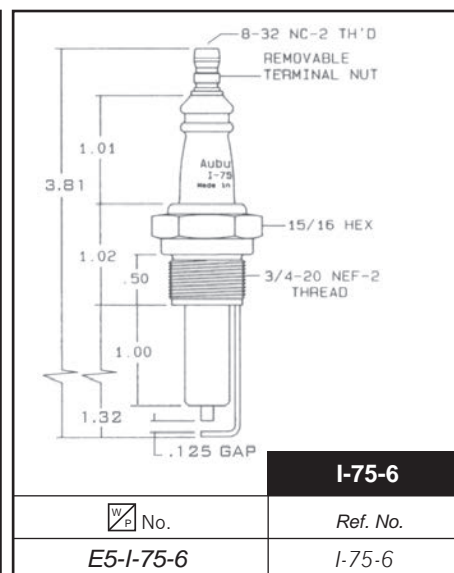
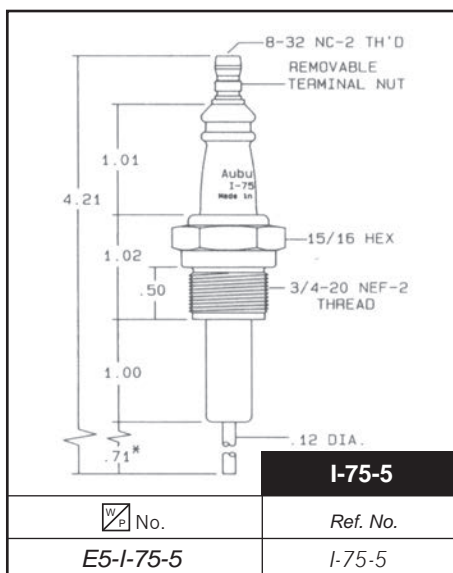
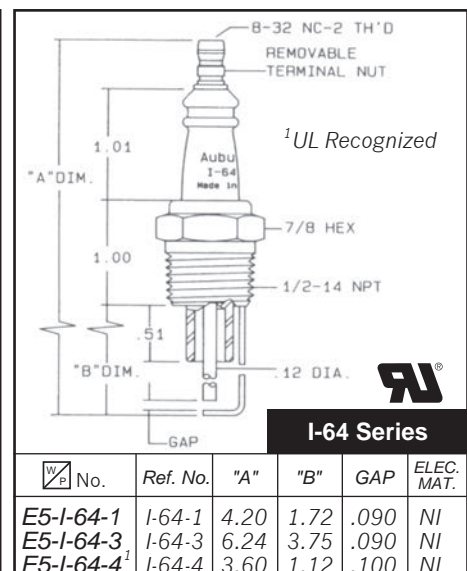
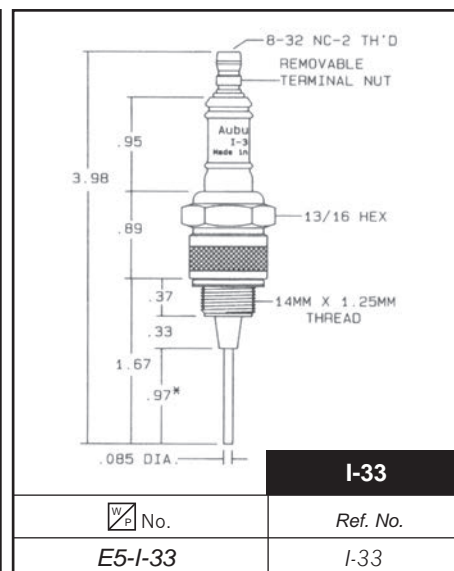
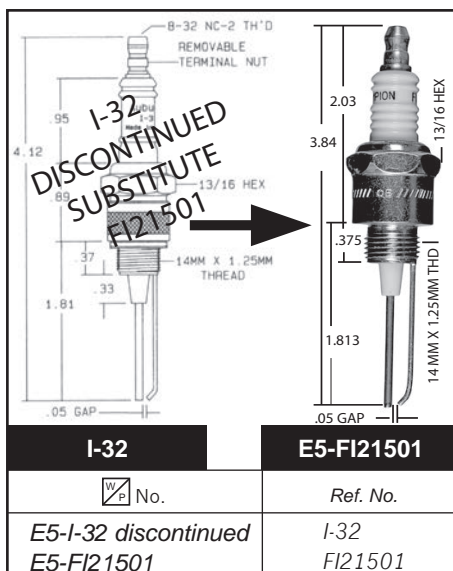
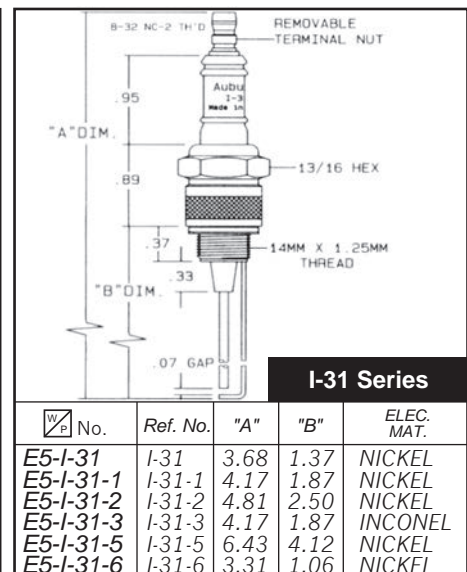
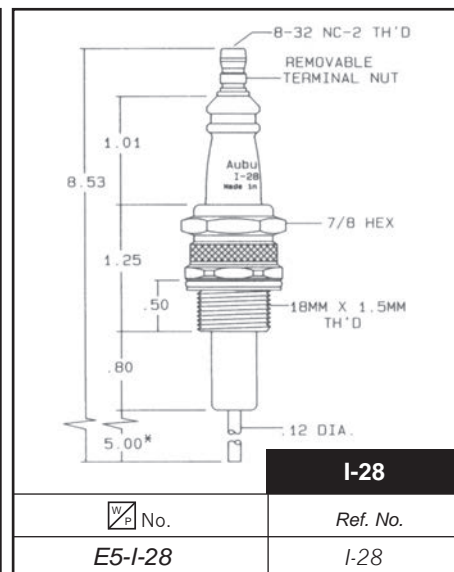
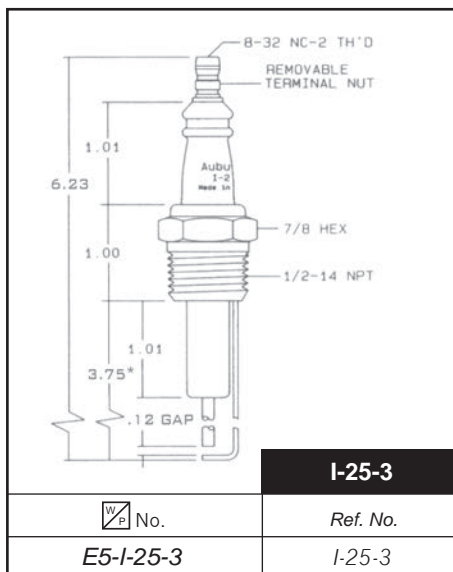
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**E16**

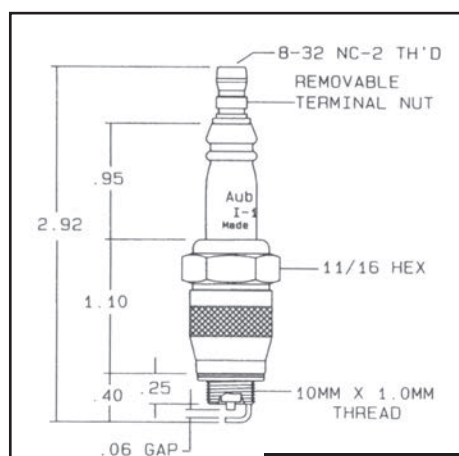


## AUBURN ELECTRODES



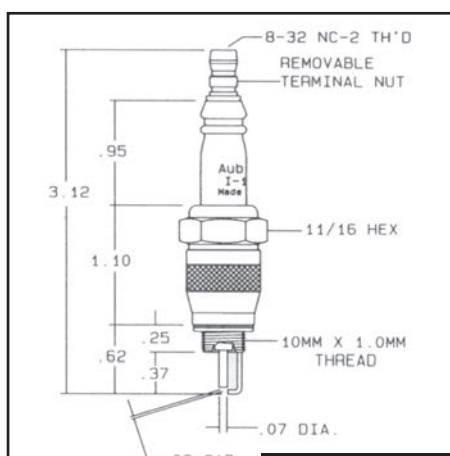
\* Dimensions marked with an asterisk are standard lengths - Other lengths available upon request

## AUBURN ELECTRODES

**I-101**

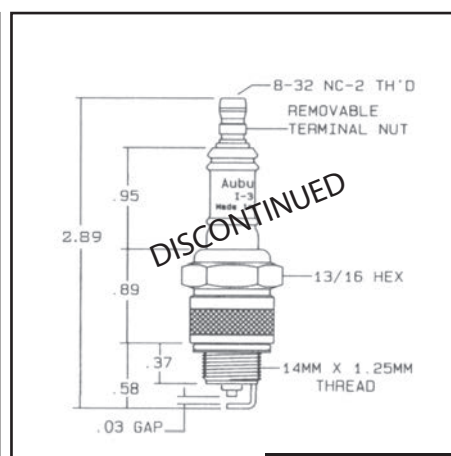
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**E5-I-101**

Ref. No.  
**I-101**

**I-102**

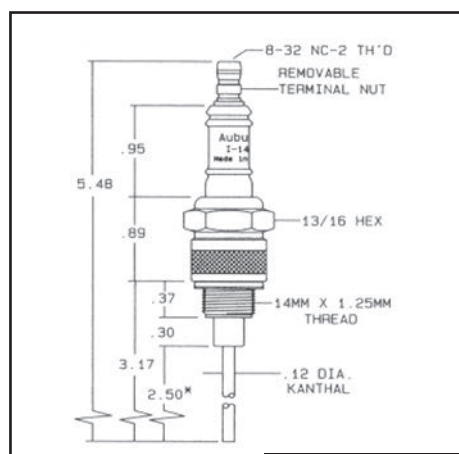
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Ref. No.  
**I-102**

**I-141**

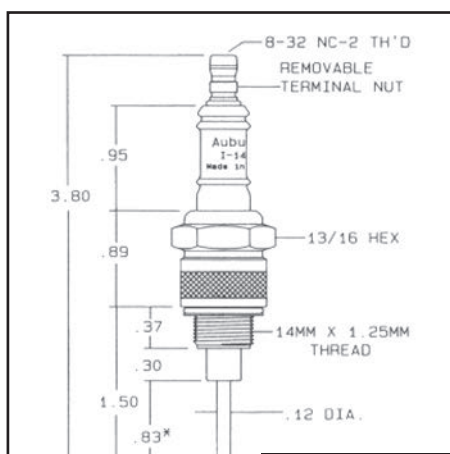
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**I-141**

**I-143**

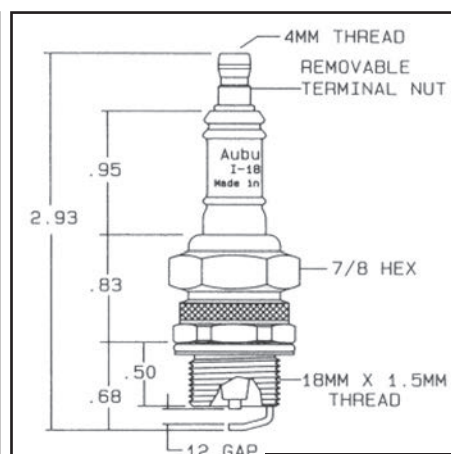
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**I-143**

**I-144**

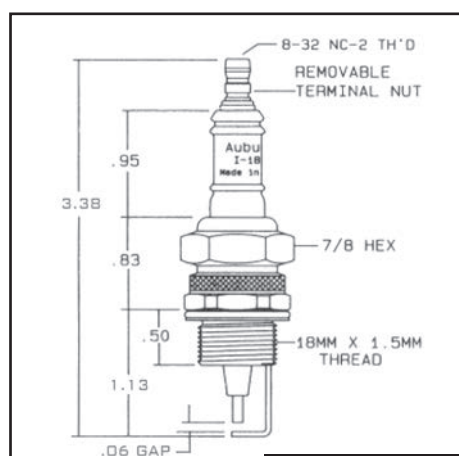
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Ref. No.  
**I-144**

**I-181**

No.  
**E5-I-181**

Ref. No.  
**I-181**

**I-182**

No.  
**E5-I-182**

Ref. No.  
**I-182**

As a major distributor of Auburn Ignition Products, Westwood can special order any Auburn item not shown in this catalog and get it to you fast!

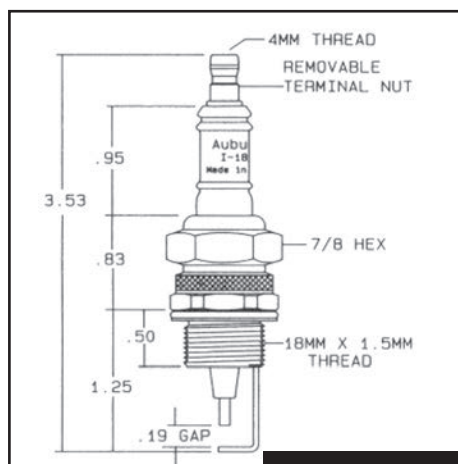
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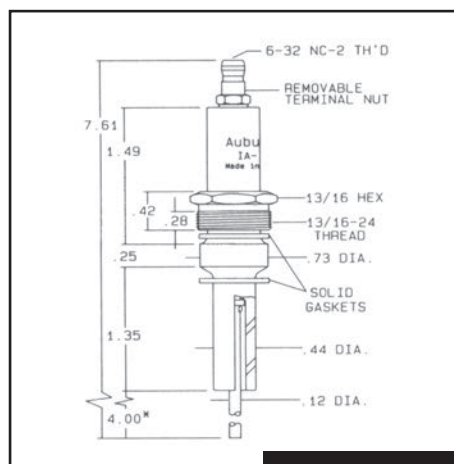
# E18

## AUBURN ELECTRODES

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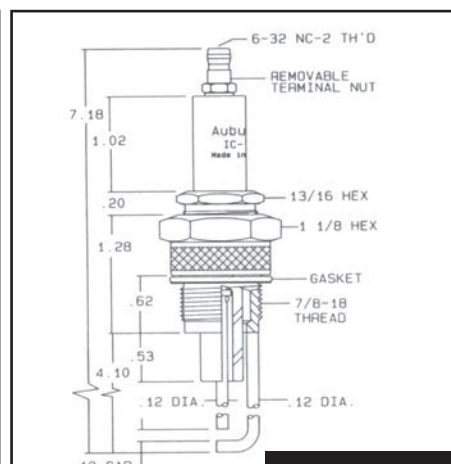
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Ref. No.  
**I-182-1**

**IA-9**

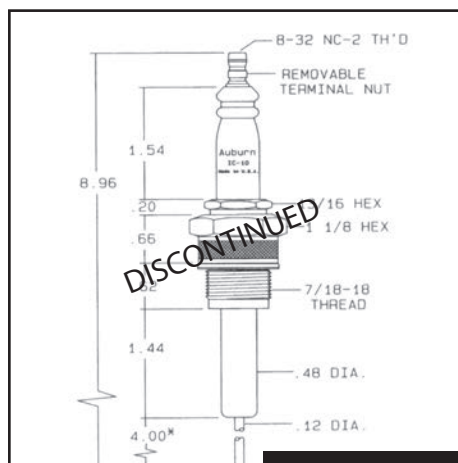
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Ref. No.  
**IA-9**

**IC-9-2**

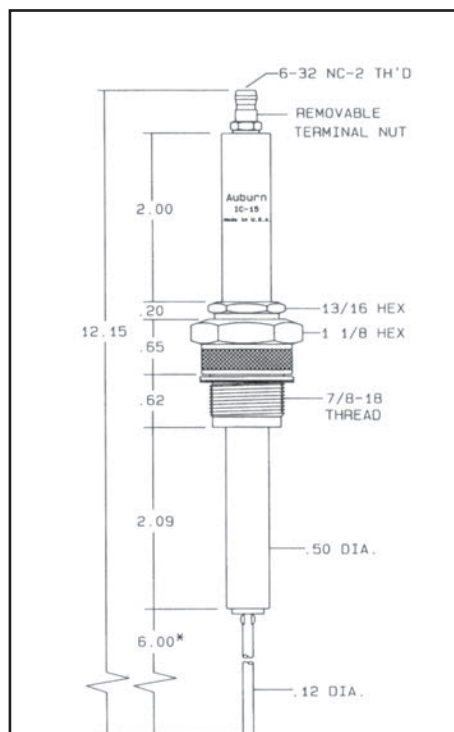
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**IC-10**

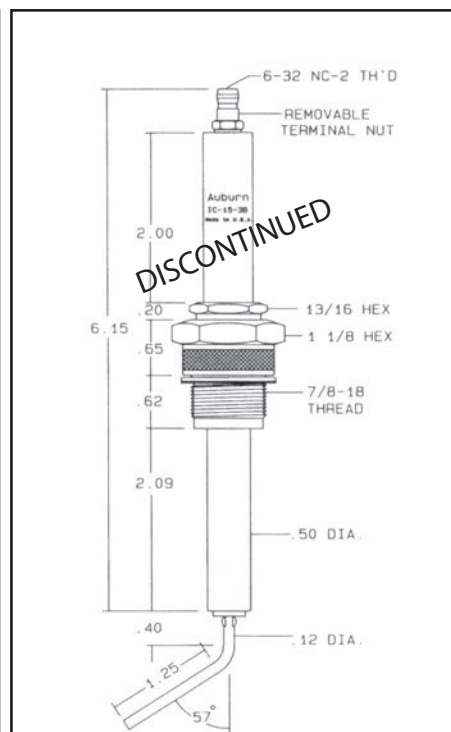
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**E5-IC-10**

Ref. No.  
**IC-10**

**IC-15**

No.  
**E5-IC-15**

Ref. No.  
**IC-15**



CHROMEL "D"  
Center Wire

**IC-15-3B**

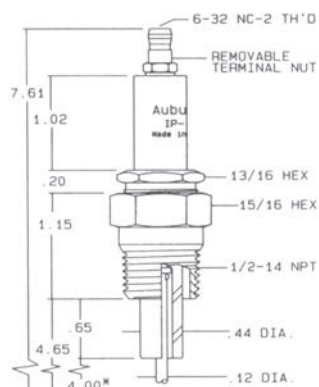
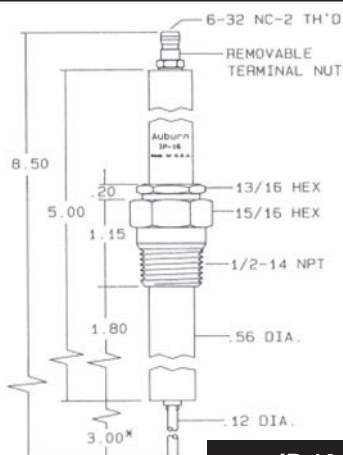
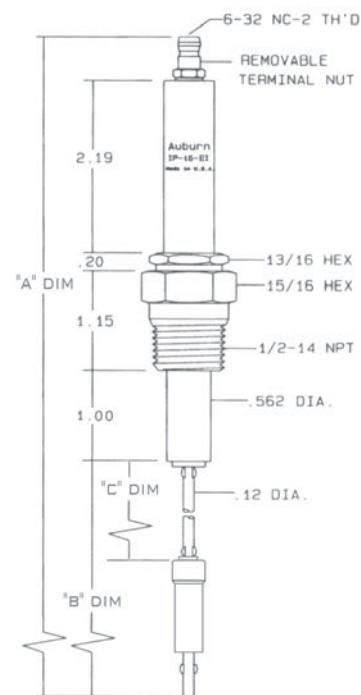
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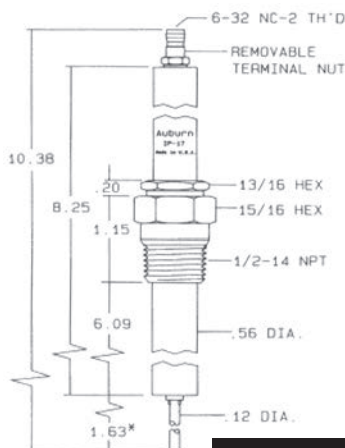
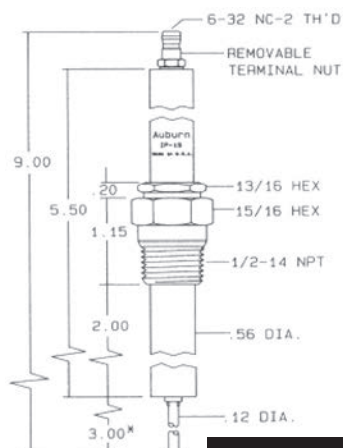
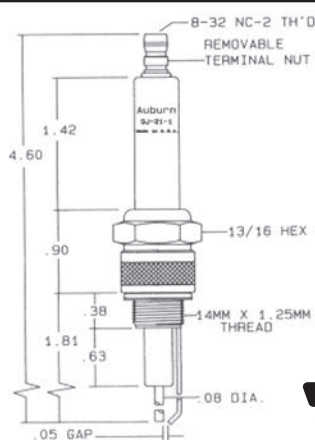
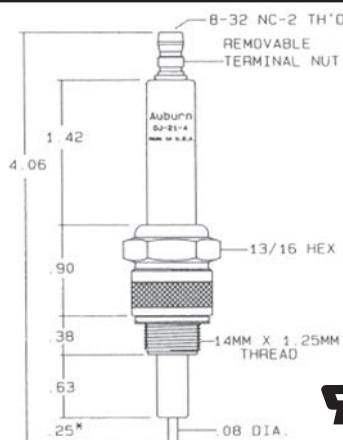
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## AUBURN ELECTRODES

**IP-9**No.  
**E5-IP-9**Ref. No.  
**IP-9****IP-16**No.  
**E5-IP-16**Ref. No.  
**IP-16****IP-16-EI Series**

No.	Ref. No.	"A"	"B"	"C"
<b>E5-IP-16-EI</b>	<b>IP-16-EI</b>	18.75	13.25	11.25

**IP-17**No.  
**E5-IP-17**Ref. No.  
**IP-17****IP-19**No.  
**E5-IP-19**Ref. No.  
**IP-19****OJ-21-1**No.  
**E5-OJ-21-1**Ref. No.  
**OJ-21-1****OJ-21-4**No.  
**E5-OJ-21-4**Ref. No.  
**OJ-21-4**

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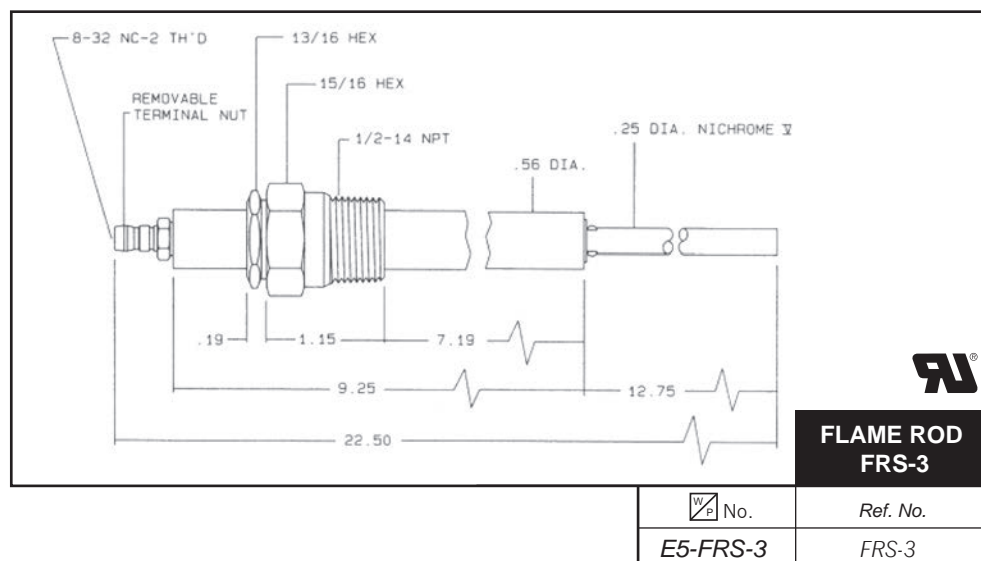
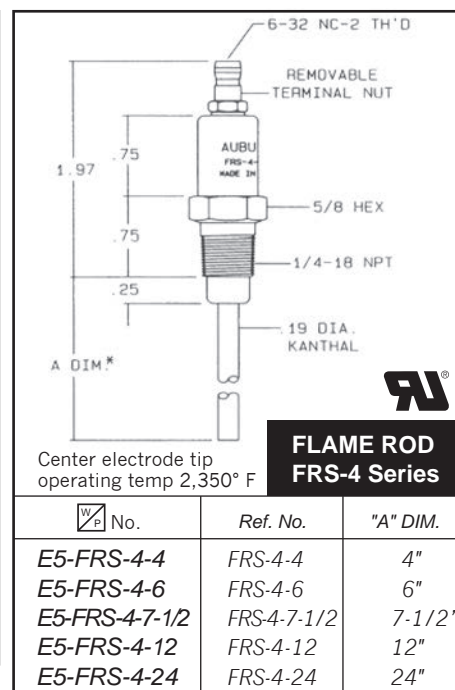
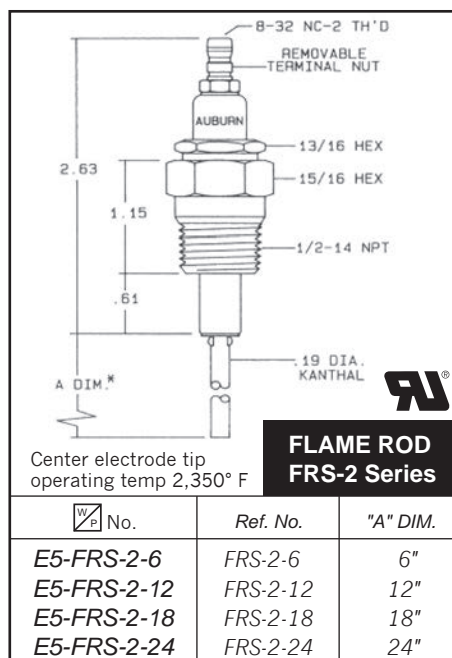
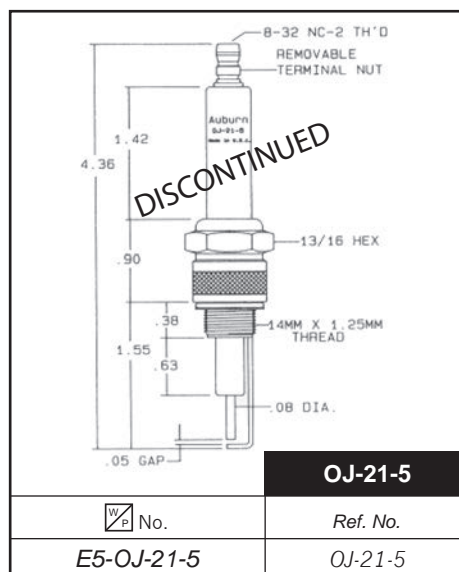
\* Dimensions marked with an asterisk are standard lengths - Other lengths available upon request

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**E20**

## AUBURN ELECTRODES &amp; FLAME RODS



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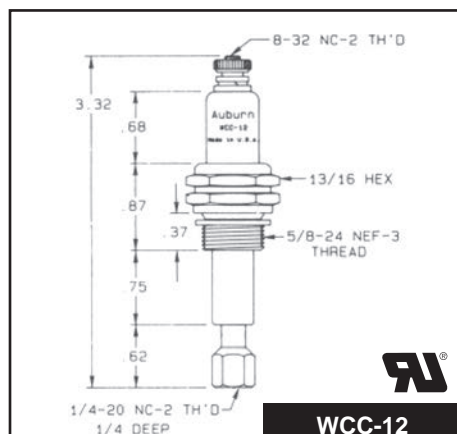
## AUBURN LIQUID LEVEL ELECTRODES

**WCC Series:**

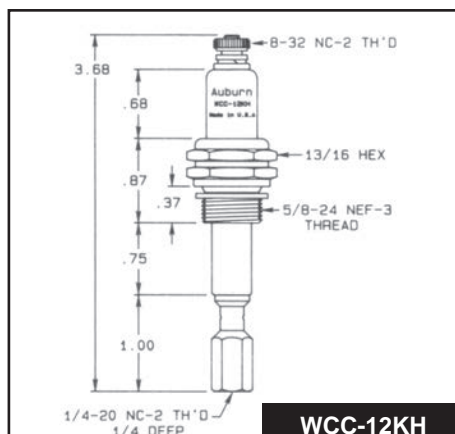
Metal parts are 303 or 304 non-magnetic stainless steel. Incorporates an internal conductive glass seal (not recommended for use above 450 volts). Non-steam applications up to 2,500 PSI at 120° F or 0 PSI at 700° F. Steam applications up to 250 PSI at 406° F

**WCC-KH Series:**

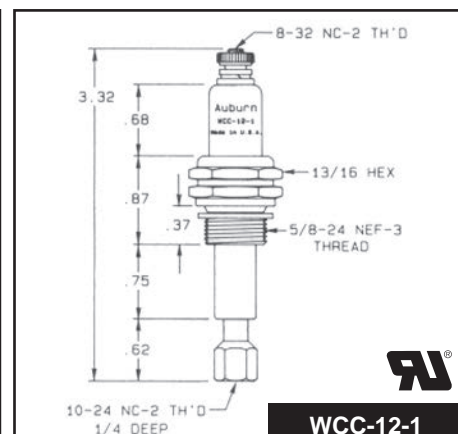
Metal parts are 303 or 304 non-magnetic stainless steel. Incorporates a special insulator tip seal and Kovar center wire-glass seal. Non-steam applications up to 2,500 PSI at 120° F or 0 PSI at 450° F. Steam applications up to 450 PSI at 459° F

**WCC-12**

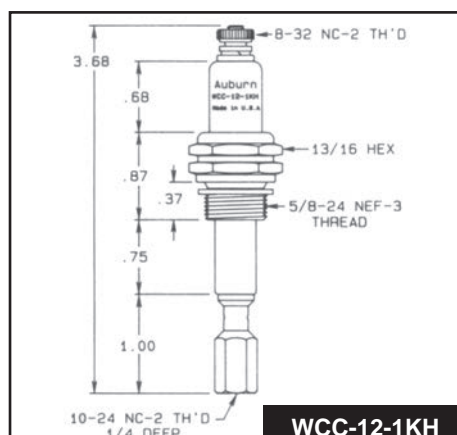
No.	Ref. No.
E5-WCC-12	WCC-12

**WCC-12KH**

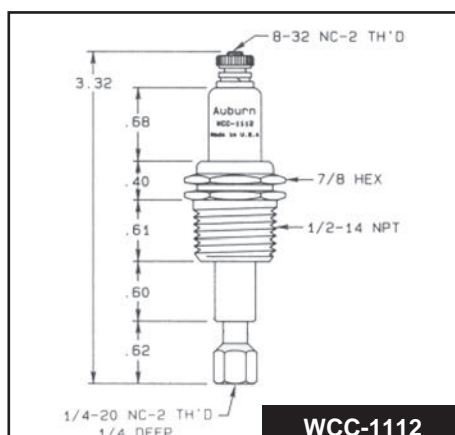
No.	Ref. No.
E5-WCC-12KH	WCC-12KH

**WCC-12-1**

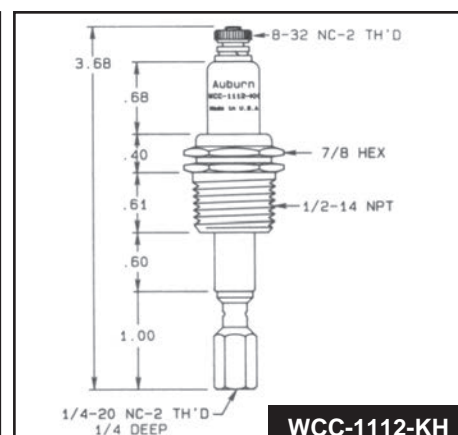
No.	Ref. No.
E5-WCC-12-1	WCC-12-1

**WCC-12-1KH**

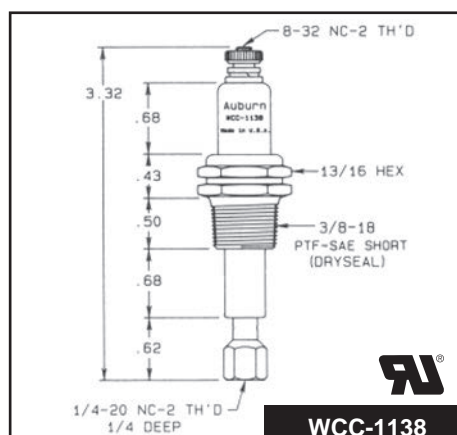
No.	Ref. No.
E5-WCC-12-1KH	WCC-12-1KH

**WCC-1112**

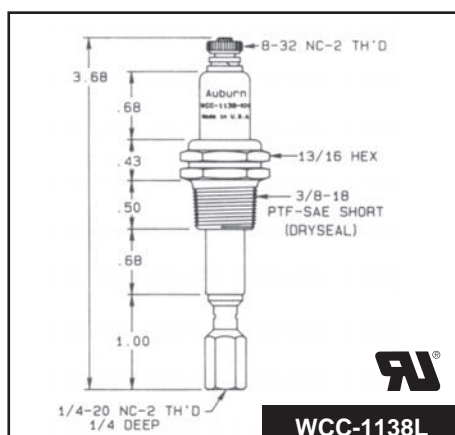
No.	Ref. No.
E5-WCC-1112	WCC-1112

**WCC-1112-KH**

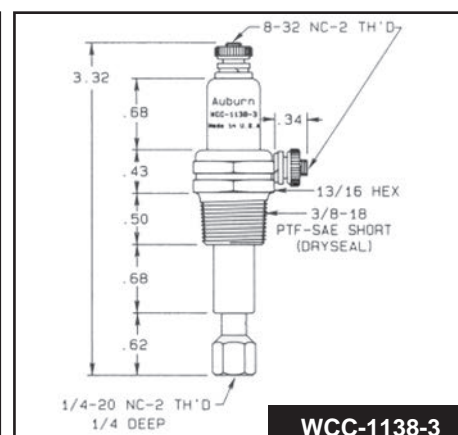
No.	Ref. No.
E5-WCC-1112-KH	WCC-1112-KH

**WCC-1138**

No.	Ref. No.
E5-WCC-1138	WCC-1138

**WCC-1138L**

No.	Ref. No.
E5-WCC-1138L	WCC-1138L

**WCC-1138-3**

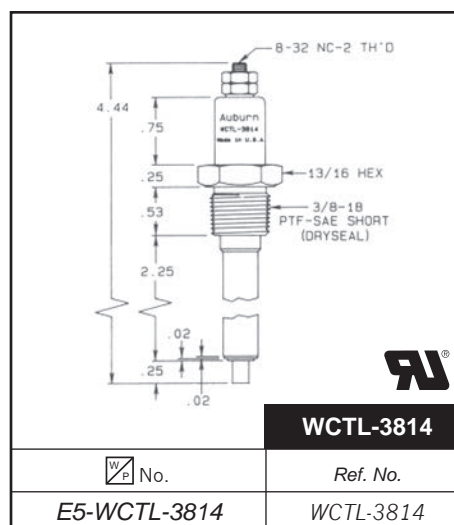
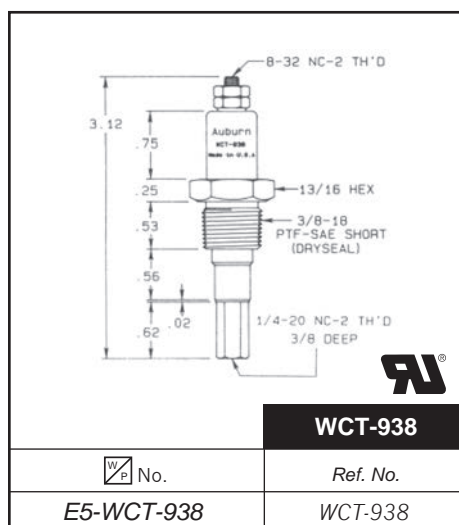
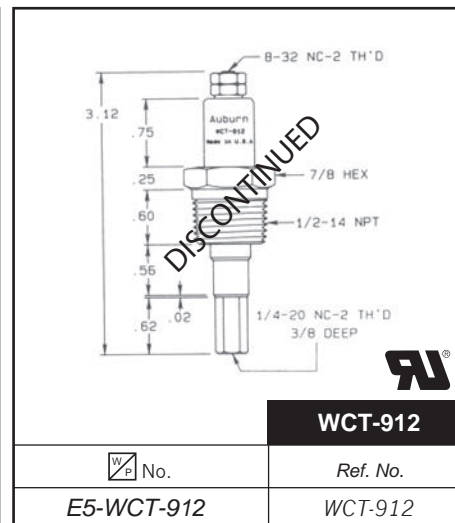
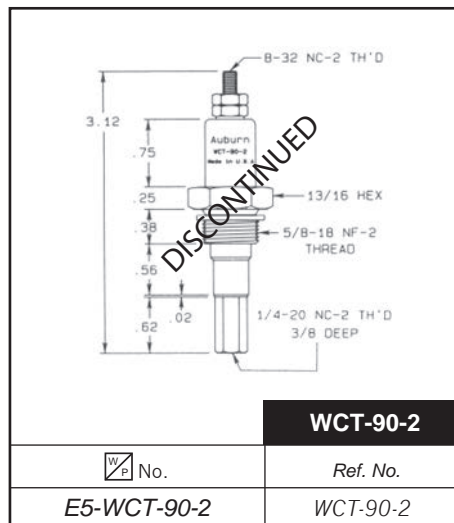
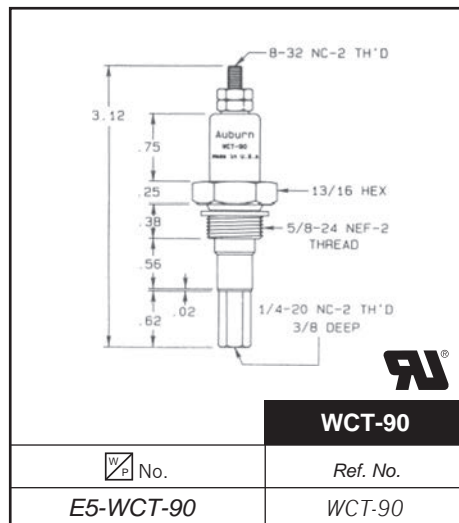
No.	Ref. No.
E5-WCC-1138-3	WCC-1138-3

**AUBURN LIQUID LEVEL ELECTRODES****WCT Series:**


Metal parts are 303 or 304 non-magnetic stainless steel, center electrodes are one piece.

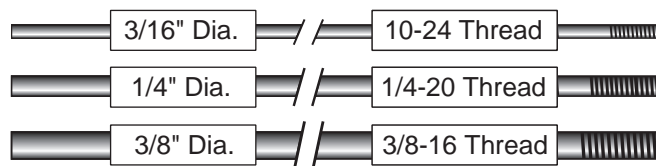
Non-steam applications up to 1,000 PSI at 120° F or 0 PSI at 400° F

Steam applications up to 100 PSI at 337° F



As a major distributor of Auburn Liquid Level Electrodes, Westwood can special order any Auburn item not shown in this catalog and get it to you fast!

 No.	Ref. No.	Thread	Length	Dia.
E5-1024-12	1024-12	10-24	12"	3/16"
E5-1024-18	1024-18	10-24	18"	3/16"
E5-1024-24	1024-24	10-24	24"	3/16"
E5-1420-6	1420-6	1/4-20	6"	1/4"
E5-1420-12	1420-12	1/4-20	12"	1/4"
E5-1420-18	1420-18	1/4-20	18"	1/4"
E5-1420-24	1420-24	1/4-20	24"	1/4"
E5-1420-36	1420-36	1/4-20	36"	1/4"
E5-3816-12	3816-12	3/8-16	12"	3/8"
E5-3816-18	3816-18	3/8-16	18"	3/8"
E5-3816-24	3816-24	3/8-16	24"	3/8"

**SOLID STAINLESS STEEL PROBES****FOR USE ON LIQUID LEVEL ELECTRODE ASSEMBLIES**

Take a look ...

LIQUID LEVEL PROBES for FULTON BOILERS on page H9

**STANDARD SIZES\***

\*Made to order non-standard lengths available by special order.

Westwood

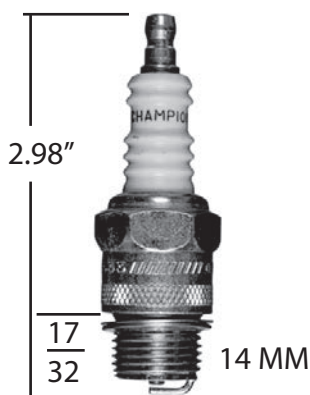
**CHAMPION****IGNITION  
ASSEMBLIES****CJ-8**

No.

Ref. No.

E5-CJ-8

CJ-8

**D-9**

No.

Ref. No.

E5-D-9

D-9

**D-89D**

No.

Ref. No.

E5-D-89D

D-89D

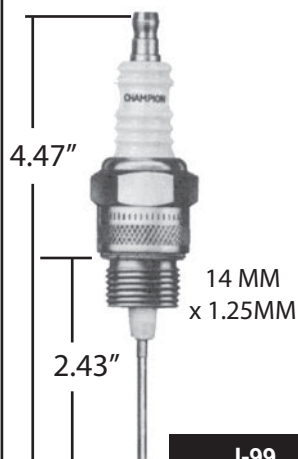
**H14Y**

No.

Ref. No.

E5-H14Y

H14Y

**J-99**

No.

Ref. No.

E5-J-99

J-99

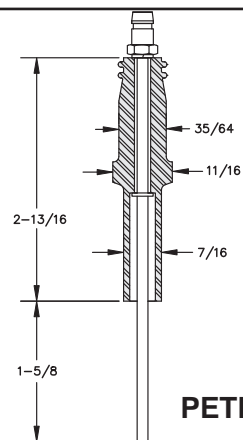
**K97F**

No.

Ref. No.

E5-K97F

K97F

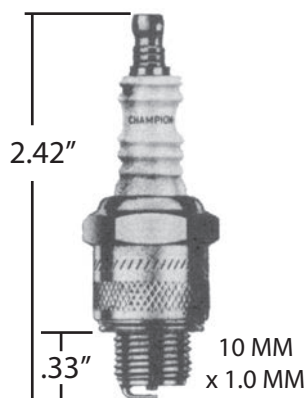
**OA-9**

No.

Ref. No.

E5-OA-9

OA-9

**UY-6**

No.

Ref. No.

E5-UY-6

UY-6

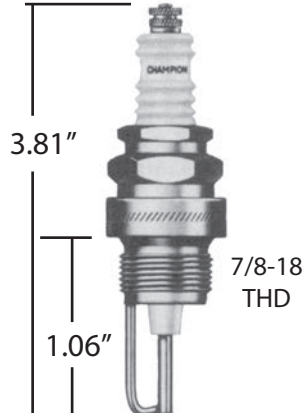
**W18**

No.

Ref. No.

E5-W18

W18

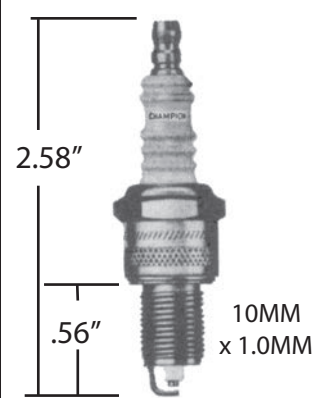
**W-95D**

No.

Ref. No.

E5-W-95D

W-95D

**Z-6**

No.

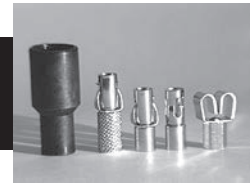
Ref. No.

E5-Z-6

Z-6



# TERMINALS























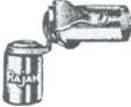




## SPECIAL NOTE: NEW **Rajah**™ TERMINAL PART NUMBERS

**Rajah**™ terminals and related items part numbers are now "E9-" followed by the former part number.

Example:

$$\begin{array}{ccc}
 \boxed{\begin{array}{c} W \\ P \end{array}} \text{ No.} & = & \text{E9-CT} \\
 \text{New Number} & & \begin{array}{cc} \text{"E9-" Prefix} & \text{Former Part Number} \end{array}
 \end{array}$$

Note: Terminal part number endings of 6-32, 8-32, 10-24, and 10-32 refer to terminal thread size

 No. E9-CT	 No. E9-SS	 No. E9-R-2	 No. E9-SF	 No. E9-TT
 No. E9-CT-TS 8-32 E9-CT-TS 10-32	 No. E9-SS-TS 10-32	 No. E9-SR	 No. E9-HS 6-32 E9-HS 10-32	 No. E9-CT-BS 6-32 E9-CT-BS 8-32 E9-CT-BS 10-32
 No. E9-SS-BS 6-32 E9-SS-BS 8-32 E9-SS-BS 10-32	 No. E9-HT 6-32 E9-HT 8-32 E9-HT 10-32	 No. E9-SX-1 6-32 E9-SX-1 10-32	 No. E9-CT-SS	 No. E9-ACT
 No. E9-ASS	 No. E9-CHT	 No. E9-BS 6-32 E9-BS 8-32 E9-BS 10-24 E9-BS 10-32	 No. E9-458-9 10-32	 No. E9-RAC
 No. E9-RASS	 No. E9-EBS 6-32 E9-EBS 10-32	 No. E9-457-6 6-32	 No. E9-SS-SOS	 No. E9-R-SOS






# TERMINALS



Note: Terminal part number endings of 6-32, 8-32, 10-24, and 10-32 refer to terminal thread size

 W/P No. E9-T-SOS	 W/P No. E9-AS-SOS	 W/P No. E9-BS-SOS	 W/P No. E9-SSN	 W/P No. E9-RSN
 W/P No. E9-TSN	 W/P No. E9-ASN	 W/P No. E9-BSN	 W/P No. E9-ACT-BS 6-32 W/P No. E9-ACT-BS 10-32	 W/P No. E9-DS-1
 W/P No. E9-FF-1	 W/P No. E9-CC-1	 W/P No. E9-SS-LBS	 W/P No. E9-SS-LTS	 W/P No. E9-XC
 W/P No. E9-SA-1 6-32	 W/P No. E9-ITN 8-32 W/P No. E9-ITN 10-32	 W/P No. E9-ITN-S 6-32 W/P No. E9-ITN-S 8-32	 W/P No. E9-TC-10	 W/P No. E9-TS-10
 W/P No. E9-R-1	 W/P No. E9-RS-3 10-32	 W/P No. E9-RX-4 6-32 W/P No. E9-RX-4 8-32 W/P No. E9-RX-4 10-32	 W/P No. E9-RX-5 10-32	 W/P No. E9-RP-6
 W/P No. E9-RC-5	 W/P No. E9-RE-7	 W/P No. E9-AEBF	 W/P No. E9-EBF	 W/P No. E9-B-10 10-32
 W/P No. E9-B-11 10-32	 W/P No. E9-BC-11	 W/P No. E9-BS-12		

Please order by  No.

rev. 3-1-11

# E26



















**Rajah™**  
TERMINALS & HIGH VOLTAGE PRODUCTS

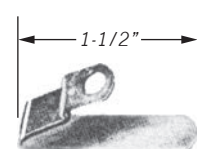
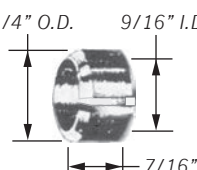
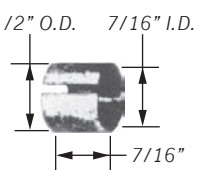
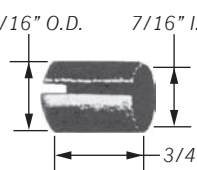
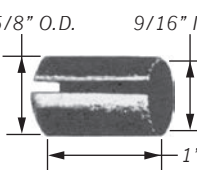


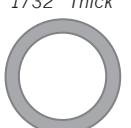
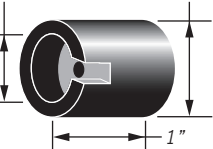
## TERMINALS



Note: Terminal part number endings of 6-32, 8-32, 10-24, and 10-32 refer to terminal thread size

 <del>DISCONTINUED</del> Reckett USE E9-Y5-10 [WP] No. E9-S-15 10-32	 [WP] No. E9-AL-10	 [WP] No. E9-AS-10	 [WP] No. E9-ASC	 [WP] No. E9-S-10
 [WP] No. E9-CS	 [WP] No. E9-YL-10	 [WP] No. E9-Y5-10	 [WP] No. E9-YSC	 1-1/8" Long [WP] No. E9-SCS-2 6-32
 1-1/4" Long [WP] No. E9-SCS-1 10-32	 [WP] No. E9-KBN 6-32 E9-KBN 10-24	 [WP] No. E9-DT	 Cleaver Brooks Spring Connects plate assembly to ignitors - 20" Long [WP] No. E9-CBS	

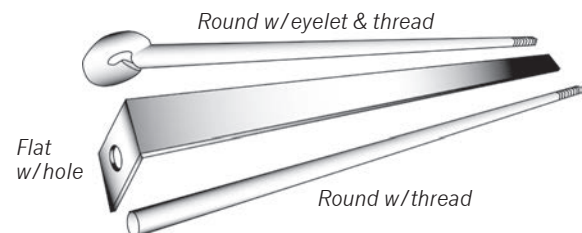
## SPECIALTY TERMINAL & ELECTRODE HARDWARE

 1-1/2" Long Walter Kidde brass buss bar [WP] No. E9-686 BAR	 3/4" O.D. 9/16" I.D. 7/16" Long Beveled and split brass bushing [WP] No. E9-BB	 1/2" O.D. 7/16" I.D. 7/16" Long Zinc plated split steel bushing [WP] No. E9-PB	 9/16" O.D. 7/16" I.D. 3/4" Long Zinc plated split steel bushing [WP] No. E9-AB	 5/8" O.D. 9/16" I.D. 1" Long Zinc plated split steel bushing [WP] No. E9-DB
 3/4" O.D. - 9/16" I.D. 1/16" Thick Cleaver Brooks split ring zinc plated steel [WP] No. E9-CBR	 3/4" O.D. - 9/16" I.D. 1/16" Thick Copper gasket - dished [WP] No. E9-467 GASKET	 3/4" O.D. - 9/16" I.D. 1/32" Thick Copper gasket - flat [WP] No. E9-I-18 GASKET	 19/32" I.D. 3/4" O.D. 1" Long Black bakelite shield for Ray [WP] No. E9-500 SHIELD	

## BUSS BARS

[WP] No.	Ref. No.	12" Length*
E9-TYPE ET	Type ET	Round brass with eyelet and 6-32 thread
E9-TYPE F	Type F	Flat brass with 1/8" hole
E9-TYPE ST	Type ST	Round brass with 6-32 thread

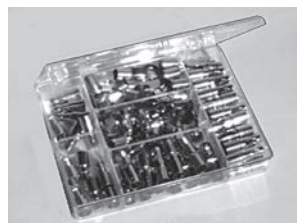
\* Other lengths available up to 24"






**Rajah™**  
TERMINALS & HIGH VOLTAGE PRODUCTS

## IGNITION TERMINAL KITS









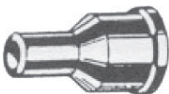







 No.	Ref. No.	Description
E9-34	34	<b>Rajah™ "Mini" Ignition Terminal Kit:</b>
		20 - CT Cage Terminals 12 - SS Spring Snap Terminals 20 - R2 Ring Terminals 10 - RAC Right Angle Cage Terminals 12 - SF Stud Ferrule Terminals
E9-54	54	<b>Rajah™ Transformer Terminal Kit:</b>
		6 - AS-10 Short Adapter Spring 6 - AL-10 Long Adapter Spring 2 - TC-10 Thumb Nut on Cage 2 - 458-9 Spring Plunger (10-32) 4 - B-10 Button Contact (short) 2 - B-11 Button Contact (long)           6 - CC-1 Cage on Cage 6 - RC-5 Ram's Horn on Cage 4 - RX4 Ram's Horn on Hex 2 - R1 Ram's Horn Clip 6 - HS Hollow Stud (10-32) 6 - SX-1 Hex Stud (10-32)
E9-2097	2097	<b>Rajah™ "Pro" Ignition Terminal Kit:</b>
		24 - CT Cage Terminals 24 - SS Spring Snap Terminals 24 - R2 Ring Terminals 24 - SF Stud Ferrule Terminals 24 - RAC Right Angle Cage Terminals 100 - DT Distributor Terminals           24 - FF-1 Ferrule on Ferrule 1 - T200-10 (former #695) <b>Terminal Crimping Tool</b>
E9-3500	3500	<b>Rajah™ "Deluxe" Ignition Terminal Kit:</b>
		12 - CT Cage Terminals 12 - SS Spring Snap Terminals 12 - R2 Ring Terminals 12 - ACT Angle Cage Terminals 12 - SF Stud Ferrule Terminals 12 - BS Base Stud (6-32) 12 - BS Base Stud (10-32) 12 - HS Hollow Stud (6-32)           12 - HS Hollow Stud (10-32) 12 - CC-1 Cage on Cage 12 - CT-TS Cage on Stud (10-32) 12 - RC-5 Ram's Horn on Cage 12 - R-1 Ram's Horn Clip 12 - #299 Special GE Slotted Stud 12 - SX-1 Hex Stud (10-32)           1 - 1/4" Nut Driver 1 - 5/16" Nut Driver 1 - T200-10 (former #695) <b>Terminal Crimping Tool</b>
E9-CK-1	CK-1	<b>Rajah™ Carlin Transformer Contact Kit:</b>
		For in the field conversion on Carlin Burner models 98, 99, 100, 101, 102 Webster transformer model 313-28AB85 2 - Contact clips 2 - Flat washers (#10) 2 - Shakeproof washers (#10) 2 - 10-32 nuts



Westwood

**CLIPS, RUBBER & CERAMIC BOOTS****ELECTRICAL CLIPS & RUBBER BOOTS**


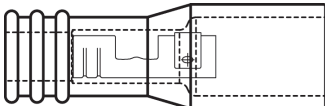

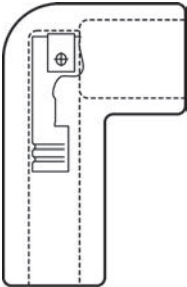

  No. E9-LV CLIP	<i>Vinyl</i>   No. E9-LV BOOT	  No. E9-20 AMP CLIP	<i>Vinyl</i>   No. E9-20 AMP BOOT
<i>Distributor nipple</i>   No. E9-DN	<i>Silicone Rubber</i>   No. E9-250 BOOT	<i>Silicone Rubber</i>   No. E9-251 BOOT	



Take a look . . .



JUMPERS &amp; CORD CLIP SETS on page T13

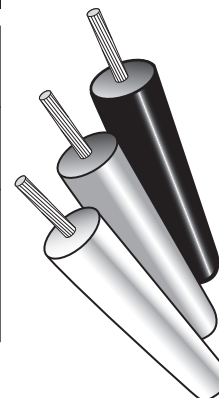
**HIGH TEMPERATURE CERAMIC SPARK PLUG BOOTS with Stainless Steel Terminals**

 No.	Ref. No.	Description
<b>E9-ECF</b>	<i>ECF</i>	EXTENDED CERAMIC BOOT - with stainless steel terminal for 7mm ignition wire  
<b>E9-AECF</b>	<i>AECF</i>	ANGLE EXTENDED CERAMIC BOOT - with stainless steel terminal for 7mm ignition wire  

Westwood

## IGNITION CABLE

Cable Type	 UL Recognized Component	 No.		
		25' Roll	100' Roll	1,000' Roll
GTO-15	Yes	E60-25	E60-100	E60-1000
White Silicone	-	E62-25	E62-100	-
Red Silicone	Yes	E63-25	E63-100	E63-1000

GTO-15  
(black)

Large .275" outside diameter fits Rajah terminals perfectly. Withstands more than **15,000 VAC** with low current leakage. Resists arc-over, tracking, and burning. Tested to withstand conditions of heat, oil, and moisture. No. 14 gauge, 19 x 26 stranded tinned copper wire. All vinyl insulation affords low temperature flexibility. Flame retardant, will not support combustion. Tough and abrasion resistant, yet easy stripping. Temperature range: **UL Recognized** to 105° C (221° F)


White  
Silicone

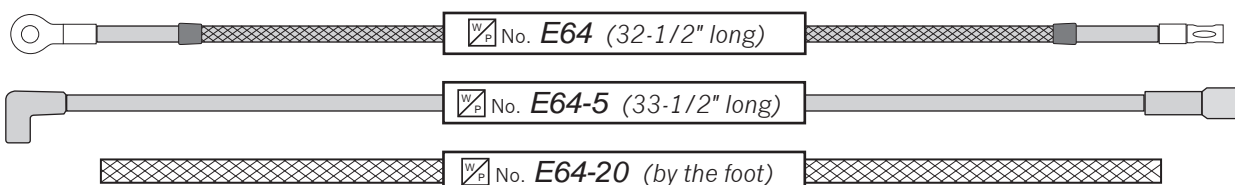
Large .275" outside diameter fits Rajah terminals perfectly. Withstands more than **10,000 VAC** and **25,000 VDC** with low current leakage. No. 16 gauge, 19 x 26 stranded tinned copper wire. Natural Silicone insulation, high dielectric strength. Temperature range: -65° F to 400° F (-54° C to 204° C)

Red  
Silicone

Large .275" outside diameter fits Rajah terminals perfectly. Withstands more than **10,000 VAC** and **25,000 VDC** with low current leakage. No. 16 gauge, 19 x 26 stranded nickel plated copper wire. Natural Silicone insulation, high dielectric strength. Temperature range: -65° F to 482° F (-54° C to 250° C) **UL Recognized**

## CABLE ASSEMBLIES and FIBERGLAS BRAID

 No.	Ref. No.	Description
E64	#3250	Red Silicone wire <b>high temperature</b> cable assembly with protective <b>metal braid</b> . Temperature range -65° F to 450° F. Overall length is 32-1/2".
E64-5	#RS-3350	Red Silicone wire <b>high temperature</b> cable assembly with red Silicone <b>boots</b> . Temperature range -65° F to 450° F. Withstands <b>10,000 VAC / 25,000 VDC</b> . Overall length is 33-1/2".
E64-20	#3253	Fiberglass braided sleeving. Fits over ignition cable for high temperature protection. Sold by the foot. (Ordering example: For 5' of sleeving order 5 of E64-20. Shipped as one piece)



## ELECTRICAL ACCESSORIES



## SOLDERLESS TERMINAL KIT

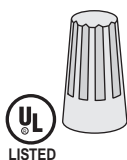
 No. **E70**

Contains 175 of the most popular terminals and connectors

## KIT REFILL TERMINALS - Part numbers are for a package of the quantity indicated

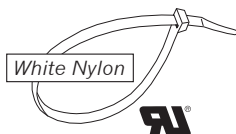
 AWG: 22-16 Female .250 Tab No. E70-10	 AWG: 22-16 Ring #6 Stud No. E70-20	 AWG: 16-14 Ring #8 Stud No. E70-21	 AWG: 16-14 Spade #8 Stud No. E70-34	 AWG: 16-14 Spade #10 Stud No. E70-36	 AWG: 22-16 Butt Connector No. E70-40
<b>BACK ROW - All Packages of 100</b>					
 AWG: 16-14 Female .250 Tab No. E70-12	 AWG: 22-16 Ring #10 Stud No. E70-22	 AWG: 16-14 Ring #10 Stud No. E70-23	 AWG: 16-14 Spade #6 Stud No. E70-30	 AWG: 22-16 Spade #6 Stud No. E70-32	 AWG: 16-14 Butt Connector No. E70-42
<b>MIDDLE ROW - Packages of 100</b>					<b>Pkg. of 50</b>
 AWG: 12-10 Female .250 Tab No. E70-14	 AWG: 12-10 Ring #10 Stud No. E70-24	 AWG: 12-10 Ring 1/4" Stud No. E70-25	 AWG: 12-10 Ring 5/16" Stud No. E70-26	 AWG: 12-10 Spade #10 Stud No. E70-38	 AWG: 12-10 Butt Connector No. E70-44
<b>FRONT ROW - All Packages of 50</b>					

## WIRE CONNECTORS - Part numbers are for a package of 100

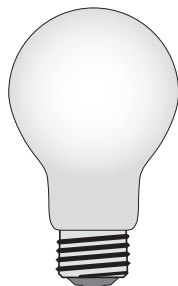


	GREY	BLUE	ORANGE	YELLOW	RED
No.	E70-50	E70-52	E70-54	E70-56	E70-58

## CABLE TIES - Part numbers are for a package of 100



	4"	5-1/2"	7-1/2"	11"	14"
No.	E70-60	E70-62	E70-64	E70-66	E70-68



## ROUGH SERVICE BULBS

Part numbers are for a box of 2 bulbs

	75 Watt	100 Watt
No.	E70-75	E70-100

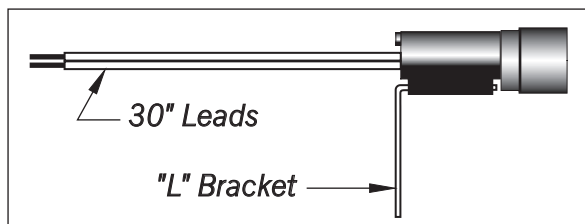
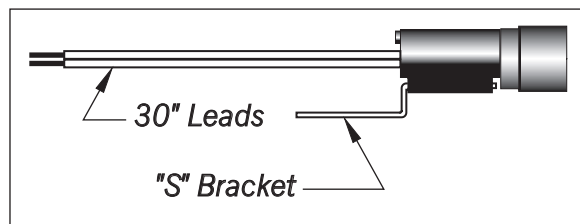
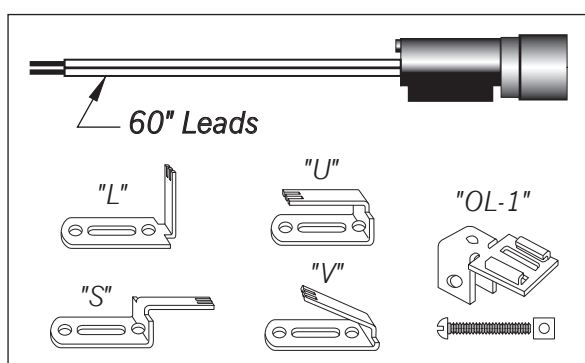
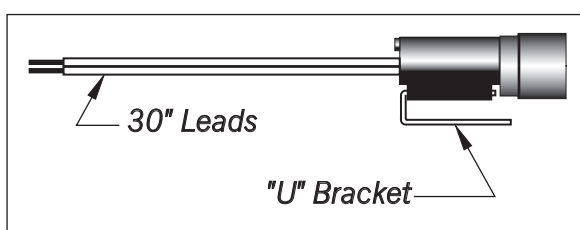
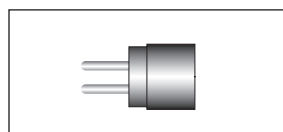
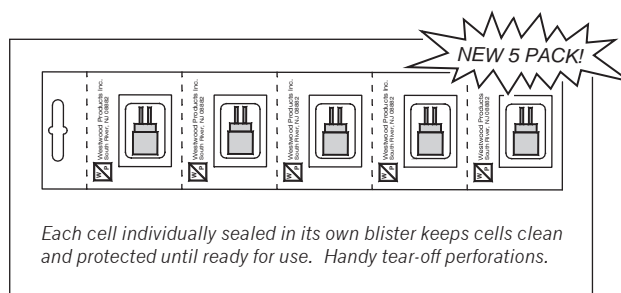




Westwood

**CAD CELL FLAME DETECTORS**

UNIVERSAL REPLACEMENT FOR HONEYWELL AND WHITE-RODGERS

No. **E80**No. **E80-1**No. **E80-2**No. **E80-3**No. **E81**No. **E81-10**No. **E81-5**

No.	Ref. No.	Description
<b>E80</b>	TM-30L	Complete flame detector with cad cell eye*, 30" leads, "L" bracket, poly bag package
<b>E80-1</b>	TM-30S	Complete flame detector with cad cell eye*, 30" leads, "S" bracket, poly bag package
<b>E80-2</b>	TMK-60	Complete flame detector kit with cad cell eye*, 60" leads, "L" bracket, "S" bracket, "U" bracket, "V" bracket, "OL-1" special oil line bracket with mounting screw and nut, packaged in a box
<b>E80-3</b>	-	Complete flame detector with cad cell eye*, 30" leads, "U" bracket, poly bag package
<b>E81</b>	Type M	Cad cell eye* packaged in a box
<b>E81-5</b>	-	Cad cell eye* <b>5 pack</b> (blister card with 5 E81-5 eyes per card), tear-off perforations
<b>E81-10</b>	Type W	<del>Cad cell eye, bayonet mount for White-Rodgers cad cell flame detector</del> <b>DISCONTINUED</b>

\* Cad cell eye replaces Honeywell 130367 and fits C554A flame detector



T70 Cad cell relay and eye tester on page T11

Please order by



No.

rev. 12-14-15

**E32**

# THERMOSTAT GUARDS

METAL AND PLASTIC TAMPER PROOF DESIGNS IN PLEASING COLORS

*Designed for use in schools, industrial plants and military installations where **rugged, maximum protection** is the first consideration. The louvered covers cannot be twisted or jammed open. Bobby pins, pencils, letter openers and other such objects cannot be inserted through the cover to adjust the thermostat.*

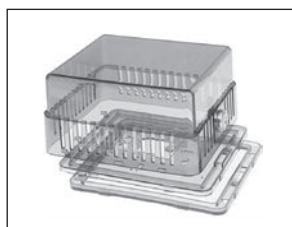
- ▶ Metal guards are constructed of 18-22 gauge steel with a baked enamel finish
- ▶ Plastic guards are molded from hi-impact plastic and can be used with both horizontally or vertically mounted thermostats
- ▶ All guards come with eight tumbler lock, one key, and mounting hardware
- ▶ Guards with ring bases can be installed without removing the thermostat



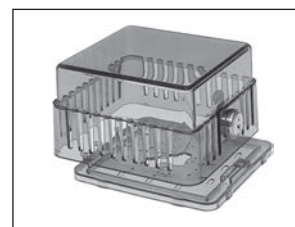
 No. **E140**



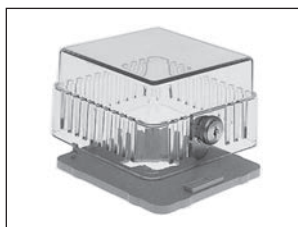
 No. **E140-1**



 No. **E141**



 No. **E142**



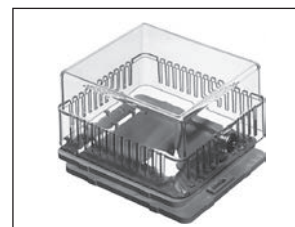
 No. **E142-1**




 No. **E142-2**



 No. **E142-3**



 No. **E143**

 No.	Ref. No.	Inside Dimensions H" x W" x D"	Mat'l	Color	Base	Comments
<b>E140</b>	WTG-54VL	6-1/4 x 4-3/4 x 3	M	BE	SH	T80, T90, T91, T199, T330, T340, T42, T26, T87, T92, T651, T921, T872, T882
<b>E140-1</b>	WTG-54VLW	6 x 3-13/16 x 3-1/8	M	BE	RH	
<b>E141</b>	WTG-B	5-1/4 x 4-5/8 x 3-1/4	P	BR	SR	
<b>E142</b>	WTG-EB	3-7/8 x 3-1/2 x 2-1/2	P	BR	S	
<b>E142-1</b>	WTG-EK	3-7/8 x 3-1/2 x 2-1/2	P	CL	S	T199, TP970, TP971, TP972, TP973, T26, T87, TS86, T832, T853, TP910
<b>E142-2</b>	WTG-EM	3-7/8 x 3-1/2 x 2-1/2	M	BE	S	
<b>E142-3</b>	WTG-EO	3-7/8 x 3-1/2 x 2-1/2	P	OP	S	
<b>E143</b>	WTG-K	5-1/4 x 4-5/8 x 3-1/4	P	CL	SR	

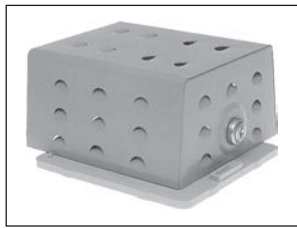
M=Metal  
P=Plastic

BE=Beige  
BR=Bronze  
CL=Clear  
OP=Opaque  
WH=White

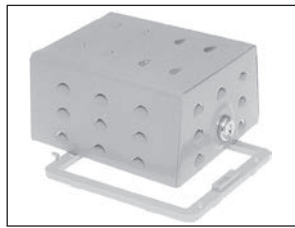
H=Hinged  
R=Ring  
S=Solid

# THERMOSTAT GUARDS (CONTINUED)

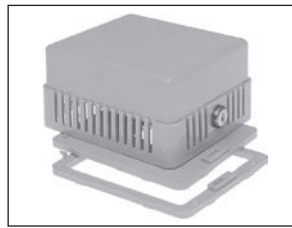
METAL AND PLASTIC TAMPER PROOF DESIGNS IN PLEASING COLORS



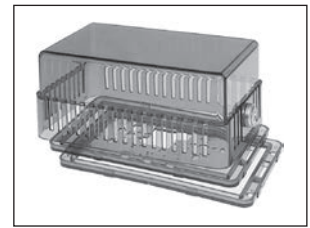
 No. **E143-1**



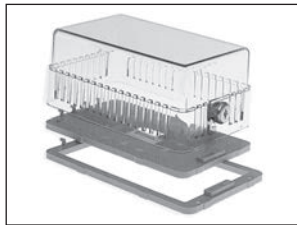
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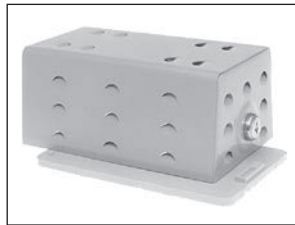
 No. **E143-3**



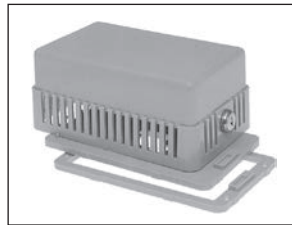
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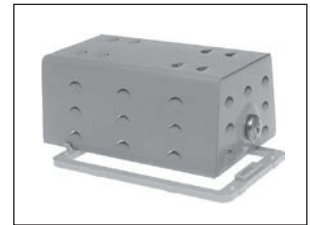
 No. **E144-1**



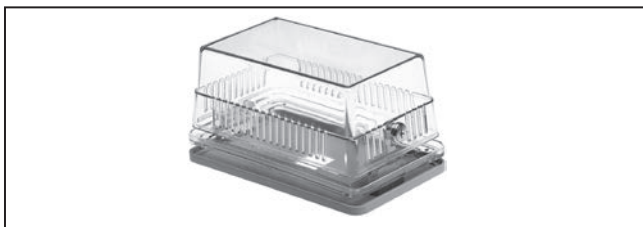
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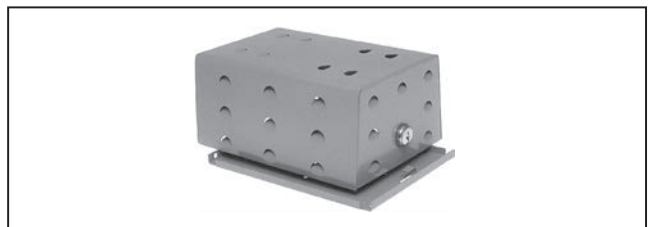
 No. **E144-3**




 No. **E144-4**



 No. **E145 Series**




 No. **E146**

 No.	Ref. No.	Inside Dimensions H" x W" x D"	Mat'l	Color	Base	Comments
<b>E143-1</b>	WTG-KM	5-1/4 x 4-5/8 x 3	M	BE	S	
<b>E143-2</b>	WTG-KWM	5-1/4 x 4-5/8 x 3-1/4	M	BE	R	
<b>E143-3</b>	WTG-O	5-1/4 x 4-5/8 x 3-1/4	P	OP	SR	
<b>E144</b>	WTG-RB	6-3/8 x 3-1/2 x 3-1/4	P	BR	SR	
<b>E144-1</b>	WTG-RK	6-3/8 x 3-1/2 x 3-1/4	P	CL	SR	T80, T90, T91, T99, T199, T330, T340, T42, TA42, T26, TS86, T87, T92, T498, T651, T834, T921, T872, T882
<b>E144-2</b>	WTG-RM	6-3/8 x 3-1/2 x 3	M	BE	S	
<b>E144-3</b>	WTG-RO	6-3/8 x 3-1/2 x 3-1/4	P	OP	SR	
<b>E144-4</b>	WTG-RWM	6-3/8 x 3-1/2 x 3-1/4	M	BE	R	
<b>E145</b>	WTG-UB2	8-1/8 x 4-5/8 x 3-5/8	P	BR	SR	General, White-Rodgers, Barber Colman, Honeywell, Robertshaw, Camstat, Penn
<b>E145-1</b>	WTG-UK2	8-1/8 x 4-5/8 x 3-5/8	P	CL	SR	
<b>E146</b>	WTG-UM	7-1/4 x 5-3/8 x 3-1/2	M	BE	S	

M=Metal  
P=Plastic

BE=Beige  
BR=Bronze  
CL=Clear  
OP=Opaque  
WH=White

H=Hinged  
R=Ring  
S=Solid

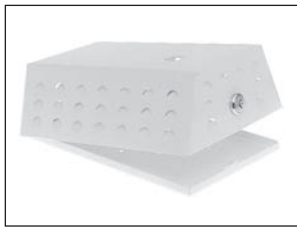
Please order by  No.

rev. 3-1-11

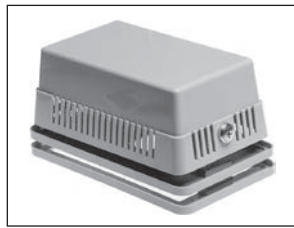
# E34

# THERMOSTAT GUARDS (CONTINUED)

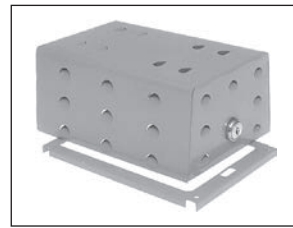
METAL AND PLASTIC TAMPER PROOF DESIGNS IN PLEASING COLORS



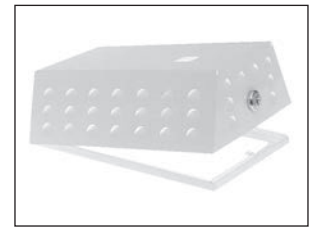
No. **E147 Series**



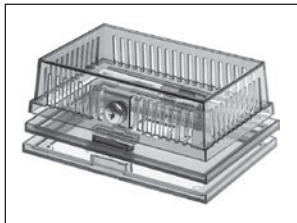
No. **E148**



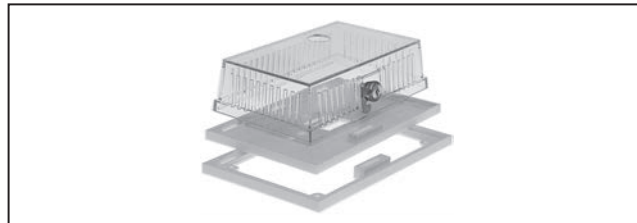
No. **E149**



No. **E150 Series**



No. **E151**



No. **E151-1, -2**



No. **E151-3**

No.	Ref. No.	Inside Dimensions H" x W" x D"	Mat'l	Color	Base	Comments
<b>E147</b>	WTG-UM1	9-3/8 x 6-3/4 x 3	M	WH	SH	Honeywell T7300 series
<b>E147-1</b>	WTG-UM1DH	9-3/8 x 6-3/4 x 3	M	WH	SH	Honeywell T7300 series w/display opening
<b>E147-2</b>	WTG-UM1DOH	9-3/8 x 6-3/4 x 3	M	WH	SH	Honeywell T7300 series w/override/display opening
<b>E147-3</b>	WTG-UM1DOWR	9-3/8 x 6-3/4 x 3	M	WH	SH	White-Rodgers IF90 series w/override/display opening
<b>E147-4</b>	WTG-UM1OH	9-3/8 x 6-3/4 x 3	M	WH	SH	Honeywell T7300 series w/override opening
<b>E147-5</b>	WTG-UM1SDH	9-3/8 x 6-3/4 x 3	M	WH	SH	Honeywell T7400 series w/display opening
<b>E148</b>	WTG-UO2	8-1/8 x 4-5/8 x 3-5/8	P	OP	SR	
<b>E149</b>	WTG-UWM	6-3/4 x 4-1/4 x 3-9/16	M	BE	R	
<b>E150-1</b>	WTG-UWM1DH	9-3/8 x 6-3/4 x 3	M	WH	RH	Honeywell T7300 series w/display opening
<b>E150-2</b>	WTG-UWM1DOH	9-3/8 x 6-3/4 x 3	M	WH	RH	Honeywell T7300 series w/override/display opening
<b>E150-3</b>	WTG-UWM1DOWR	9-3/8 x 6-3/4 x 3	M	WH	RH	White-Rodgers IF90 series w/override/display opening
<b>E150-4</b>	WTG-UWM1OH	9-3/8 x 6-3/4 x 3	M	WH	RH	Honeywell T7300 series w/override opening
<b>E150-5</b>	WTG-UWM1SDH	9-3/8 x 6-3/4 x 3	M	WH	RH	Honeywell T7400 series w/display opening
<b>E151</b>	WTG-DB	4-1/8 x 7-1/16 x 2-1/4	P	BR	SR	
<b>E151-1</b>	WTG-DK	4-1/8 x 7-1/16 x 2-1/4	P	CL	SR	
<b>E151-2</b>	WTG-DK1	4-1/8 x 7-1/16 x 2-1/4	P	CL	SR	w/override opening
<b>E151-3</b>	WTG-DO	4-1/8 x 7-1/16 x 2-1/4	P	OP	SR	

M=Metal  
P=Plastic

BE=Beige  
BR=Bronze  
CL=Clear  
OP=Opaque  
WH=White

H=Hinged  
R=Ring  
S=Solid

## ULTRAGLO™ Thermostat Light

Mounts anywhere!



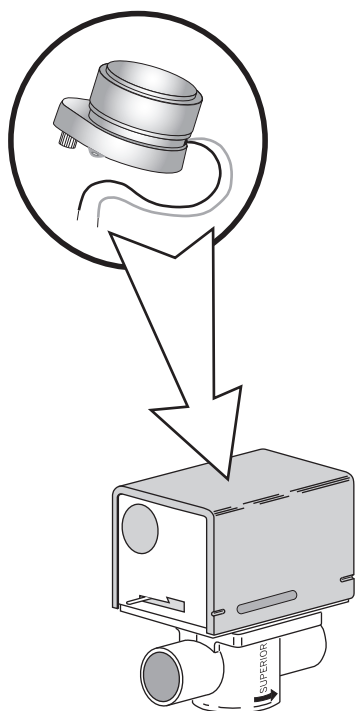
*This easy to mount battery powered light has an ultra bright bulb that draws little current. It can be mounted in any convenient location with the two mounting screws provided. Easily slips out of its mounting bracket for use as a hand light. Use in cars, boats, RVs and campers too!*

 No. **E140-40**


## REPLACEMENT ZONE VALVE MOTOR

For motor driven OPEN, spring return CLOSE valves  
(ie. Erie, Flare, Honeywell, Superior)

INSTALLS WITHOUT REMOVING VALVE FROM PIPING  
USING EASY TO INSTALL EXTENDED BRASS SCREWS



**New easy to install screws!**

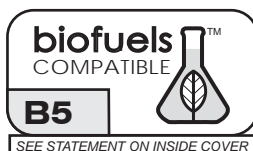
 No.	Description
<b>E180</b>	Individually packaged with installation instructions, wire nuts, and easy to install extended brass mounting screws 24 VAC, 50/60 Hz, .32 A



Westwood


# CAST IRON TOP FUEL FILTERS

WITH **EPOXY** COATING INSIDE!



- Exact Replacement for popular CAST IRON top filters
- Heavy gauge canister with EPOXY COATING on the inside - FIRST in the industry!
- UL GPH and pressure ratings EXCEED comparable OEM filters
- 360° screwdriver slot makes disassembly for element changing easy
- Service environment: Indoors, 20° to 105° F

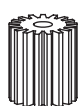




**CHOICE OF ELEMENT INSIDE**

*Pure/Oil™*

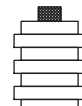
Fiber-Welded White Element




**F20**

CLASSIC *FELT™*

Stacked Segment Element




**F25**



**CHOICE OF ELEMENT INSIDE**

*Pure/Oil™*

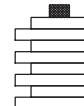
Fiber-Welded White Element



**F65**


CLASSIC *FELT™*

Stacked Segment Element



**F70**

## COMPLETE CAST IRON TOP FILTERS with EPOXY coated canister

 No.	Element Type	GPH	PSI	Exact Replacement for:
F20 F25	Pure-Oil™ CLASSIC FELT™	17	52	General 1A-25A
F65 F70	Pure-Oil™ CLASSIC FELT™	32	52	General 2A-700A

All filters have 3/8" NPT pipe connections

 Take a look . . .

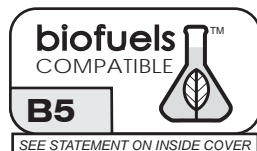
UL Recognized CANISTER UPGRADE KITS on page F12  
Individual FILTER GASKETS on page F11

# F1

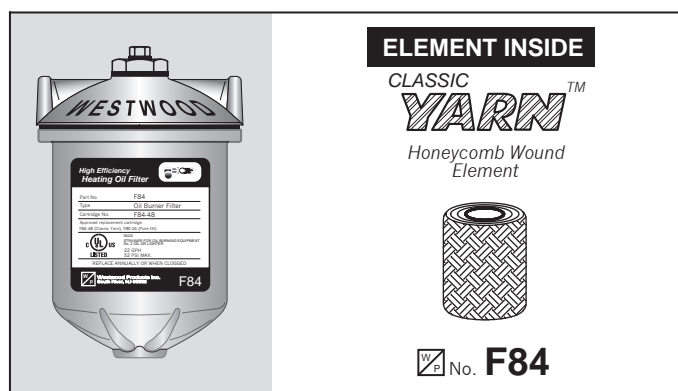
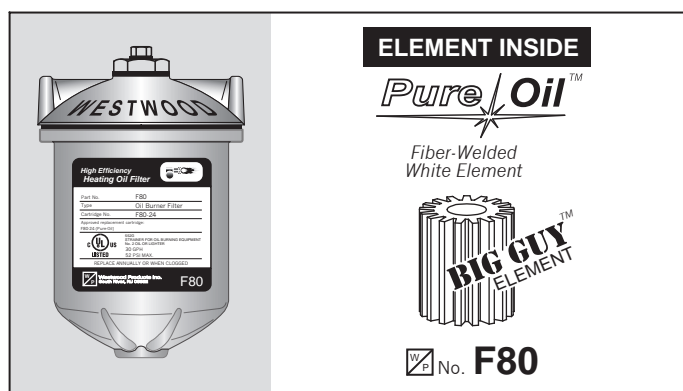
Westwood

# HIGH CAPACITY CAST IRON TOP FUEL FILTERS

WITH **EPOXY** COATING INSIDE!



- Exact Replacement for popular CAST IRON top filters
- Heavy gauge canister with EPOXY COATING on the inside - FIRST in the industry!
- UL GPH and pressure ratings EXCEED comparable OEM filters
- 360° screwdriver slot makes disassembly for element changing easy
- **BIG GUY™** element holds twice as much as standard elements
- Service environment: Indoors, 20° to 105° F



## COMPLETE CAST IRON TOP FILTERS with EPOXY coated canister



No.	Element Type	GPH	PSI	Exact Replacement for:
F80	Pure-Oil™ <b>BIG GUY™</b>	30	52	Fulflo FB4
F84	CLASSIC YARN™	22	52	

All filters have 3/8"- NPT pipe connections



UL Recognized CANISTER UPGRADE KITS on page F12  
Individual FILTER GASKETS on page F11

Please order by No.

rev. 6-13-18

# F2

Westwood

the NEW industry leader in Spin-Ons!

1/8"-NPT tapping for vacuum gauge &amp; bleeding

ALL heads tapped for bracket

Cast aluminum top

Seamless one piece  
canister (drawn steel)

Epoxy coated inside

10 or 15  
Micron mediaPlated steel end caps (media  
embedded in thermo setting adhesive)

Spring pad (no metal to epoxy contact)

biofuels  
COMPATIBLE

B5-B100

SEE STATEMENT ON INSIDE COVER



#1

The FIRST Epoxy  
Coated UL LISTED  
Spin-On!

Perforated metal center support tube

Precision coil spring

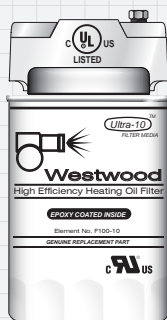
For Every Service Need...

Residential

Commercial



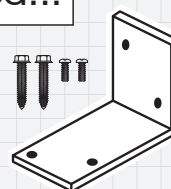
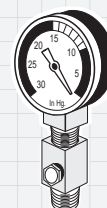
F99, F99B



F100, F100B



F100-1

Mounting  
Bracket  
KitFLI™  
Filter Life Indicator  
with Gauge Mount  
& Bleeder fittingSee the following pages for a  
complete listing of the entire  
Spin-On line, replacement  
elements, and accessories.

Model no.	F99	F99B	F100	F100B	F100-1
Microns	10	15	10	15	30
GPH	16	16	29	29	52
Fuel Oils	1, 2, up to B5	1, 2, up to B100	1, 2, up to B5	1, 2, up to B100	1, 2, up to B5

All Westwood Spin-On filters and replacement elements are either UL Listed or UL Recognized Components

# THE NEW F99-2 SPIN-ON FILTER

Now The Perfect Size!

IF YOU LIKE  
THIS FILTER...

...YOU'RE GONNA LOVE  
THIS FILTER!



## F20

- 17 GPH
- 52 PSI MAX
- UL Listed
- Epoxy Coated



## F99-2

- 16 GPH
- 47 PSI MAX
- UL Listed
- Epoxy Coated
- 10 Micron Filtration
- Mounting Bracket
- Quick & Clean Filter Change
- Fits In Same Space As Traditional Filters



## The New F99-2 Spin-on filter

Designed to match the size and performance of traditional oil burner filters, but with improvements that you will love! The F99-2 gives you 10 micron filtration, quick and clean filter changes, a mounting bracket, in a size that fits in the same space as traditional filters.

P/N

Description

F99-2

Complete Spin-on Filter w/mounting bracket

F99-10

Replacement Cartridge Only



Please order by  No.

# F4



All Spin-On filters have 3/8"-NPT pipe connections and a 1/8"-NPT bleeder/gauge port. Service environment: Indoors, 20° to 105° F.

biofuels  
COMPATIBLE



**B5-B100**

SEE STATEMENT ON INSIDE COVER

## RESIDENTIAL - 16 GPH, 40 PSI, 10 or 15 Micron



Traditional  
F20

New!  
F99-2  
F99-2B

### The New F99-2 & F99-2B Spin-on filters

Designed to match the size and performance of traditional oil burner filters, but with improvements that you will love! The F99-2 & F99-2B (biofuel) filters give you 10 & 15 micron filtration respectively. They offer quick and clean filter changes, a mounting bracket, in a size that fits in the same space as traditional filters.



No. F99-2  
No. F99-2B  
Complete Filter with  
bracket kit

### Ultra™ 10 or 15 MICRON FILTER MEDIA



No. F99-10  
No. F99-10B  
Replacement Element,  
individ. boxed with "O" ring

Part No.	F99-2	F99-2B	F99-10	F99-10B
Microns	10	15	10	15
GPH	16	16	16	16
Fuel Oils	1, 2, up to B5	1, 2, up to B100	1, 2, up to B5	1, 2, up to B100

## RESIDENTIAL - 29 GPH, 40 PSI, 10 or 15 Micron



No. F100  
Complete Filter



No. F100-2  
No. F100-2B  
Complete Filter with  
bracket kit



No. F100-4  
Complete Filter with  
bleeder fitting and **FLI**™  
gauge



No. F100-6  
Complete Filter with  
bracket kit, bleeder fitting  
and **FLI**™ gauge

### Ultra™ 10 or 15 MICRON FILTER MEDIA



No. F100-10  
No. F100-10B  
Replacement Element,  
individually boxed  
with "O" ring

Part No.	F100	F100-2	F100-2B	F100-4	F100-6	F100-10	F100-10B
Microns	10	10	15	10	10	10	15
GPH	29	29	29	29	29	29	29
Fuel Oils	1, 2, up to B5	1, 2, up to B5	1, 2, up to B100	1, 2, up to B5	1, 2, up to B5	1, 2, up to B5	1, 2, up to B100

## COMMERCIAL - 52 GPH, 20 PSI, 30 Micron, Fuels 1, 2, B5

### COMMERCIAL DUTY 30 MICRON FILTER MEDIA



No. F100-1  
Complete Filter



No. F100-3  
Complete Filter with  
bracket kit



No. F100-5  
Complete Filter with  
bleeder fitting and **FLI**™  
gauge



No. F100-7  
Complete Filter with  
bracket kit, bleeder fitting  
and **FLI**™ gauge



No. F100-11  
Replacement Element,  
individually boxed  
with "O" ring

Need help identifying what you need? See cross reference on next page.


**F5**

rev. 3-17-17

Please order by  No.

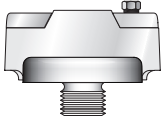

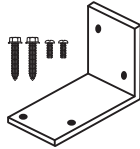



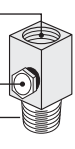





## SPIN-ON CROSS REFERENCE - Westwood to others

 No.	Description	Gar-Ber	Sid Harvey (Mitco)	Crown
<b>F99-2</b>	Filter - Residential	-	-	41439
<b>F99-2B</b>	Filter - Residential, w/bracket, 100% Biofuel	-	-	-
<b>F100</b>	Filter - Residential	11V-R	290, 264-SO	-
<b>F100-1</b>	Filter - Commercial	-	292-2, 264-92	-
<b>F100-2</b>	Filter - Residential w/bracket	11BV-R	-	-
<b>F100-2B</b>	Filter - Residential w/bracket, 100% Biofuel	-	-	-
<b>F100-3</b>	Filter - Commercial w/bracket	11BV-M	292-2B, 264-92B	-
<b>F100-4</b>	Filter - Residential w/gauge	11V-RK	-	-
<b>F100-5</b>	Filter - Commercial w/gauge	-	292-2G, 264-92G	-
<b>F100-6</b>	Filter - Residential w/bracket & gauge	11BV-RK	-	-
<b>F100-7</b>	Filter - Commercial w/bracket & gauge	11BV-MK	292-2GB, 264-92GB	-
<b>F100-8</b>	Replacement spin-on filter top only	-	290-SO, 290-SOM	-
<b>F100-10</b>	Spin-On element only - Residential	R	290-6, 264-91	41436
<b>F100-10B</b>	Spin-On element only - Residential, 100% Biofuel	-	-	-
<b>F100-11</b>	Spin-On element only - Commercial	M	292-1, 264-93	-
<b>F100-14</b>	Filter Life Indicator (FLI) color coded guage, 1/8"-NPT	F.R.I.	-	-

This cross-reference is provided as an aid in identifying which Westwood part numbers most closely replace those part numbers shown. It was accurate at the time it was created, to the extent that the information was publically available. Since manufacturers may sometimes change specs or discontinue products altogether, some inaccuracies may develop over time. Further, the Westwood parts shown will provide an equivalent, or superior, level of performance and service. However, due to differences among manufacturers, physical size and dimensions may vary.

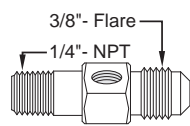
## SPIN-ON PARTS & ACCESSORIES

  No. <b>F100-8</b> Replacement filter top only with holes for bracket	  No. <b>F100-12</b> Mounting bracket Kit (includes screws)	  No. <b>F100-14</b> <b>FLI™</b> (Filter Life Indicator) color coded compound gauge	  No. <b>F100-16</b> Gauge Mount with Bleeder Screw	  No. <b>F100-18</b> Spin-On filter wrench (fits all popular filters)
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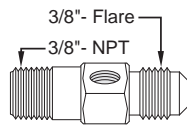



## FILTER LIFE INDICATOR GAUGE AND FITTINGS

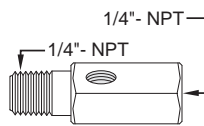

The **FLI™** gauge is a color coded compound gauge that predicts filter life by showing the running vacuum as the filter loads up. The fittings may also be used as a diagnostic tool wherever a gauge needs to be inserted into the system.


 No. **F100-50**


Piping: 3/8" Copper  
Use at: Pump, OSV, Tigerloop


 No. **F100-60**

Piping: 3/8" Copper  
Use at: Filter


 No. **F100-70**

Piping: Flexible oil Line  
Use at: Pump, OSV, Tigerloop



 No. **F100-80**

Piping: Buderus flexible oil line between Tigerloop and pump inlet port



 No. **F100-85**

Piping: Buderus flexible oil line between pump return port and Tigerloop



 No.	Description	System Piping	Typically Installed At
<b>F100-14</b>	<b>FLI™</b> Filter Life Indicator color coded gauge, 1/8"-NPT	-	-
<b>F100-50</b>	<b>FLI™</b> fitting, 3/8" flare x 1/4"- NPT(M)	3/8" OD Copper	Pump, OSV, Tigerloop
<b>F100-55</b>	F100-50 fitting with <b>FLI™</b> gauge	3/8" OD Copper	Pump, OSV, Tigerloop
<b>F100-60</b>	<b>FLI™</b> fitting, 3/8" flare x 3/8"- NPT(M)	3/8" OD Copper	Filter
<b>F100-65</b>	F100-60 fitting with <b>FLI™</b> gauge	3/8" OD Copper	Filter
<b>F100-70</b>	<b>FLI™</b> fitting, 1/4"- NPT(F) x 1/4"- NPT(M)	Flexible Oil Line	Pump, OSV, Tigerloop
<b>F100-75</b>	F100-70 fitting with <b>FLI™</b> gauge	Flexible Oil Line	Pump, OSV, Tigerloop
<b>F100-80</b>	<b>FLI™</b> fitting, 3/8"- BSPP* x 1/4"- NPT(M), with <b>FLI™</b> gauge	Buderus Oil Line	Tigerloop to pump
<b>F100-85</b>	Buderus-Tigerloop pump return fitting, 3/8"- BSPP* x 1/4"- NPT(M)	Buderus Oil Line	Pump to Tigerloop

\*BSPP = British Standard Pipe Parallel. The thread used on Buderus flexible oil lines.

Please order by  No.

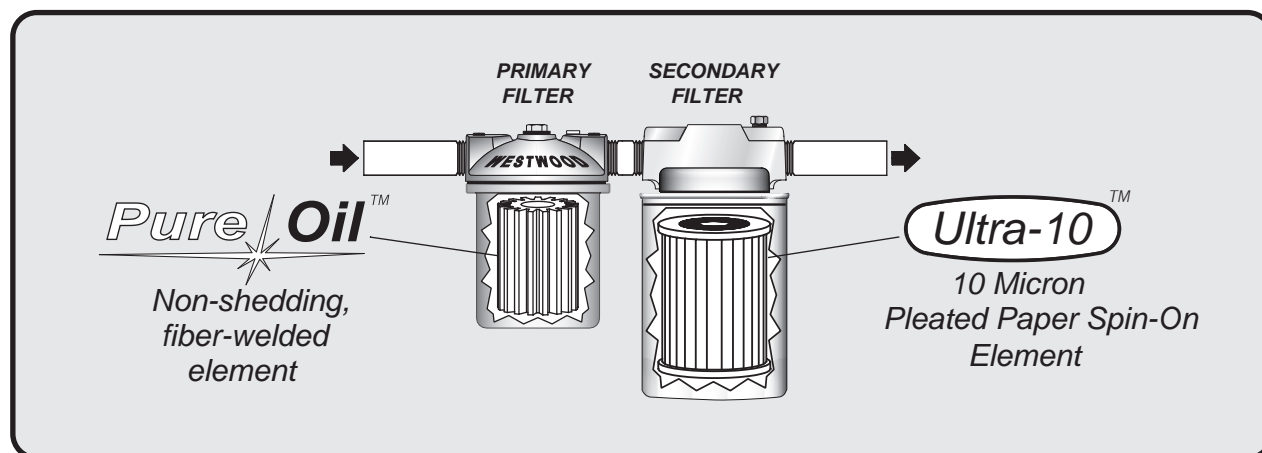
rev. 3-17-17

# F6

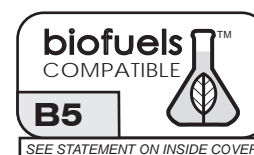
Westwood

## SECONDARY FILTRATION ASSEMBLIES

Fully assembled filter assemblies combining Westwood's premium cast iron top filters with Westwood's ultra fine spin-on filter. Connected in series, the **PRIMARY** filter catches most contamination; the **SECONDARY** filter traps the small nozzle plugging particles. All filters used in the secondary filtration assemblies are UL Listed. Service environment: Indoors, 20° to 105° F.



W/P No.	Primary Filter No.	Primary Element	Secondary Filter No.	Secondary Element
F20-100	F20	Pure-Oil™	F100	10 micron spin-on
F65-100	F65		F100	
F80-100	F80		F100	



All filters have 3/8" - NPT pipe connections

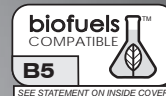
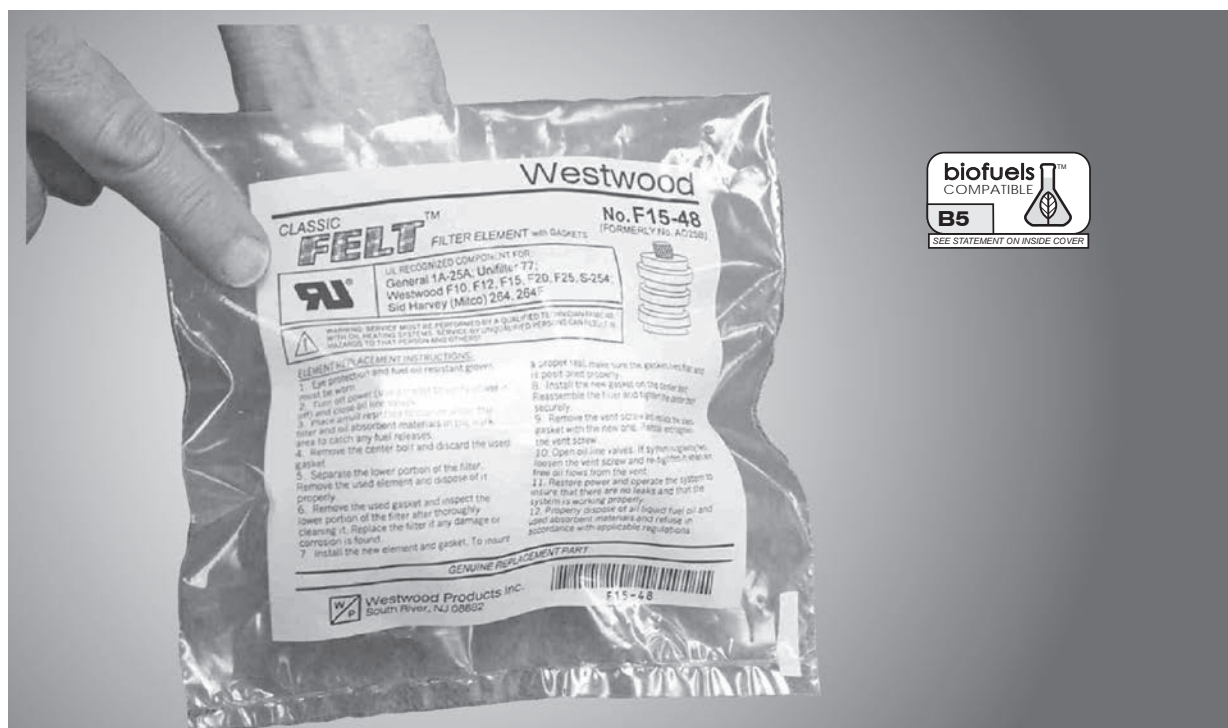


UL Recognized CANISTER UPGRADE KITS on page F12  
Individual FILTER GASKETS on page F11

# F7

rev. 6-13-18

Please order by W/P No.



## USE ONLY UL RECOGNIZED replacement elements



An industry first! Westwood's new line of replacement filter elements are UL Recognized for use in the General 1A-25A, 2A-700A; Unifilter 77, 99; Sid Harvey (Mitco) 264, 265; Fulflo FB4; and Firomatic C-40, C-50

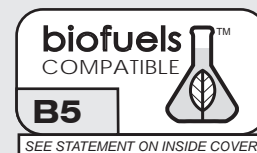
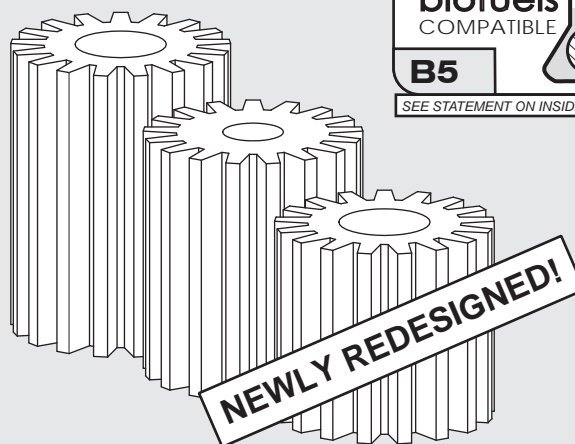
**Be Safe! Always look for the UL Recognized Component symbol**




# Pure Oil™ FILTER ELEMENTS

- ▶ Latest Computer Designed Shape
- ▶ Largest surface area with most filtering ribs
- ▶ Greater capacity - highest in it's class!
- ▶ Fiber-welded for shed free performance
- ▶ Environmentally friendly processed plant fiber
- ▶ Popular elements UL Recognized Components

*The Most Advanced Design...  
With the Most Advanced Material!*



 No.	Reference No.	Description	Fits	QTY PKG
F10-48*	PA-25	Pure-Oil™ Individually bagged with gaskets	General 1A-25A; Unifilter 77; Westwood F10, F12, F15, F20, F25; Sid Harvey (Mitco) 264, 264F	48
F30-24*	-	Pure-Oil™ Individually bagged with gaskets	General 2A-700A; Unifilter 99; Westwood F30, F32, F35, F65, F70; Sid Harvey (Mitco) 265, 265F	24
F80-24*	-	Pure-Oil™ <b>BIG GUY</b> ™ Ind. bag w/gaskets	Fulflo FB4; Westwood F80, F84	24
F80-30*	-	Pure-Oil™ bulk packed less gaskets	Fulflo FB4; Westwood F80, F84	30
F80-36*	P4FO-IB	Pure-Oil™ Individually boxed with gaskets	Fulflo FB4; Westwood F80, F84	36
F80-48*	-	Pure-Oil™ Individually bagged with gaskets	Fulflo FB4; Westwood F80, F84	48
F81-10	-	Pure-Oil™ Individually bagged with gaskets	Fulflo FB6	10
F82-6	-	Pure-Oil™ Individually bagged with gaskets	Fulflo FB8	6
F83-4	-	Pure-Oil™ Individually bagged with gaskets	Fulflo FB10	4
F90-6*	-	Pure-Oil™ Individually bagged with gaskets	Firomatic C-40 (RC-20)	6
F90-12*	-	Pure-Oil™ <b>BIG GUY</b> ™ Ind. bag w/gaskets	Firomatic C-40 (RC-20)	12
F90-36*	PF-20	Pure-Oil™ Individually bagged with gaskets	Firomatic C-40 (RC-20)	36
F91-6*	-	Pure-Oil™ Individually bagged with gaskets	Firomatic C-50 (RC-30)	6
F91-12*	-	Pure-Oil™ <b>BIG GUY</b> ™ Ind. bag w/gaskets	Firomatic C-50 (RC-30)	12
F91-36*	PF-30	Pure-Oil™ Individually bagged with gaskets	Firomatic C-50 (RC-30)	36
F92-6	-	Pure-Oil™ Individually bagged with gaskets	Purolator PF2002	6
F92-36	PP-20	Pure-Oil™ Individually bagged with gaskets	Purolator PF2002	36

\* UL Recognized Component



HOLDS TWICE  
AS MUCH!

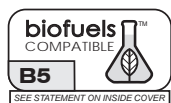
Individual FILTER GASKETS on page F11

# F9

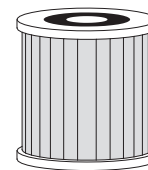
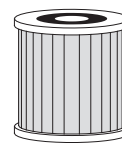


## 10 MICRON FILTER ELEMENTS

Upgrades any standard filter to the performance of a SPIN-ON!



- 10 Micron rating for super fine filtration
- Same type element as used in Spin-Ons
- Advanced collapse-proof design
- UL Recognized Component



No. **F12-12**

No. **F32-12**

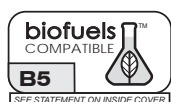
No.	Description	Fits	QTY PKG
<b>F12-12*</b>	Ultra-10™ Indiv. bagged with gaskets	General 1A-25A; Unifilter 77; Westwood F10, F12, F15, F20, F25; Sid Harvey (Mitco) 264, 264F	12
<b>F32-12*</b>	Ultra-10™ Indiv. bagged with gaskets	General 2A-700A; Unifilter 99; Westwood F30, F32, F35, F65, F70; Sid Harvey (Mitco) 265, 265F	12

\* UL Recognized Component

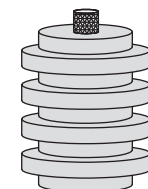
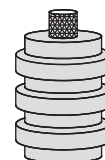
CLASSIC



## STACKED SEGMENT ELEMENTS



- Premium quality precision cut wool felt
- Economical time proven classic design
- UL Recognized Component



No. **F15-36, -48**

No. **F35-12, -24**

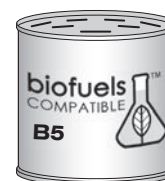
No.	Reference No.	Description	Fits	QTY PKG
<b>F15-36*</b>	A025	CLASSIC FELT™ Indiv. boxed with gaskets	General 1A-25A; Unifilter 77;	36
<b>F15-48*</b>	A025B	CLASSIC FELT™ Indiv. bagged with gaskets	Westwood F10, F12, F15, F20, F25; Sid Harvey (Mitco) 264, 264F	48
<b>F35-12*</b>	-	CLASSIC FELT™ Indiv. bagged with gaskets	General 2A-700A; Unifilter 99;	12
<b>F35-24*</b>	A070	CLASSIC FELT™ Indiv. boxed with gaskets	Westwood F30, F32, F35, F65, F70; Sid Harvey (Mitco) 265, 265F	24

\* UL Recognized Component

## COMMERCIAL ELEMENT for General Filters 2A-300

- Original **Hard to find** sealed can design

No.	Reference No.	Description	Fits	QTY PKG
<b>F75-12</b>	A030	Original sealed can design, individually boxed with gaskets	General 2A-300	12



No. **F75-12**

Individual FILTER GASKETS on page F11

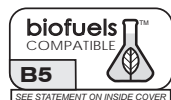
Please order by No.

rev. 6-13-18

# F10



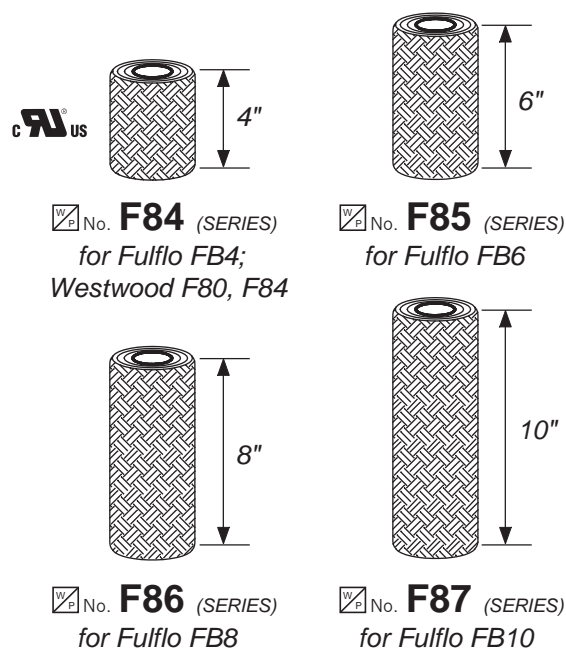
# CLASSIC YARN™ WOUND ELEMENTS



- Premium quality tightly wound yarn
- Economical time proven design
- Popular elements UL Recognized

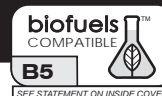
W/P No.	Reference No.	Description	Fits	QTY PKG
F84-30*	4FO-30	Bulk (no gaskets)	Fulflo FB4;	30
F84-36*	4FO-IB	Boxed with gaskets	Westwood	36
F84-48*	4FO-IBG	Bagged with gaskets	F80, F84	48
F85-10	-	Bagged with gaskets	Fulflo FB6	10
F85-30	6FO-30	Bulk (no gaskets)		30
F86-6	-	Bagged with gaskets	Fulflo FB8	6
F86-30	8FO-30	Bulk (no gaskets)		30
F87-4	-	Bagged with gaskets	Fulflo FB10	4
F87-30	10FO-30	Bulk (no gaskets)		30

\* UL Recognized Component



## FUEL FILTER GASKETS

UL Recognized material - Same as used in Westwood's UL Listed filters



W/P No.	Reference No.	Description / Filter Manufacturer and Model Information	Where Used	Material	QTY PKG
<b>New!</b> F80-60	-	Gasket set for Fulflo FB4, FB6, FB8, FB10; Westwood F80, F84 filters; (1 ea. cover, nut, vent), bagged	Cover Nut Vent	Rubber Fiber Fiber	1 1 1
F10-50	CG-25	General 1A-25A; Unifilter 77;	Cover	Rubber	100
F10-52	BG-25	Westwood F10, F12, F15, F20, F25;	Bolt	Fiber	100
F10-54	-	Sid Harvey (Mitco) 264, 264F	Vent	Fiber	100
F10-55	VG-25	Westwood S-254	Vent	Fiber	100
F30-50	CG-70	General 2A-700A; Unifilter 99;	Cover	Rubber	100
F10-52	BG-25	Westwood F30, F32, F35, F65, F70;	Bolt	Fiber	100
F10-54	-	Sid Harvey (Mitco) 265, 265F	Vent	Fiber	100
F75-50	CG-300	General 2A-300	Cover	Rubber	100
F75-56	LG-300		Lower Can	Rubber	100
F80-50	CG-B4	Fulflo FB4, FB6, FB8, FB10;	Cover	Rubber	100
F80-52	BG-4	Westwood F80, F84	Nut	Fiber	100
F80-54	VG-4		Vent	Fiber	100
F90-50	CG-20	Firomatic C-40 (RC-20), C-50 (RC-30)	Cover	Rubber	100
F90-52	BG-20	<b>DISCONTINUED</b>	Bolt	Fiber	100
F92-50	CG-2002	Purolator PF2002	Cover	Rubber	100
F92-52	BG-2002		Bolt	Rubber	100
F92-54	VG-2002		Vent	Fiber	100

# F11



## USE ONLY UL RECOGNIZED replacement canisters

Another industry first! Westwood's new line of replacement canisters are UL Recognized for use on General 1A-25A, 2A-700A; Unifilter 77, Unifilter 99; Sid Harvey (Mitco) 264, 264F, 265, 265F; and Fulflo FB4.

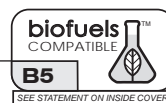
**Be Safe! Always look for the UL Recognized Component symbol**




### CANISTER UPGRADE KITS\*


Epoxy coated canister, element, center bolt, gasket, fiber washers

Service environment: Indoors, 20° to 105° F



 No.	Element Type	Upgrades
F10-5 F15-5	Pure-Oil™ CLASSIC FELT™	General 1A-25A; Unifilter 77; Westwood F10, F12, F15, F20, F25; Sid Harvey (Mitco) 264, 264F
F30-5 F35-5	Pure-Oil™ CLASSIC FELT™	General 2A-700A; Unifilter 99; Westwood F30, F32, F35, F65, F70; Sid Harvey (Mitco) 265, 265F
F80-5 F84-5	Pure-Oil™ <b>BIG GUY™</b> CLASSIC YARN™	FULFLO FB4; Westwood F80, F84

\* All kits contain UL Recognized Component canisters and elements

Please order by  No.

rev. 3-30-17

# F12

Westwood

**STANDARD GAUGE GLASS**




HIGH QUALITY GLASS IN  
**5/8" AND 3/4"**  
 OUTSIDE DIAMETER (O.D.) SIZES

**STANDARD**

Length (inches)	<div> <div>W P</div> No. </div>		Max. PSI Water-Steam (see note 1.)	Length (inches)	<div> <div>W P</div> No. </div>		Max. PSI Water-Steam (see note 1.)
	5/8" 6/Pkg.	3/4" 12/Pkg.			5/8" 6/Pkg.	3/4" 12/Pkg.	
6	H1-6	-	210 - 100	24	H1-24	H2-24	180 - 100
8	H1-8	H2-8	210 - 100	26	-	-	-
10	H1-10	H2-10	205 - 100	28	-	-	-
12	H1-12	H2-12	200 - 100	30	H1-30	-	175 - NR
14	H1-14	H2-14	200 - 100	36	H1-36	H2-36	165 - NR
16	H1-16	H2-16	195 - 100	48	H1-48	H2-48	140 - NR
18	H1-18	H2-18	190 - 100	60	H1-60	-	-
20	H1-20	H2-20	185 - 100	72	-	-	-
22	H1-22	H2-22	180 - 100				

note 1. Maximum Working Pressure (PSI): Water up to 150° F - Steam up to 425° F - NR = Not Recommended

**GAUGE GLASS WASHERS - Standard (Neoprene - Square cut)**

I.D. x O.D. x Thickness	 No.	Ref. No.	 No.	Ref. No.	 No.	Ref. No.
	Pkg. of 12		Pkg. of 50		Pkg. of 100	
9/16" x 13/16" x 1/4"	H6-6	-	H6-8	-	H6-10	GGW-6812
3/4" x 15/16" x 1/4"	H6-11	-	H6-13	-	H6-15	GGW-7102
3/4" x 15/16" x 3/8"	H6-16	-	H6-18	-	H6-20	GGW-7103
3/4" x 15/16" x 1/2"	H6-21	-	H6-23	-	H6-25	GGW-7105



Take a look ...

GAUGE GLASS CUTTERS on page T16

**H1**

Westwood

## HIGH PRESSURE AND RED LINE GAUGE GLASS






HIGH QUALITY GLASS IN  
**5/8" AND 3/4"**

OUTSIDE DIAMETER (O.D.) SIZES




**New!**

In addition to the standard package of 12 pieces, High Pressure and Red Line gauge glass is now available individually packaged in PVC pipe containers for break resistant shipping.

HIGH PRESSURE				RED LINE					
Length (inches)	 No.		Max. PSI Water-Steam (see note 1.)	 No.		Max. PSI Water-Steam (see note 1.)	 No.		Max. PSI Water-Steam (see note 1.)
	5/8" 12/Pkg.	5/8" Individually Packaged		5/8" 12/Pkg.	5/8" Individually Packaged		3/4" 12/Pkg.	3/4" Individually Packaged	
8	H3-8	H3-9	435 - 320	H4-8	H4-9	370 - 285	H5-8	H5-9	360 - 280
10	H3-10	H3-11	420 - 315	H4-10	H4-11	345 - 280	H5-10	H5-11	340 - 275
12	H3-12	H3-13	410 - 305	H4-12	H4-13	335 - 280	H5-12	H5-13	330 - 275
14	H3-14	H3-15	390 - 295	H4-14	H4-15	325 - 275	H5-14	H5-15	320 - 270
16	H3-16	H3-17	375 - 285	H4-16	H4-17	315 - 270	H5-16	H5-17	310 - 265
18	H3-18	H3-19	360 - 280	H4-18	H4-19	305 - 265	H5-18	H5-19	300 - 260
20	H3-20	H3-21	350 - 270	H4-20	H4-21	290 - 265	H5-20	H5-21	285 - 260
24	H3-24	H3-25	320 - 255	H4-24	H4-25	265 - 255	H5-24	H5-25	260 - 250
-	-	-	-	H4-30	H4-31	235 - NR	-	-	-
36	H3-36	H3-37	245 - NR	H4-36	H4-37	205 - NR	H5-36	H5-37	200 - NR
-	-	-	-	H4-48	H4-49	165 - NR	-	-	-
-	-	-	-	H4-60	H4-61	125 - NR	-	-	-
-	-	-	-	H4-72	H4-73	90 - NR	-	-	-

note 1. Maximum Working Pressure (PSI): Water up to 150° F - Steam up to 425° F - NR = Not Recommended

### GAUGE GLASS WASHERS - High Pressure (Lip mold) 300°F

I.D. x O.D. x Thickness	 No.	Ref. No.	 No.	Ref. No.	 No.	Ref. No.
	Pkg. of 12		Pkg. of 50		Pkg. of 100	
5/8" x 7/8" x 9/32"	H6-50	#3 GASKET	H6-52	-	H6-54	-
3/4" x 1-1/8" x 1/2"	H6-55	#33 GASKET	H6-57	-	H6-59	-



Take a look ...

GAUGE GLASS CUTTERS on page T16

Please order by

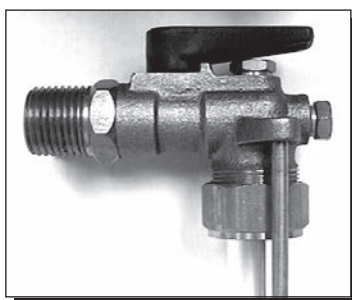
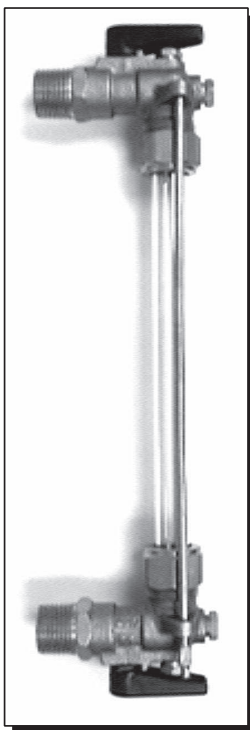
 No.

rev. 9-1-13

# H2


Westwood

## STEAM BOILER PARTS


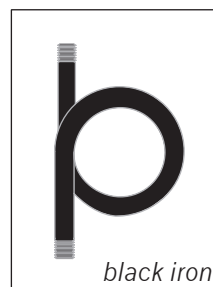
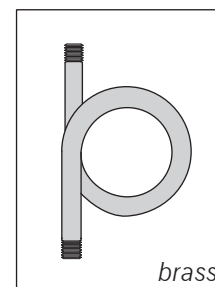
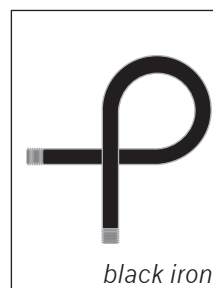
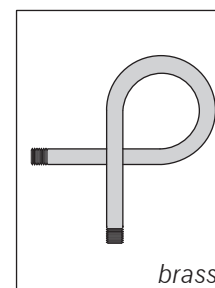
**SUPERIOR DESIGN**

- Quick 90° open & close
- Both valves identical
- Easy clean out plugs
- TEFLON seals
- Brass body ball valve
- 1/2" - NPT Thread
- Pressure rating 100 PSI


 No. H7, -12

 No. H7-15, -20

 No. H7-21

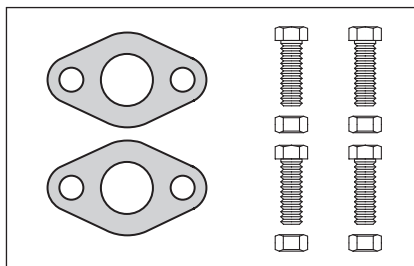
 No. H7-17, -23

 No. H7-50

 No. H7-52

 No. H7-55

 No. H7-57

## STEAM BOILER PARTS

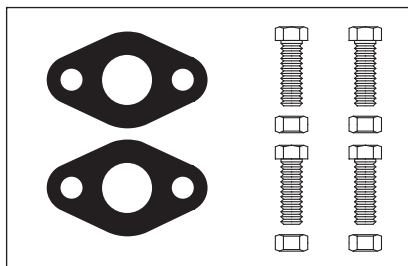
 No.	Ref. No.	Description
H7	GV-22	Gauge Glass Set, 1/2" - NPT, w/Quick Open 90° Ball Valve, TEFLON Seals, Brass, w/10" rods
H7-12	-	Gauge Glass Set, 1/2" - NPT, w/Quick Open 90° Ball Valve, TEFLON Seals, Brass, w/12" rods & glass
H7-15	-	Gauge glass nut, special for H7 and H7-12, package of 2
H7-17	-	Repair Kit for H7 and H7-12, (2) ea. of nuts, friction washers, standard gauge glass washers
H7-20	-	Gauge glass nut, general replacement (not for H7 and H7-12), package of 2
H7-21	-	Gauge glass nut friction washer, universal replacement, package of 6
H7-23	-	Repair Kit, general replacement (not for H7 and H7-12), (2) ea. of nuts, friction washers, standard gauge glass washers
H7-50	-	Straight steam pig tail, black iron, 1/4" - NPT
H7-52	-	Straight steam pig tail, brass, 1/4" - NPT
H7-55	-	90° angle steam pig tail, black iron, 1/4" - NPT
H7-57	-	90° angle steam pig tail, brass, 1/4" - NPT



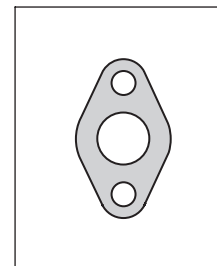
Westwood

**CIRCULATOR & FEEDER PARTS**

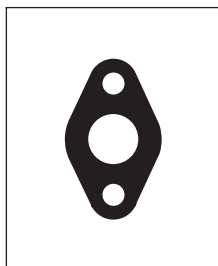
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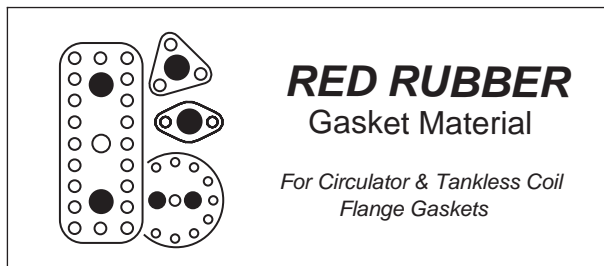
No. H10-1



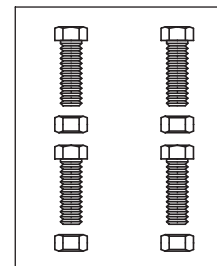
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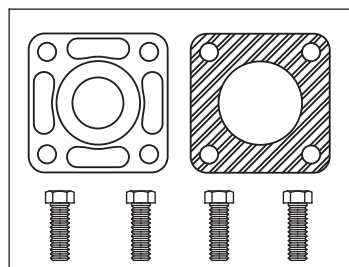
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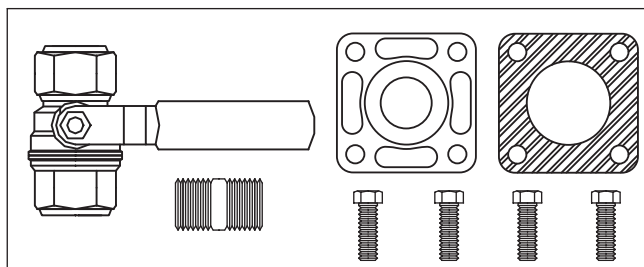
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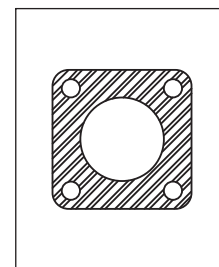
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No. H23



No. H23-1





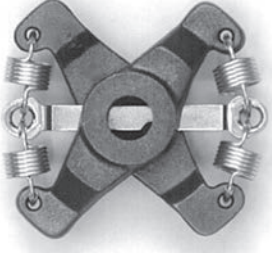


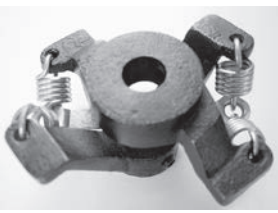
No. H23-4, -6

**BOILER, CIRCULATOR, FEEDER PARTS**

No.	Ref. No.	Description
H10	-	Circulator Flange Gasket Kit, (2) - RED rubber flange gaskets, (4) - 7/16"X1-3/4" bolts w/nuts
H10-1	-	Circulator Flange Gasket Kit, (2) - BLACK neoprene flange gaskets, (4) - 7/16"X1-3/4" bolts w/nuts
H15	-	Taco RED rubber flange gasket, package of 10 gaskets
H15-1	-	Taco RED rubber flange gasket, package of 100 gaskets
H16	-	Taco BLACK neoprene flange gasket, package of 10 gaskets
H16-1	-	Taco BLACK neoprene flange gasket, package of 100 gaskets
H21	-	Flange Gasket Material, Red Rubber, 1/8" Thick X 12" X 24" Sheet
H21-1	-	Flange Gasket Material, Red Rubber, 1/8" Thick X 18" X 36" Sheet
H21-36	-	Flange Gasket Material, Red Rubber, 1/8" Thick X 36" X 50' Roll
H22	-	B&G (small), Taco, Modern Flange Nuts and Bolts, (4) - 7/16" X 1-3/4"
H22-1	-	B&G (large) Flange Nuts and Bolts, (4) - 1/2" X 1-3/4"
H23	-	Dirt pocket cap for McDonnell & Miller (3/4"- NPT) w/gasket and (4) bolts
H23-1	-	Blow Down Kit for McDonnell & Miller (dirt pocket cap, full flow ball valve, nipple, gasket, (4) bolts
H23-4	-	Dirt pocket cap gasket, package of 10 gaskets
H23-6	-	Dirt pocket cap gasket, package of 100 gaskets

Westwood

## COUPLINGS FOR B &amp; G CIRCULATORS

 No.	Ref. No.	Replaces B&G No.	Circ. HP	Description and Representative Picture
H24-10	PD-40	118705 (PZ-4291)	1/12, 1/6	Cast zinc, steel eyelet inserts, standard duty springs, for 1/2" shaft, individually boxed 
H24-15	JK-52	118705 (PZ-4291)	1/12, 1/6	Cast iron, heavy duty cross bar, springs reinforced, for 1/2" shaft, individually boxed 
H24-40	BG-33	118705 (PZ-4291)	1/12, 1/6	FLEXI-LINK spiral spring shock absorbing coupling, no moving parts, compensates for misalignment, quieter operation, for 1/2" shaft, individually bagged 
H24-60	WRM-858	118723 (P2Z-12291)	1/4, 1/3	Cast iron, heavy duty cross bar, heavy duty springs, for 1/2" shaft, individually bagged 
H24-62	WRM-798	118473 (PDZ-12291)	1/2, 3/4	Cast iron, heavy duty cross bar, heavy duty springs, for 1/2" shaft, individually bagged 



Take a look . . .


More parts for CIRCULATORS on page H4


H5

rev. 5-1-07


Please order by  No.




 No. H24-30  
Model 10010  
1/2" x 1/2" Shafts

 No. H24-31  
Model 10010HD  
1/2" x 1/2" Shafts  
(Heavy Duty)




 No. H24-32  
Model 10023  
1/2" x 1/2" or  
1/2" x 5/8" Shafts



 No. H24-34  
Model 10034  
1/2" x 5/8" or  
5/8" x 5/8" Shafts




 No. H24-36  
Model 10045  
1/2" x 1/2" or  
1/2" x 5/8" or  
5/8" x 5/8" Shafts



## The Single Spring Alternative!

### Spirallink™ Coupling Cross Reference Chart

 No.	<b>Spiral</b> <i>link</i> Model	Circulator Model		Motor		Shaft Dia.	OEM Part No.		
		B & G	Armstrong	HP	Rot		B & G	Armstrong	
H24-30	10010	75	S-25	1/12	CCW	1/2 x 1/2	118705 or 189110	806026	
		100							
		125							
		150							
		1-1/2"	S-34	1/6			118723	806168	
		2"	S-35						
		2-1/2" LD3	S-45	1/4			118705 or 189110	806026	
		HV1"	H-32	1/6					
		HV1-1/4" HV1-1/2"							
1" PR	H-41								
H24-31	10010HD	HD3	S-46	1/3	CW	1/2 x 1/2 or 1/2 x 5/8	118473 or 118708 or 09	807436 or 806137	
H24-32*	10023	PD-35	S-55	1/2		1/2 x 5/8 or 5/8 x 5/8	118476 or P77271	812734 or 816665	
		PD-37	S-57	3/4					
H24-34*	10034	PD-38	S-60	1		1/2 x 1/2 or 1/2 x 5/8	118473 or 118709 or P77234	806137	
		PD-39							
		OLD	NEW						
H24-32*	10023	60-1	60-11	H-51		1/4	B & G 1/2 x 1/2	118473	807436
		60-2		H-52		1/3			
		60-3	60-13	H-53		1/2			
		60-4	60-14	H-54	3/4				
H24-34*	10034	60-5	60-15	H-63	1/2	Armstrong 1/2 x 5/8	118709 or P77234	806137	
		60-6	60-16	H-64	3/4				
		60-8		H-66					1
			60-17	H-65					
			60-19	H-67					
H24-32*	10023	Series 1522 1S & 1T thru 17S & 17T			1/4 thru 1/2	1/2 x 1/2 or 1/2 x 5/8	118473 or 118709		
H24-36*	10045	Taco Model	121		CCW	1/2 x 1/2 or 1/2 x 5/8 or 5/8 x 5/8	1624-053RP (Woods 3J or 4J)		
			122	1/4					
			131	1/3					
			132	1/2					
			133	3/4					
			138	1					

\* Comes with appropriate bushing(s) for use with shaft sizes indicated

#### ROTATION INFORMATION

For purposes of this cross-reference, rotation is determined by viewing the motor with the shaft pointing away. In the case of a three phase motor, or a motor that has been repaired, make sure to check motor rotation before installing a new coupling. Running a coupling in the wrong rotation will severely damage the coupling!

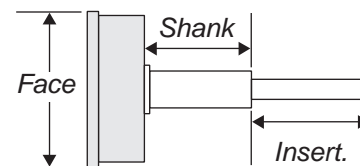
#### GUARANTEE

Spirallink™ couplings are warranted for life when correctly installed in the appropriate circulating pump. If a Spirallink™ coupling should ever fail, simply return it to your place of purchase to receive a free replacement.









Please order by  No.

rev. 9-1-13

# H6

**HYDRONIC GAUGES****Tridicator, Steam, Combination, Altitude, Temperature**

Dimensions and range specifications may vary slightly from those shown

 No.	Ref. No.	Type	Mount	Face	Shank	Insert.	Range / Description	Representative Picture
<b>H25</b>	PTA-224C	Tridicator	1/4" CBM	2-5/8"	7/8"	1"	70°- 320°F, 20°- 160°C 0 - 75 PSI, 0 - 170 Ft H <sub>2</sub> O	
<b>H25-1</b>	PTA-234C		1/4" CBM	2-1/2"	2"	1"		
<b>H25-2</b>	PTA-322C		1/2" CBM	3-1/4"	1-1/4"	1-1/8"		
<b>H25-3</b>	PTA-322L		1/2" LM	3-1/4"	1"	3/4"		
<b>H25-10</b>	5495	Steam gauge	1/4" LM	3-1/2"	-	-	30" Hg. - 30 PSI	
<b>H25-12</b>	5549		1/4" LM	4-1/2"	-	-	30" Hg. - 30 PSI	
<b>H25-15</b>	135393	PT 1088	1/4" CBM	2-1/2"	2"	1-5/8"	70°- 320°F, 75 PSI	
<b>H25-16</b>	135392	Combination	1/4" CBM	2-1/2"	.79"	1.73"	60°- 320°F, 75 PSI	
<b>H25-17</b>	144435	temperature	1/2" LBM	4-1/4"	1-3/4"	2"	60°- 260°F, 50 PSI	
<b>H25-18</b>	144434	and pressure	1/2" LM	4-1/4"	1-1/8"	2"	60°- 260°F, 75 PSI	
<b>H25-19</b>	144826	gauge	1/2" LM	4-1/4"	1-1/8"	2"	80°- 320°F, 200 PSI	
<b>H25-20</b>	144827		1/2" LBM	4-1/4"	1-3/4"	2"	70°- 320°F, 200 PSI	
<b>H25-30</b>	46775	Altitude &	1/4" LM	3-1/2"	-	-	100 PSI, 0 - 231 FT	
<b>H25-31</b>	11498	water level	1/4" LM	4-1/2"	-	-	100 PSI, 0 - 231 FT	
<b>H25-35</b>	11937	gauge	1/4" LM	4-1/2"	-	-	0 - 390 FT	
<b>H25-50<sup>1</sup></b>	T-571	Hot water	1/2" LM	-	1-5/8"	1-3/8"	40°- 280°F, Vertical	
<b>H25-51<sup>2</sup></b>	T-571 Brass	glass tube	1/2" LM	-	1-1/8"	1-3/8"	40°- 260°F, Vertical	
<b>H25-52<sup>1</sup></b>	HWT-A	thermometer	1/2" LBM	-	1-1/8"	1-3/8"	40°- 280°F, Vertical	
<b>H25-53<sup>2</sup></b>	T-572 Brass		1/2" LBM	-	1-1/8"	1-3/8"	40°- 280°F, Vertical	
<b>H25-54</b>	T-1050	Hot water thermometer	1/2" LM	3-1/2"	1"	2"	60°- 260°F	
<b>H25-90<sup>3</sup></b>	HWT-D	Dial	CBM	2-1/2"	3/4"	1-1/4"	32°- 248°F	
<b>H25-92<sup>4</sup></b>	-	Thermometer	CBM	2-1/2"	-	2"	32°- 248°F	
<b>H25-96<sup>5</sup></b>	-		CBM	2-1/2"	-	-	0°- 250°F	

<sup>1</sup> Steel immersion well

<sup>2</sup> Brass immersion well

<sup>3</sup> 1/2"- NPT(M) pipe mount (pictured at right)

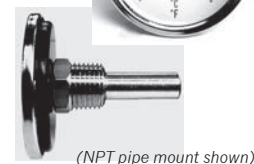
<sup>4</sup> 3/4" CWT sweat mount (detachable mount soldered in place)

<sup>5</sup> Surface mount (retaining spring for mounting included)

CBM = Center back mount

LBM = Low back mount

LM = Low mount (bottom)



Take a look . . .

MORE GAUGES in Service Supplies Section starting on page S10

rev. 3-20-17

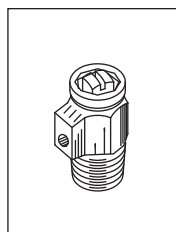
**H7**

Please order by

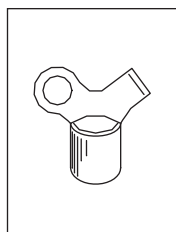


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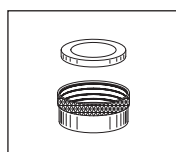
## MISC. PARTS &amp; IMMERSION WELLS



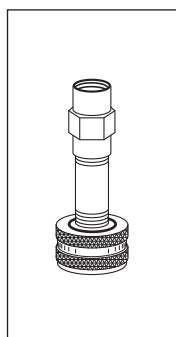
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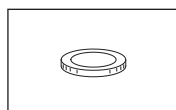
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W/P No. H31



W/P No. H35

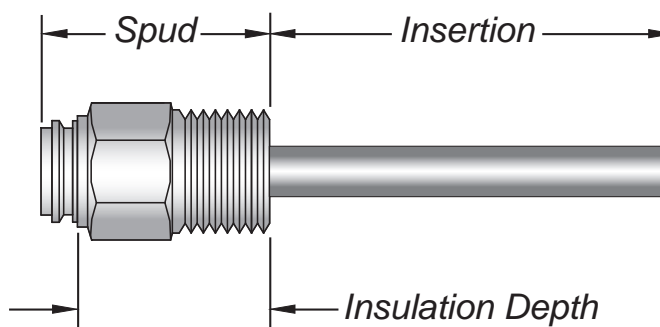


W/P No. H31-1

## IMMERSION WELLS

EXACT REPLACEMENT FOR HONEYWELL

Solid brass spud with copper insertion



W/P No. H50 (Series)

## RADIATOR VENT &amp; KEY, HOSE CAP, HOSE ADAPTOR

W/P No.	Thread Size	Description	QTY PKG
H30	1/8" - NPT	Radiator bleed valve, plated finish, coin/key/screwdriver operated	6
H30-1	-	Radiator bleed key, square socket and screwdriver	6
H31	Garden hose (F)	Garden hose cap, brass with washer	10
H31-1	-	Garden hose washer only	10
H35	Garden hose (F) x 1/4" - NPT (F or M)	Gauge adaptor for measuring water pressure	1

## IMMERSION WELLS - Brass spud, copper insertion

W/P No.	Replaces Honeywell	Pipe Size (Male NPT)	Insertion Diameter	Insertion Length	Insulation Depth (ins.)	Comments
H50	121371A 123869A	1/2"	3/8"	3"	1-1/2"	Used with: L4006, L6006, L8124, L8148, R8182D, E, F
H50-1	121371B 123870A	3/4"	3/8"	3"	1-1/2"	Used with: L4006, L6006, L8124, L8148, R8182D, E, F
H50-2	122555A	3/4"	3/8"	3"	4-1/2"	Long spud for water heaters
H50-3	122555E	3/4"	3/8", 5/8"	3"	4-1/2"	Plastic sleeve on insertion
H50-4	121371M	3/4"	3/8"	3"	3"	Long spud for water heaters
H50-5	121371L	1/2"	3/8"	3"	3"	Long spud for water heaters



Westwood

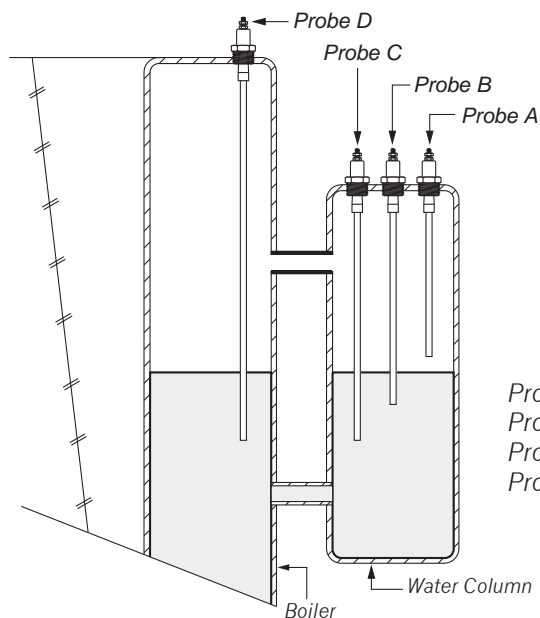
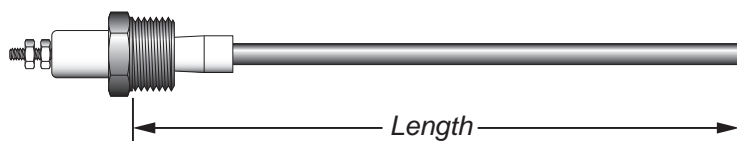
## LIQUID LEVEL PROBES for FULTON BOILERS

## COMPLETE REPLACEMENT PROBE KITS (Kits contain 1 each of Probe A, B, C, D)

**New**  
Part Numbers  
Added!

W/P No.	Ref. No.	Boiler Description	Thread (NPT)	Kit Contains			
				Probe A	Probe B	Probe C	Probe D
H75	FP3-M1	Miniature, 2 & 4 HP (prior to April 5, 1965)	3/8"	H75-850	H75-1000	H75-1125	H75-1200
H75-1	FP3-R1	Regular, 6 to 30 HP (prior to Aug. 1, 1964)	3/8"	H75-625	H75-825	H75-975	H75-1325
H76	FP2-M2	Miniature, 2 & 4 HP (after April 5, 1965)	1/2"	H76-950	H76-1100	H76-1225	H76-1300
H76-1	FP2-R2	Regular, 6 to 30 HP (after Aug. 1, 1964)	1/2"	H76-725	H76-925	H76-1075	H76-1425
H76-2	FP2-E1	Series E, 4 HP	1/2"	H76-950	H76-1100	H76-1225	H76-1300
H76-3	FP2-E2	Series E, 6 to 100 HP	1/2"	H76-725	H76-925	H76-1075	H76-1625
H76-4	-	Oil/Gas fired steam, 4 HP	1/2"	H76-525	H76-725	H76-925	H76-1712
H76-5	-	Oil/Gas fired steam, 6 to 100 HP	1/2"	H76-725	H76-925	H76-1125	H76-1712
H76-6	-	Electric steam, 1.2 to 3.6 HP	1/2"	H76-950	H76-1050	H76-1150	H76-1150
H76-7	-	Electric steam, 5 to 20 HP	1/2"	H76-1150	H76-1300	H76-1500	H76-1500
H76-8	-	Electric steam, 30 to 100 HP	1/2"	H76-725	H76-925	H76-1125	H76-1600
H76-9	-	Pulse VLP, 750kBtu to 1,150kBtu	1/2"	H76-700	H76-800	H76-900	H76-1950
H76-10	-	VMP, 40 to 150 HP	1/2"	H76-725	H76-925	H76-1125	H76-400

## INDIVIDUAL REPLACEMENT PROBES



Probe A - Pump off  
Probe B - Pump on  
Probe C - LWC in water column  
Probe D - LWC in boiler

3/8" - NPT	
W/P No.	Length
H75-625	6-1/4"
H75-825	8-1/4"
H75-850	8-1/2"
H75-975	9-3/4"
H75-1000	10"
H75-1125	11-1/4"
H75-1200	12"
H75-1325	13-1/4"

1/2" - NPT	
W/P No.	Length
H76-400	4"
H76-525	5-1/4"
H76-700	7"
H76-725	7-1/4"
H76-800	8"
H76-900	9"
H76-925	9-1/4"
H76-950	9-1/2"
H76-1050	10-1/2"
H76-1075	10-3/4"
H76-1100	11"
H76-1125	11-1/4"
H76-1150	11-1/2"
H76-1225	12-1/4"
H76-1300	13"
H76-1425	14-1/4"
H76-1500	15"
H76-1600	16"
H76-1625	16-1/4"
H76-1712	17-1/8"
H76-1950	19-1/2"



Take a look ...

MORE LIQUID LEVEL PROBES on pages E22 - E23

H9

# BRAZED PLATE HEAT EXCHANGERS


For radiant heating, domestic hot water, snow melting, heat zoning, fuel pre-heating, and general shell & tube replacement



- ▶ All 316 Stainless Steel with copper brazing
- ▶ Maximum pressure 450 PSI, temperature 365° F
- ▶ UL Listed (US and Canada), CSA Approved
- ▶ Mounting brackets and insulation kits available




**GENERAL APPLICATION** Many more sizes and styles available. Consult the factory for detailed specifications


 No.	No. of Plates	BTUH (1,000's)*				Pipe Connections (Male NPT)	Approximate Dimensions & Weight			
		Radiant Heat	Heat Zoning	Domestic Hot Water	Snow Melting		Height (in.)	Width (in.)	Depth (in.)	Weight (lbs.)
H101-10	10	38	38	113	50	3/4"	8	2-7/8	1-1/2	2.8
H101-14	14	52	53	155	70	3/4"	8	2-7/8	1-7/8	3.2
H101-20	20	72	73	220	98	3/4"	8	2-7/8	2-3/8	3.8
H101-30	30	103	103	310	140	3/4"	8	2-7/8	3-5/16	5.0
H103-14	14	85	87	255	115	1"	6-3/4	4-7/8	1-7/8	4.5
H103-20	20	120	122	360	160	1"	6-3/4	4-7/8	2-3/8	5.3
H103-40	40	230	229	685	310	1"	6-3/4	4-7/8	4-1/4	7.8
H104-10	10	41	41	122	55	1"	13	4-7/8	1-1/2	6.2
H104-14	14	57	58	170	76	1"	13	4-7/8	1-7/8	7.2
H104-24	24	97	97	290	130	1"	13	4-7/8	2-3/4	9.8
H104-30	30	120	122	360	160	1"	13	4-7/8	3-5/16	11.4
H104-50	50	195	195	585	260	1"	13	4-7/8	5-1/4	16.6

\* Ratings @ temperatures shown in Table 1 on next page.

## DOUBLE WALL VENTED - Protects against cross fluid contamination

 No.	No. of Plates	BTUH (1,000's)*				Pipe Connections (Male NPT)	Approximate Dimensions & Weight			
		Radiant Heat	Heat Zoning	Domestic Hot Water	Snow Melting		Height (in.)	Width (in.)	Depth (in.)	Weight (lbs.)
H105-14	14	48	50	147	66	1"	20-7/8	4-7/8	1-7/8	11.8
H105-20	20	70	71	210	95	1"	20-7/8	4-7/8	2-3/8	15.0
H105-30	30	105	106	310	140	1"	20-7/8	4-7/8	3-5/16	20.3
H105-50	50	170	171	510	230	1"	20-7/8	4-7/8	5-1/4	31.0
H105-80	80	255	260	770	340	1"	20-7/8	4-7/8	8	47.0
H105-100	100	300	305	910	410	1"	20-7/8	4-7/8	10	57.5

\* Ratings @ temperatures shown in Table 1 on next page.


Please order by  No.

rev. 1-1-09

# H10

# BRAZED PLATE HEAT EXCHANGERS (CONTINUED)

## HIGH CAPACITY

 No.	No. of Plates	BTUH (1,000's)*				Pipe Connections (Male NPT)	Approximate Dimensions & Weight			
		Radiant Heat	Heat Zoning	Domestic Hot Water	Snow Melting		Height (in.)	Width (in.)	Depth (in.)	Weight (lbs.)
H107-20	20	265	270	785	350	2"	20-7/8	10-5/8	2-3/8	38.6
H107-24	24	310	320	940	420	2"	20-7/8	10-5/8	2-3/4	43.8
H107-30	30	380	390	1,150	520	2"	20-7/8	10-5/8	3-5/16	51.8
H107-40	40	500	508	1,500	670	2"	20-7/8	10-5/8	4-1/4	65.0
H107-50	50	590	602	1,785	800	2"	20-7/8	10-5/8	5-1/4	78.2
H107-60	60	685	680	2,000	920	2"	20-7/8	10-5/8	6-3/16	91.4
H107-100	100	885	885	2,600	1,200	2"	20-7/8	10-5/8	10	144.2
H107-120	120	930	925	2,750	1,270	2"	20-7/8	10-5/8	11-7/8	170.6
H107-150	150	960	950	2,850	1,330	2"	20-7/8	10-5/8	14-3/4	210.2

\* Ratings @ temperatures shown in Table 1.

## AEROFLEX PRESSURE SENSITIVE INSULATION KITS

No. of Plates	Heat Exchanger Series				
	H101	H103	H104	H105	H107
10	H111-10	—	H114-10	—	—
14	H111-14	H113-14	H114-14	H115-14	—
20	H111-20	H113-20	—	H115-20	H117-20
24	—	—	H114-24	—	H117-24
30	H111-30	—	H114-30	H115-30	H117-30
40	—	H113-40	—	—	H117-40
50	—	—	H114-50	H115-50	H117-50
60	—	—	—	—	H117-60
80	—	—	—	H115-80	—
100	—	—	—	H115-100	H117-100
120	—	—	—	—	H117-120
150	—	—	—	—	H117-150



Many more sizes and styles of heat exchangers are available. Call for more information.

TABLE 1 - Temperatures for BTUH ratings shown

Heat Exchanger Connected to	Heat Exchanger			
	Input Side (boiler)		Output Side <sup>1</sup>	
	In	Out	In	Out
Radiant Heat	180°F	140°F	90°F	110°F
Heat Zoning	180°F	160°F	150°F	170°F
Domestic Hot Water	180°F	120°F	60°F	120°F
Snow Melting <sup>2</sup>	180°F	140°F	100°F	130°F

<sup>1</sup>Output side pressure drop  $\approx$  2 psi

<sup>2</sup>40% Glycol in melt loop

### NOTE

The heat exchanger BTUH ratings shown are very conservative, and were derived using familiar system temperatures, flow rates, and pressure drops.

For each heat exchanger, the BTUH output can be greatly increased by choosing different system design temperatures and increasing flow rates.

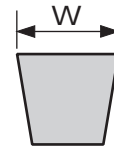
**MAX-DRIVE****V-BELTS****OIL & HEAT RESISTANT**


Rugged polyester cord and neoprene construction with specially treated natural and synthetic elastomeric compounds make the **MAX-DRIVE** V-belt the ideal choice for heavy loads under extreme heat or for constant exposure to oil.


When replacing a V-belt, always clean pulley grooves and check that shafts are parallel and pulley alignment is correct.

Standard V-Belt Types


	<b>3L</b>	<b>4L</b>	<b>5L</b>
W	3/8"	1/2"	21/32"



Outside Length (inches)	 No.		
	<b>3L</b>	<b>4L</b>	<b>5L</b>
20	S30-20	S40-20	-
21	S30-21	S40-21	-
22	S30-22	S40-22	-
23	S30-23	S40-23	S50-23
24	S30-24	S40-24	S50-24
25	S30-25	S40-25	S50-25
26	S30-26	S40-26	S50-26
27	S30-27	S40-27	S50-27
28	S30-28	S40-28	S50-28
29	S30-29	S40-29	S50-29
30	S30-30	S40-30	S50-30
31	S30-31	S40-31	S50-31
32	S30-32	S40-32	S50-32
33	S30-33	S40-33	S50-33
34	S30-34	S40-34	S50-34
35	S30-35	S40-35	S50-35
36	S30-36	S40-36	S50-36
37	S30-37	S40-37	S50-37
38	S30-38	S40-38	S50-38
39	S30-39	S40-39	S50-39

Outside Length (inches)	 No.		
	<b>3L</b>	<b>4L</b>	<b>5L</b>
40	S30-40	S40-40	S50-40
41	S30-41	S40-41	S50-41
42	S30-42	S40-42	S50-42
43	S30-43	S40-43	S50-43
44	S30-44	S40-44	S50-44
45	S30-45	S40-45	S50-45
46	S30-46	S40-46	S50-46
47	S30-47	S40-47	S50-47
48	S30-48	S40-48	S50-48
49	S30-49	S40-49	S50-49
50	S30-50	S40-50	S50-50
51	S30-51	S40-51	S50-51
52	S30-52	S40-52	S50-52
53	S30-53	S40-53	S50-53
54	S30-54	S40-54	S50-54
55	S30-55	S40-55	S50-55
56	S30-56	S40-56	S50-56
57	S30-57	S40-57	S50-57
58	S30-58	S40-58	S50-58
59	S30-59	S40-59	S50-59
60	S30-60	S40-60	S50-60



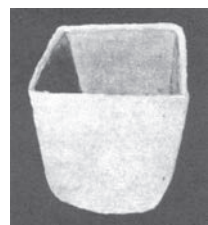
**SPECIAL FOR LENNOX BURNER**

 No.	Ref. No.	Lennox Burner No.	Belt Type	Outside Length
S20-16	VB-1049	DV-1049	2L - Cogged	16"

# Westwood ceramic fibre chambers

SOUND ABSORBING • RED HOT IN SECONDS • FIRES DRY • 2,300° - 3,000°F


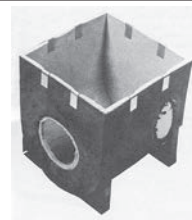
## WET COMBUSTION CHAMBER LINERS - Sealed in a plastic bag and individually boxed\*

 No.	Ref. No.	Type		GPH	Description and Representative Picture			
S70-9 S70-10 S70-11 S70-12 S70-13 S70-15	#9 #10 #11 #12 #13 #15	Wet	<b>Westwood</b> <i>Round - Preshaped</i>	.50 - .75 .85 - 1.00 1.10 - 1.25 1.35 - 1.50 1.65 - 1.85 2.00 - 2.50	9" diameter, 12" high 10" diameter, 12" high 11" diameter, 12" high 12" diameter, 12" high 13" diameter, 14" high 15" diameter, 14" high			
S70-25 S70-27	#135 #200			Wet	<b>Westwood</b> <i>Rect. - Preshaped</i>	.75 - 1.35 1.35 - 2.00	14" x 11" x 12" 14" x 12" x 12"	
S70-30 S70-35 S70-40 S70-45	#1 #2 #3 #4					Wet	<b>Westwood</b> <i>Flat sheet(s)</i>	1.25 2.50 2.65 1.25

\*Wet chambers have a shelf life and should be ordered such that they are not held in inventory longer than 6 months.

## J-M Cerafelt™ Dry Refractory Liners

### DRY COMBUSTION CHAMBER LINERS

<div><div>W P</div>No.</div>	Ref. No.	Type		GPH	Description and Representative Picture	
S70-50	141608	Dry	Cerafelt blanket	-	1/4" x 16" x 8 ft.	
S70-51	141612			-	1/4" x 16" x 12 ft.	
S70-53	-			-	1/4" x 48" x 20 ft.	
S70-60	SS Kit	Dry	Cerafelt SS Kit (For lining burned out stainless steel combustion chambers)	.50 - 1.75	(1) - 14" x 48" (1) - 16" x 33" (8) - Stainless Steel Clips	




Westwood

**HIGH TEMPERATURE ROPE***NON-ASBESTOS • KNITTED FIBERGLASS*


This strong, flexible, resilient knit-braided rope is ideal for industrial boilers, cast iron boilers, wood burning stoves, ovens, and furnaces. Will not "bloom" or untwist like braided twisted glass rope. Made of 100% texturized fiberglass, it will not burn or support combustion. Resists temperatures to 1,000° F.

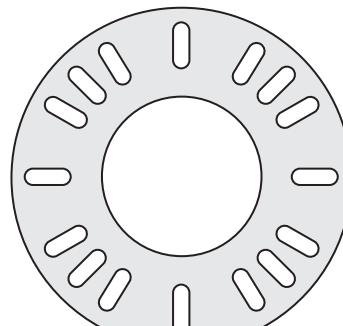
**NON-ASBESTOS HIGH TEMPERATURE ROPE**

 No.	Type	Description	Length
S70-101	Round	1/4" diameter	10 ft.
S70-102	Round	1/4" diameter	25 ft.
S70-104	Round	3/8" diameter	10 ft.
S70-106	Round	3/8" diameter	25 ft.
S70-108	Round	1/2" diameter	10 ft.
S70-110	Round	1/2" diameter	25 ft.
S70-111	Round	3/4" diameter	10 ft.
S70-112	Round	3/4" diameter	25 ft.
S70-114	Round	1" diameter	10 ft.
S70-116	Round	1" diameter	25 ft.
S70-140	Flat	1" wide x 1/8" thick	25 ft.
S70-142	Flat	1" wide x 1/8" thick with adhesive backing	100 ft.
S70-150	Flat	2" wide x 1/8" thick	25 ft.
S70-152	Flat	2" wide x 1/8" thick with adhesive backing	100 ft.

*Other types and sizes of high temperature materials are available on special order. Consult the factory for price and availability.*

**BECKETT BURNER FLANGE GASKET**

 No.	Description
S70-170	Gasket for Beckett and Aero burner flange 8-1/2" OD x 3-5/16" ID



Westwood


**ONE PIECE MOTOR COUPLINGS**

HEAVY DUTY FOR GENERAL USE ON BURNERS AND MOTOR DRIVEN EQUIPMENT




Rugged, precision machined end pieces are held in place by heavy steel collars. Set screws at each end insure that there is no slippage on the shaft flats. Quiet, noise and vibration absorbing, these premium couplings out-perform conventional couplings where misalignment exists or where punishing service is the norm. Available for 1/2" x 7/16" and 1/2" x 5/16" shaft sizes, or 7/16" shaft x spline socket.

**ONE PIECE COUPLINGS**

Length	 No.		
	1/2" x 7/16"	1/2" x 5/16"	7/16" x Spline
2"	S80-200*	S81-200*	-
2-3/8"	S80-237	S81-237*	-
2-1/2"	S80-250*	S81-250*	-
3"	S80-300*	S81-300*	S82-300*
3-1/4"	S80-325	S81-325*	S82-325
3-3/8"	S80-337	S81-337*	S82-337
3-1/2"	S80-350*	S81-350	S82-350
4"	S80-400*	S81-400	S82-400*
4-1/2"	S80-450*	S81-450	S82-450
5"	S80-500	S81-500	S82-500*
5-1/2"	S80-550	S81-550	S82-550
6"	S80-600	S81-600	S82-600
6-1/2"	S80-650	S81-650	S82-650
7"	S80-700	S81-700	S82-700
7-1/2"	S80-750	S81-750	S82-750
8"	S80-800	S81-800	S82-800

\* Included in One Piece Coupling Kit No. S83-200, shown below

**REDUCER BUSHING & COUPLING KIT**

 No.	Ref. No.	Description
S83-10	Reducer Bushing	5/16" I.D. x 7/16" O.D. bushing
S83-200	1890	One piece coupling kit containing those couplings marked with an asterisk above, plus (6) S83-10 reducer bushings

Westwood

**Nylo-Flex™ BURNER COUPLINGS**

EASILY INSTALLED 3 PIECE COUPLING • NO SET SCREWS




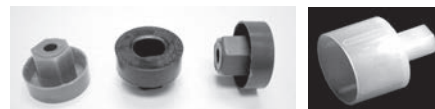
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Assemble

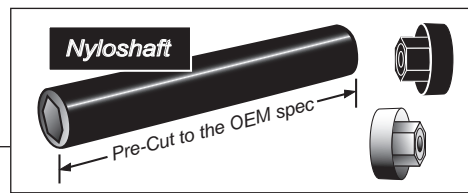
Chosen by top service professionals and original equipment (oem) burner manufacturers. Three piece design allows for custom fit in all installations.


**Nylo-Flex™ COMPONENTS**

 No.	Reference No.	Description and Representative Picture
S85-6	6" Nyloshaft	Nylo-Flex™ 6" Nyloshaft center piece
S85-10	10" Nyloshaft	Nylo-Flex™ 10" Nyloshaft center piece
S85-12	12" Nyloshaft	Nylo-Flex™ 12" Nyloshaft center piece
S85-15	15" Nyloshaft	Nylo-Flex™ 15" Nyloshaft center piece
S85-30	30" Nyloshaft	Nylo-Flex™ 30" Nyloshaft center piece
S85-100	Red End Fitting	Nylo-Flex™ 5/16" shaft size end piece, RED
S85-110	Blue End Fitting	Nylo-Flex™ 7/16" shaft size end piece, BLUE
S85-120	Black End Fitting	Nylo-Flex™ 1/2" shaft size end piece, BLACK
S85-130	TA	Nylo-Flex™ Torrington adapter, 1/2" shaft

**Nylo-Flex™ OEM SPEC COUPLINGS\***

Two end pieces, plus a Nyloshaft correctly cut to OEM specs



 No.	Description
S85-200	Nylo-Flex™ Pre-cut Coupling for Beckett AF (2454), 1/2" & 5/16" Ends, 3-13/32" Nyloshaft
S85-210	Nylo-Flex™ Pre-cut Coupling for Beckett (2290), 1/2" & 7/16" Ends, 2-7/8" Nyloshaft
S85-220	Nylo-Flex™ Pre-cut Coupling for Carlin 99-100 (99RA10208), 1/2" & 5/16" Ends, 2-3/16" Nyloshaft
S85-222	Nylo-Flex™ Pre-cut Coupling for Carlin (99RA5220), 1/2" & 7/16" Ends, 3-1/16" Nyloshaft
S85-223	Nylo-Flex™ Pre-cut Coupling for Carlin CRDA (1020J), 1/2" & 7/16" Ends, 2-3/4" Nyloshaft
S85-224	Nylo-Flex™ Pre-cut Coupling for Carlin 1020 (A Pump), 1/2" & 5/16" Ends, 2-11/32" Nyloshaft
S85-225	Nylo-Flex™ Pre-cut Coupling for Ducane (B1011503), 1/2" & 5/16" Ends, 3-13/16" Nyloshaft
S85-227	Nylo-Flex™ Pre-cut Coupling for Lennox (65A4101), 1/2" & 5/16" Ends, 3-5/8" Nyloshaft
S85-229	Nylo-Flex™ Pre-cut Coupling for Wayne E (13279), 1/2" & 5/16" Ends, 4-5/16" Nyloshaft
S85-230	Nylo-Flex™ Pre-cut Coupling for Wayne (13424), 1/2" & 5/16" Ends, 3-13/16" Nyloshaft
S85-231	Nylo-Flex™ Pre-cut Coupling for Wayne M, 1/2" & 5/16" Ends, 3-1/4" Nyloshaft

\* Each coupling individually sealed in a plastic bag and labeled



Take a look ...

Nylo-Flex™ COUPLING KITS on page S6

Please order by



No.

rev. 9-1-13


**S5**


Westwood

**Nylo-Flex™ BURNER COUPLINGS**

THE WIDEST SELECTION TO MEET ALL SERVICING NEEDS


**COUPLING  
KITS**
 No. S85-500

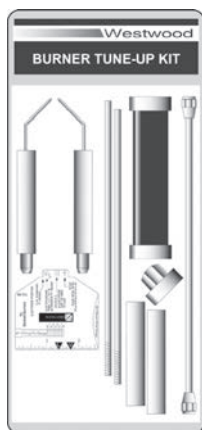
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 No. S85-510

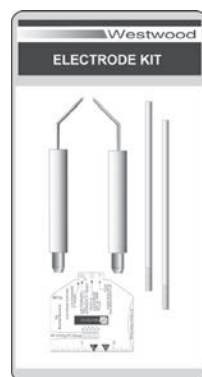
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 No. S85-560
**Nylo-Flex™ COUPLING KITS**

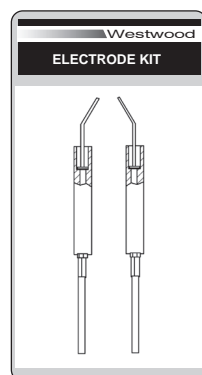
 No.	Ref. No.	Quantity of End Pieces			Nyloshaft Quantity & Length	S85-130 Torrington Adapter	T100-300 Coupler Popper™	T100-310 Coupling Cutter	Molded Plastic Box
		1/2"	7/16"	5/16"					
S85-500	#88	1	1	1	1 - 6"	-	-	-	-
S85-502	-	1	1	1	1 - 12"	-	-	-	-
S85-510	#99A	2	2	1	1 - 6"	-	-	-	-
S85-520	#101	2	1	2	1 - 6"	-	-	-	-
S85-525	-	8	6	5	6 - 6"	-	-	-	-
S85-530	#1240	16	8	8	8 - 9"	-	-	-	YES
S85-540	#1240C	16	8	8	8 - 9"	-	-	-	-
S85-550	#1242	16	8	8	8 - 9"	-	YES	YES	YES
S85-560	#1250	12	12	5	12 - 6"	5	-	-	-
S85-570	#1251	12	12	5	12 - 6"	5	YES	-	-



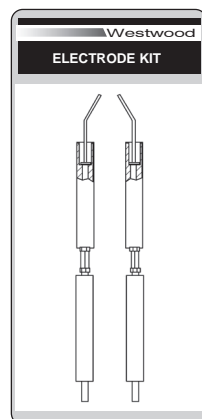
W/P No. S88-14



W/P No. S88-20



W/P No. S88-36

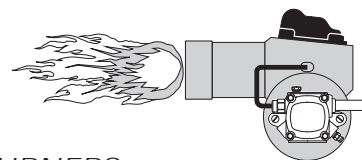


W/P No. S88-38

Westwood

## BURNER TUNE-UP KITS

A REAL TIME SAVER FOR THE MOST POPULAR BURNERS



### TUNE-UP & ELECTRODE KITS

W/P No.	Ref. No.	Description
S88-10	BK5780	<b>TUNE-UP KIT for Beckett AF, AFG, AR, SF, SR (up to 9" air tube)</b> 2 - Electrode assemblies 1 - 12" oil line assembly 1 - Pump coupling kit S85-500 2 - Extension rods with nuts 1 - TG-99 tip setting gauge 2 - Hex connectors
S88-12	NBK5780	<b>TUNE-UP KIT for Beckett AF, AFG, AR, SF, SR (up to 9" air tube)</b> 2 - Electrode assemblies 1 - 12" oil line assembly 1 - Pump coupling kit S85-500 2 - Extension rods with nuts 1 - TG-99 tip setting gauge 1 - NAS gauge™ B-1 nozzle gauge 2 - Hex connectors
S88-14	BK5782	<b>TUNE-UP KIT for Beckett AF, AFG, AR, SF, SR (over 9" air tube)</b> 2 - Electrode assemblies 1 - 12" oil line assembly 2 - E5-2M4 insulators 1 - Pump coupling kit S85-500 2 - Extension rods with nuts 1 - TG-99 tip setting gauge 2 - Hex connectors
S88-16	NBK5782	<b>TUNE-UP KIT for Beckett AF, AFG, AR, SF, SR (over 9" air tube)</b> 2 - Electrode assemblies 1 - 12" oil line assembly 2 - E5-2M4 insulators 1 - Pump coupling kit S85-500 2 - Extension rods with nuts 1 - TG-99 tip setting gauge 1 - NAS gauge™ B-1 nozzle gauge 2 - Hex connectors
S88-20	W5780	<b>ELECTRODE KIT for Beckett AF, AFG, SF, SR (up to 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Hex Connectors 1 - TG-99 tip setting gauge
S88-22	W5781	<b>ELECTRODE KIT for Beckett A and S (up to 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Hex Connectors
S88-24	W5782	<b>ELECTRODE KIT for Beckett AF, AFG, SF, SR (over 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Insulators 2 - Hex Connectors 1 - TG-99 tip setting gauge
S88-26	W5783	<b>ELECTRODE KIT for Beckett AQ and S (over 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Insulators 2 - Hex Connectors
S88-28	W5940	<b>ELECTRODE KIT for Beckett MB and MD (up to 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Hex Connectors 1 - TG-99 tip setting gauge
S88-32	51484U	<b>ELECTRODE KIT for Beckett AF II, HLX (up to 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Hex Connectors 1 - TG-99 tip setting gauge
S88-34	51670U	<b>ELECTRODE KIT for Beckett AF II, FBX (up to 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Hex Connectors 1 - TG-99 tip setting gauge
S88-36	BK-1	<b>ELECTRODE KIT for Beckett AF, AFG, AR, SF, SR (up to 9" air tube)</b> 2 - Beckett 1510 electrodes 2 - 3/16" x 6" buss bar rods 2 - 10-32 nuts 2 - Hex Connectors
S88-38	BK-2	<b>ELECTRODE KIT for Beckett AF, AFG, AR, SF, SR (all size air tube)</b> 2 - Beckett 1510 electrodes 2 - 3/16" x 13" buss bar rods 2 - E5-2M4 insulators 2 - 10-32 nuts 2 - Hex Connectors
S88-40		<b>ELECTRODE KIT for Beckett CF500, CF800, up to 9"</b> 2 - Electrode assemblies 1 - Instruction sheet

Packaging may vary from that shown

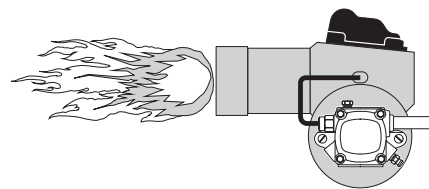
Please order by W/P No.

rev. 11-29-17

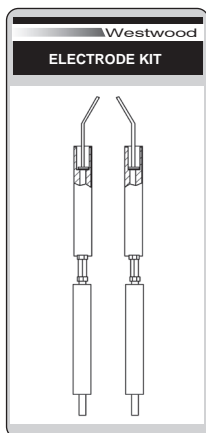
S7



Westwood

**BURNER TUNE-UP KITS**

A REAL TIME SAVER FOR THE MOST POPULAR BURNERS  
**TUNE-UP & ELECTRODE KITS (Continued)**



No. **S88-38**



No. **S88-74**



No. **S88-78**

No. **S88-80**

No.	Ref. No.	Description
S88-42		<b>ELECTRODE KIT for Beckett CF500, CF800, over 9"</b>
		2 - Electrode assemblies 1 - Instruction sheet
S88-44		<b>ELECTRODE KIT for Beckett CF1400, CF3500</b>
		2 - Electrode assemblies
S88-46		<b>ELECTRODE KIT for Beckett NX</b>
		2 - Electrode assemblies 2 - Couplings 2 - Rod extensions 4-7/8" long 1 - Instructions 2 - Rod extensions 2-7/8" long
S88-48		<b>ELECTRODE KIT for Beckett CF375</b>
		2 - Electrode assemblies 1 - Instructions 2 - Support insulators
S88-50		<b>TUNE-UP KIT for Carlin 98 - 102, Elite, 201CRD, 301CRD</b>
		2 - Electrode assemblies 1 - Yellow tip setting gauge 1 - 12" oil line assembly 1 - Pump coupling kit S85-500 1 - Red tip setting gauge 1 - Instructions
S88-60	WMK-100	<b>TUNE-UP KIT for Weil McLain burner</b>
		1 - One piece electrode assembly 1 - Coupling 2 - Ignition cable leads 1 - Oil line assembly
S88-70	31156	<b>TUNE-UP KIT for Wayne ER, ERA, EH, EHA, EHASR, M, MSR, MH, OE, OEA</b>
		2 - Electrode stems 1 - Oil line assembly 2 - Electrode assemblies w/insul. 1 - Coupling 2 - Insulator bushings 1 - "J" pump coupling end 2 - Buss bars (8") 1 - 90° nozzle line flare elbow 1 - Buss bar support
S88-72	31156W	<b>TUNE-UP KIT for Wayne ER, ERA, EH, EHA, EHASR, M, MSR, MH, OE, OEA</b>
		Same components as S88-70, manufactured by Westwood
S88-74	31157	<b>TUNE-UP KIT for Wayne Blue Angel model HS</b>
		2 - Electrode assemblies w/buss bars 1 - Coupling 1 - Electrode support 1 - "J" pump coupling end 1 - Buss bar support 1 - 90° nozzle line flare elbow 1 - Oil line assembly 1 - Gun setting gauge
S88-76	31157W	<b>TUNE-UP KIT for Wayne Blue Angel model HS</b>
		Same components as S88-74, manufactured by Westwood
S88-78		<b>TUNE-UP KIT for Wayne Blue Angel Plus model HS, up to 6"</b>
		1 - Electrode assemblies w/buss bars 1 - Coupling 1 - Buss bar support 1 - 90° nozzle line flare elbow 1 - Oil line assembly 1 - Gun setting gauge
S88-80		<b>TUNE-UP KIT for Wayne Blue Angel Plus model HS, over 6"</b>
		1 - Electrode assemblies w/buss bars 1 - Coupling 1 - Buss bar support 1 - 90° nozzle line flare elbow 1 - Oil line assembly 1 - Gun setting gauge

**S8**

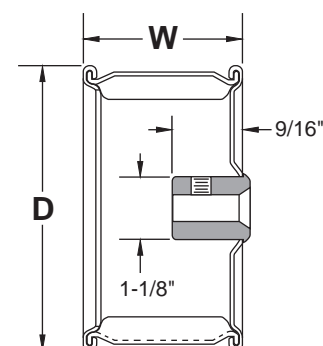
Packaging may vary from that shown

rev. 11-29-17

Please order by No.



Precision balanced general purpose blower wheel ideal for oil burners. Blade strip is continuous and roll-locked front and back.





### BLOWER WHEELS (Rotation as viewed from closed end)

CW		CCW		D	W	Fits shaft size	Comments
No.	Ref. No.	No.	Ref. No.				
<b>STANDARD</b>							
S90-10	4030	-	-	4"	3"	1/2"	
S90-12	4230	-	-	4-1/4"	3"	1/2"	
S90-14	4235	-	-	4-1/4"	3-1/2"	1/2"	
S90-16	4725	-	-	4-3/4"	2-1/2"	1/2"	
S90-18	4729	S91-18	4729-1	4-3/4"	3"	1/2"	
S90-20	4734	S91-20	4734-1	4-3/4"	3-1/2"	1/2"	
S90-22	5220	S91-22	5220-1	5-1/4"	2"	1/2"	
S90-24	5225	S91-24	5225-1	5-1/4"	2-1/2"	1/2"	
S90-26	5229	S91-26	5229-1	5-1/4"	3"	1/2"	
S90-28	5234	S91-28	5234-1	5-1/4"	3-1/2"	1/2"	
S90-30	5729	S91-30	5729-1	5-3/4"	3"	1/2"	
S90-32	5734	S91-32	5734-1	5-3/4"	3-1/2"	1/2"	
S90-34	5738	S91-34	5738-1	5-3/4"	3-7/8"	1/2"	
S90-36	6325	-	-	6-1/4"	2-1/2"	1/2"	
S90-38	6329	S91-38	6329-1	6-1/4"	3"	1/2"	
S90-40	6334	S91-40	6334-1	6-5/16"	3-1/2"	1/2"	
S90-42	6338	S91-42	6338-1	6-1/4"	3-7/8"	1/2"	
S90-44	6342	S91-44	6342-1	6-1/4"	4-1/4"	1/2"	
S90-46	6346	-	-	6-1/4"	4-5/8"	1/2"	
-	-	S91-48	7243-1	7"	4-1/4"	1/2"	
<b>SPECIAL</b>							
S90-60	475-243	-	-	4-3/4"	2-7/16"	1/2"	Outside hub
S90-62	475-287	-	-	5-3/4"	2-7/8"	1/2"	Lovejoy prongs
S90-64	575-287	-	-	5-3/4"	2-7/8"	1/2"	Lovejoy prongs
S90-66	625-400	-	-	6-1/4"	4"	1"	Cast hub
S90-68	951-78	-	-	7"	4-1/4"	5/8"	
S90-70	951-81	-	-	9-3/16"	5-1/4"	5/8"	Heavy braces
-	-	S91-72	951-170	9-3/16"	5-1/4"	7/8"	Heavy braces
-	-	S91-74	951-57	11-3/4"	6-1/4"	1-1/8"	Heavy braces



## PRESSURE GAUGES



 No.	Ref. No.	Mount	Face	Range	 No.	Ref. No.	Mount	Face	Range
S100-100	146010	1/8" CBM	1-1/2"	0-15 PSI	S100-142	47738	1/4" LM	2-1/2"	0-30 PSI
S100-102	146011	1/8" CBM	1-1/2"	0-30 PSI	S100-144	47495	1/4" LM	2-1/2"	0-60 PSI
S100-104	146013	1/8" CBM	1-1/2"	0-100 PSI	S100-146	45331	1/4" LM	2-1/2"	0-100 PSI
S100-106	49488	1/4" CBM	2"	0-30 PSI	S100-148	48365	1/4" LM	2-1/2"	0-160 PSI
S100-108	47615	1/4" LM	2"	0-15 PSI	S100-150	46913	1/4" LM	2-1/2"	0-200 PSI
S100-110	46644	1/4" LM	2"	0-30 PSI	S100-152	45765	1/4" LM	2-1/2"	0-300 PSI
S100-112	45764	1/4" LM	2"	0-60 PSI	S100-154	49611	1/4" LM	2-1/2"	0-400 PSI
S100-114	45330	1/4" LM	2"	0-100 PSI	S100-156	46648	1/4" LM	2-1/2"	0-600 PSI
S100-116	46912	1/4" LM	2"	0-160 PSI	S100-158	5504	1/4" LM	3-1/2"	0-30 PSI
S100-118	47101	1/4" LM	2"	0-200 PSI	S100-160	5506	1/4" LM	3-1/2"	0-60 PSI
S100-120	46778	1/4" LM	2"	0-300 PSI	S100-162	5508	1/4" LM	3-1/2"	0-100 PSI
S100-122	47492	1/4" LM	2"	0-400 PSI	S100-164	5510	1/4" LM	3-1/2"	0-160 PSI
S100-124	47493	1/4" LM	2"	0-600 PSI	S100-166	5512	1/4" LM	3-1/2"	0-200 PSI
S100-126	52420	1/8" LM	2"	0-15 PSI	S100-168	5514	1/4" LM	3-1/2"	0-300 PSI
S100-128	47490	1/8" LM	2"	0-30 PSI	S100-170	5515	1/4" LM	3-1/2"	0-400 PSI
S100-130	52576	1/8" LM	2"	0-60 PSI	S100-172	5516	1/4" LM	3-1/2"	0-600 PSI
S100-132	47491	1/8" LM	2"	0-100 PSI	S100-174	5551	1/4" LM	4-1/2"	0-60 PSI
S100-134	48302	1/8" LM	2"	0-160 PSI	S100-176	5554	1/4" LM	4-1/2"	0-100 PSI
S100-136	46645	1/8" LM	2"	0-200 PSI	S100-178	5561	1/4" LM	4-1/2"	0-200 PSI
S100-138	48363	1/8" LM	2"	0-300 PSI	S100-180	5563	1/4" LM	4-1/2"	0-300 PSI
S100-140	47102	1/4" LM	2-1/2"	0-15 PSI					

## PRESSURE GAUGES - LIQUID FILLED - Stainless steel case



 No.	Ref. No.	Mount	Face	Range	 No.	Ref. No.	Mount	Face	Range
S100-200	166664	1/8" CBM	1-1/2"	0-30 PSI	S100-238	165295	1/4" CBM	2"	0-1000 PSI
S100-202	166665	1/8" CBM	1-1/2"	0-60 PSI	S100-240	165296	1/4" LM	2-1/2"	0-30 PSI
S100-204	166666	1/8" CBM	1-1/2"	0-100 PSI	S100-242	165297	1/4" LM	2-1/2"	0-60 PSI
S100-206	166667	1/8" CBM	1-1/2"	0-160 PSI	S100-244	165298	1/4" LM	2-1/2"	0-100 PSI
S100-208	166668	1/8" CBM	1-1/2"	0-300 PSI	S100-246	165299	1/4" LM	2-1/2"	0-160 PSI
S100-210	166669	1/8" CBM	1-1/2"	0-1000 PSI	S100-248	165300	1/4" LM	2-1/2"	0-300 PSI
S100-212	165282	1/4" LM	2"	0-30 PSI	S100-250	165301	1/4" LM	2-1/2"	0-600 PSI
S100-214	165283	1/4" LM	2"	0-60 PSI	S100-252	165302	1/4" LM	2-1/2"	0-1000 PSI
S100-216	165284	1/4" LM	2"	0-100 PSI	S100-254	165377	1/4" LM	2-1/2"	0-2000 PSI
S100-218	165285	1/4" LM	2"	0-160 PSI	S100-256	165378	1/4" LM	2-1/2"	0-3000 PSI
S100-220	165286	1/4" LM	2"	0-300 PSI	S100-258	165303	1/4" CBM	2-1/2"	0-30 PSI
S100-222	165287	1/4" LM	2"	0-600 PSI	S100-260	165304	1/4" CBM	2-1/2"	0-60 PSI
S100-224	165288	1/4" LM	2"	0-1000 PSI	S100-262	165305	1/4" CBM	2-1/2"	0-100 PSI
S100-226	165289	1/4" CBM	2"	0-30 PSI	S100-264	165306	1/4" CBM	2-1/2"	0-160 PSI
S100-228	165290	1/4" CBM	2"	0-60 PSI	S100-266	165307	1/4" CBM	2-1/2"	0-300 PSI
S100-230	165291	1/4" CBM	2"	0-100 PSI	S100-268	165308	1/4" CBM	2-1/2"	0-600 PSI
S100-232	165292	1/4" CBM	2"	0-160 PSI	S100-270	165309	1/4" CBM	2-1/2"	0-1000 PSI
S100-234	165293	1/4" CBM	2"	0-300 PSI	S100-272	165380	1/4" CBM	2-1/2"	0-2000 PSI
S100-236	165294	1/4" CBM	2"	0-600 PSI	S100-274	165381	1/4" CBM	2-1/2"	0-3000 PSI

1/4" = 1/4" NPT pipe thread  
1/8" = 1/8" NPT pipe thread



CBM = Center back mount  
LM = Low mount  
LBM = Low back mount

S10

rev. 5-1-05



Please order by  No.

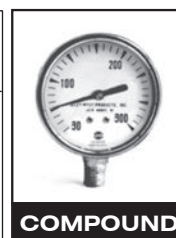
## LOW PRESSURE DIAPHRAGM GAUGES

 No.	Ref. No.	Mount	Face	Range	 No.	Ref. No.	Mount	Face	Range
<b>S100-300</b>	161963	1/4" LM	2-1/2"	15" WC	<b>S100-318</b>	161971	1/4" LM	2-1/2"	10 PSI
<b>S100-302</b>	161964	1/4" LM	2-1/2"	35" WC	<b>S100-320</b>	161972	1/4" LM	2-1/2"	20 oz.-35" WC
<b>S100-304</b>	162787	1/4" LM	2-1/2"	60" WC	<b>S100-322</b>	21551	1/4" CBM	2-1/2"	15" WC
<b>S100-306</b>	161965	1/4" LM	2-1/2"	100" WC	<b>S100-324</b>	21552	1/4" CBM	2-1/2"	35" WC
<b>S100-308</b>	161966	1/4" LM	2-1/2"	200" WC	<b>S100-326</b>	75995	1/4" CBM	2-1/2"	60" WC
<b>S100-310</b>	161967	1/4" LM	2-1/2"	20 oz.	<b>S100-328</b>	75991	1/4" CBM	2-1/2"	20 oz.
<b>S100-312</b>	161968	1/4" LM	2-1/2"	32 oz.	<b>S100-330</b>	21553	1/4" CBM	2-1/2"	36 oz.
<b>S100-314</b>	161969	1/4" LM	2-1/2"	36 oz.	<b>S100-332</b>	21554	1/4" CBM	2-1/2"	5 PSI
<b>S100-316</b>	161970	1/4" LM	2-1/2"	5 PSI	<b>S100-334</b>	75996	1/4" CBM	2-1/2"	10 PSI




## COMPOUND GAUGES

 No.	Ref. No.	Mount	Face	Range	 No.	Ref. No.	Mount	Face	Range
<b>S100-400</b>	47925	1/8" LM	2"	30"-60 PSI	<b>S100-408</b>	46646	1/4" LM	2-1/2"	30"-60 PSI
<b>S100-402</b>	49609	1/8" LM	2"	30"-150 PSI	<b>S100-410</b>	47411	1/4" LM	2-1/2"	30"-150 PSI
<b>S100-404</b>	75260	1/8" LM	2"	30"-300 PSI	<b>S100-412</b>	58156	1/4" LM	2-1/2"	30"-300 PSI
<b>S100-406</b>	47105	1/4" LM	2-1/2"	30"-30 PSI					




## GAUGE ADAPTER

 No.	Description
<b>S100-10</b>	1/4"-NPT (F) x 1/8"-NPT (M) Brass gauge adapter




## VACUUM GAUGES

 No.	Ref. No.	Mount	Face	Range
<b>S100-498</b>	-	1/8" LM	1-1/2"	0 - 30" Hg
<b>S100-500</b>	47225	1/8" LM	2"	0 - 30" Hg
<b>S100-502</b>	47103	1/4" LM	2"	0 - 30" Hg
<b>S100-504</b>	47104	1/4" LM	2-1/2"	0 - 30" Hg



## TEST GAUGES

 No.	Ref. No.	Type	Mount	Face	Range	Refrigerant Scale	For Westwood Tester
<b>S100-280</b>	-	Pressure*	1/8" LM	2"	0 - 300 PSI	-	T10, T11
<b>S100-285</b>	-	Pressure*	1/8" LM	2-1/2"	0 - 300 PSI	-	T20, T22
<b>S100-290</b>	-	Vacuum*	1/8" LM	2"	0 - 30" Hg	-	T15
<b>S100-295</b>	-	Vacuum*	1/8" LM	2-1/2"	0 - 30" Hg	-	T20



\* Liquid filled, stainless steel case


1/4" = 1/4" NPT pipe thread  
1/8" = 1/8" NPT pipe thread

CBM = Center back mount  
LM = Low mount  
LBM = Low back mount



Take a look . . .

PRESSURE & VACUUM TESTERS starting on page T1

Please order by  No.

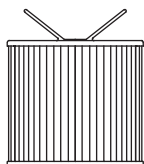
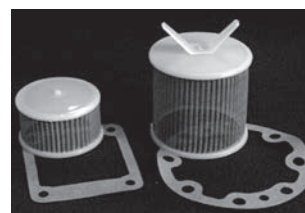
rev. 9-1-13


# S11

Westwood

**OIL BURNER PUMP STRAINERS & GASKETS**

STAINLESS STEEL MESH • NYLON ENDS • SONICALLY WELDED




 No. **S150 (Series)**  
Suntec J, H, S



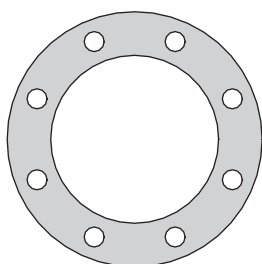
 No. **S160 (Series)**  
Suntec A70




 No. **S170 (Series)**  
Suntec B80, 1-3/8"

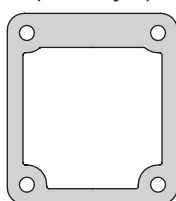


 No. **S180 (Series)**  
Suntec B80, 1-5/8"

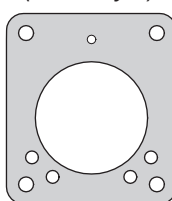



 No. **S150 (Series)**  
Suntec J, H, S

(Old Style)



(New Style)



 No. **S190 (Series)**  
Suntec A70 & B80



 No. **S195**  
Riello




 No. **S195-5**  
Riello



 No. **S197**  
Danfoss



 No. **S197-5**  
Danfoss

 No.	Ref. No.	Description	biofuels COMPATIBLE <b>B5</b> <small>SEE STATEMENT ON INSIDE COVER</small>
<b>S150</b>	JHS	Strainer for Suntec J, H, S, individually boxed w/gasket	
<b>S150-10</b>	-	Strainer for Suntec J, H, S, individually bagged w/gasket	
<b>S150-12</b>	-	"P" Strainer for Suntec J, H, S, high capacity (coarse mesh), individually bagged w/gasket	
<b>S150-55</b>	-	Cover gasket for Suntec J, H, S, package of 10 gaskets	
<b>S150-60</b>	-	Cover gasket for Suntec J, H, S, package of 50 gaskets	
<b>S150-65</b>	-	Cover gasket for Suntec J, H, S, package of 100 gaskets	
<b>S160-10</b>	-	Strainer for Suntec A70 single-stage mini pump, individually bagged w/old style gasket	
<b>S160-12</b>	-	Strainer for Suntec A70 single-stage mini pump, individually bagged w/new style gasket	
<b>S170</b>	-	Strainer for Suntec B80 two-stage mini pump, 1-3/8" long, indiv. boxed w/old style gasket	
<b>S170-1</b>	-	Strainer for Suntec B80 two-stage mini pump, 1-3/8" long, indiv. boxed w/new style gasket	
<b>S180</b>	-	Strainer for Suntec B80 two-stage mini pump, 1-5/8" long, indiv. boxed w/old style gasket	
<b>S180-1</b>	-	Strainer for Suntec B80 two-stage mini pump, 1-5/8" long, indiv. boxed w/new style gasket	
<b>S190</b>	-	Cover gasket for Suntec A70 and B80 mini pumps, old style, package of 50 gaskets	
<b>S190-1</b>	-	Cover gasket for Suntec A70 and B80 mini pumps, old style, package of 100 gaskets	
<b>S190-2</b>	-	Cover gasket for Suntec A70 and B80 mini pumps, old style, package of 10 gaskets	
<b>S190-5</b>	-	Cover gasket for Suntec A70 and B80 mini pumps, new style, package of 50 gaskets	
<b>S190-6</b>	-	Cover gasket for Suntec A70 and B80 mini pumps, new style, package of 100 gaskets	
<b>S190-7</b>	-	Cover gasket for Suntec A70 and B80 mini pumps, new style, package of 10 gaskets	
<b>S195</b>	-	Strainer for Riello pump, individually bagged w/'O' ring gasket	
<b>S195-5</b>	-	Cover 'O' ring gasket for Riello pump, package of 6 'O' rings	
<b>S196</b>	-	Riello strainer w/o-ring and cork gasket	
<b>S197</b>	-	Strainer for Danfoss pump, individually bagged w/'O' ring gasket	
<b>S197-5</b>	-	Cover 'O' ring gasket for Danfoss pump, package of 6 'O' rings	



## FUEL SYSTEM PARTS

## BY-PASS PLUGS



**1/16"  
THREAD**  
*For Suntec A, B  
Webster M*

No. **S211, -1**



**1/8"  
THREAD**  
*For Suntec J, H  
Webster R*

No. **S211-2, -3**



**METRIC  
THREAD**  
*For RIELLO  
pump*

No. **S211-4, -5**

## NOZZLE LINES



No. **S213 & S214 (Series)**

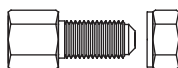
## MILLER FURNACE OIL LINE KIT

- 1 · S213-7 oil line. For Wayne Home Equip. OE, OE-LS, M-LS, MSRH, Nu-Way FM, FM-LS, FS-LS, Beckett AF-15, when burner does not have a Sundstrand A1VA 17J1600 pump.
- 1 · S213-11 oil line. For Wayne Home Equip. OE, OE-LS, Nu-Way FM, FM-LS, when burner has Sundstrand A1VA 17J1600 pump.
- 1 · 1/4" flare x 3/16" flare reducer adapter for certain Wayne OE & OE-LS burners
- 1 · 3/16" flare x 1/8" · NPT elbow for certain Wayne OE & OE-LS burners

No. **S214-25**



*For  
S, SR, SF Series*



*For  
A, AF, AR Series*

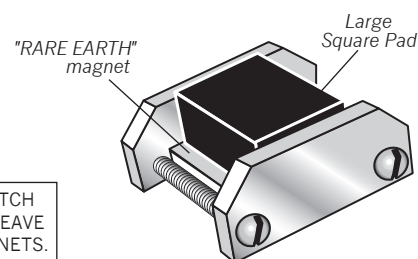
No. **S215, -1**

## MAGIC\*PATCH™

FOR TEMPORARY USE ON LEAKING FUEL OIL TANKS

### TAKE THE MAGIC\*PATCH™ CHALLENGE

PUT A MAGIC\*PATCH AGAINST A REGULAR MAGNETIC PATCH (PAD TO PAD, HELD TOGETHER BY THE MAGNETS) AND LEAVE THEM FOR 24 HOURS. AFTER THAT TIME TEST THE MAGNETS. YOU'LL SEE WHAT MAKES THE MAGIC\*PATCH, "MAGIC"



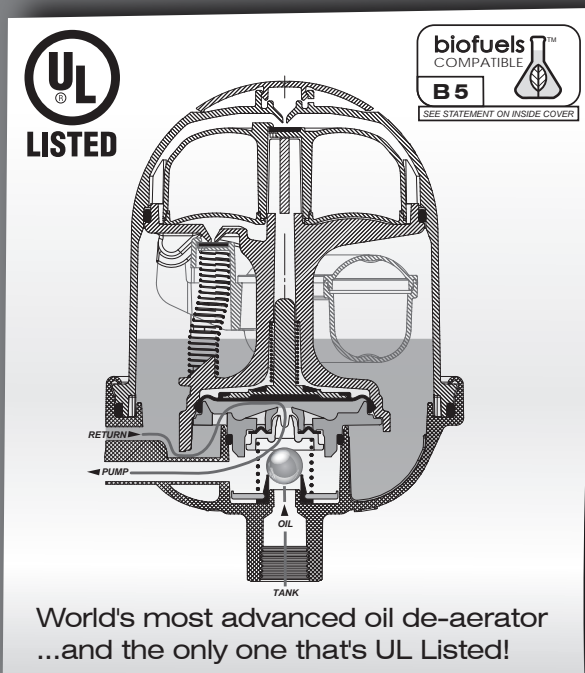
**...holds like magic!**

No. **S216**

## BY-PASS PLUGS, OIL LINES &amp; FITTINGS, MAGIC-PATCH

No.	Ref. No.	Description
<b>S211</b>	-	By-Pass Plug for Suntec A, B and Webster M, 1/16"- NPT, package of 10
<b>S211-1</b>	-	By-Pass Plug for Suntec A, B and Webster M, 1/16"- NPT, package of 100
<b>S211-2</b>	-	By-Pass Plug for Suntec J, H and Webster R, 1/8" NPT, package of 10
<b>S211-3</b>	-	By-Pass Plug for Suntec J, H and Webster R, 1/8" NPT, package of 100
<b>S211-4</b>	-	By-Pass Plug for RIELLO pump, (takes 2.5mm hex key), package of 10
<b>S211-5</b>	-	By-Pass Plug for RIELLO pump, (takes 2.5mm hex key), package of 100
<b>S213-5</b>	3605	Nozzle line w/flare nuts, 3/16" O.D. copper tubing, 5" long
<b>S213-7</b>	3607	Nozzle line w/flare nuts, 3/16" O.D. copper tubing, 7" long
<b>S213-8</b>	3608	Nozzle line w/flare nuts, 3/16" O.D. copper tubing, 8" long
<b>S213-11</b>	3611	Nozzle line w/flare nuts, 3/16" O.D. copper tubing, 11" long
<b>S213-12</b>	3612	Nozzle line w/flare nuts, 3/16" O.D. copper tubing, 12" long
<b>S213-16</b>	3616	Nozzle line w/flare nuts, 3/16" O.D. copper tubing, 16" long
<b>S214-12</b>	1412	Nozzle line w/flare nuts, 1/4" O.D. copper tubing, 12" long
<b>S214-16</b>	1416	Nozzle line w/flare nuts, 1/4" O.D. copper tubing, 16" long
<b>S214-25</b>	OL-711	Oil line parts kit for Miller furnaces, (1) S213-7, (1) S213-11, (2) fittings
<b>S215</b>	-	Replacement nozzle line fitting for Beckett S, SR, SF series burners
<b>S215-1</b>	-	Replacement nozzle line fitting for Beckett A, AF, AR series burners
<b>S216</b>	-	MAGIC*PATCH magnetic emergency tank leak patch

# The Tigerloop<sup>®</sup> Oil De-aerator



## The Tigerloop<sup>®</sup> Oil De-aerator

The Tigerloop<sup>®</sup> is a wonderful device that has many benefits. It is often misunderstood and its workings can be difficult to grasp. Hopefully after reading this you'll come away with at least a basic idea of how the Tigerloop<sup>®</sup> works, and how it can improve the efficiency and extend the life of your oil heating systems.

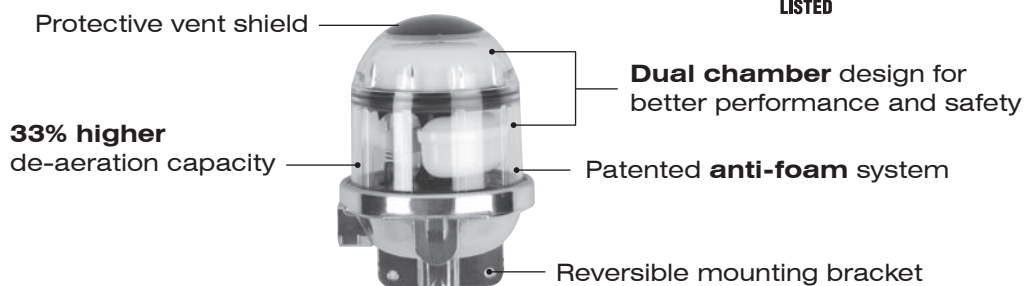
The Tigerloop<sup>®</sup> combines the benefits of a single pipe system with a two pipe system. With a Tigerloop<sup>®</sup> installed, you need only to transport oil at the nozzle firing rate (i.e. 1 gph). This allows you to use one small line from the tank to the Tigerloop<sup>®</sup>, whereas with a 2 pipe installation you have to provision 2 large diameter lines that will handle oil traffic at approximately 20 gph in both directions. One immediate benefit is the cost savings of dropping one line, but there are many more advantages. You filter less oil, 1 gph vs. 20 gph, which extends filter life. You preheat oil because it travels slowly into the house (at 1 gph) and loops through the Tigerloop<sup>®</sup> and pump approx. 20 times, picking up heat before it is fired. Contrast this to a 2 pipe system where cold oil enters the house rapidly (20 gph) and then is immediately sent back outside into the cold tank again (this also stirs up sediment in the tank, which can clog nozzles and filters). With a Tigerloop<sup>®</sup> you also eliminate the risk of a leak from the pressurized return line that is constantly pumping oil back to the tank. You also get a vacuum reduction because you are only pulling 1 gph up the inlet line instead of 20 gph. This is even more critical if you are lifting oil, or have a restricted line or a dirty filter. Imagine trying to pull 20 gph through a small restriction. Installing a Tigerloop<sup>®</sup> cuts the flow rate down to 1 gph, dropping vacuum and improving burner efficiency, while putting less strain on your oil pump and motor. Vacuum pulls vapor right out of the oil even in an "air tight" system. Less vacuum, less air, less problems....higher efficiency.

The Tigerloop<sup>®</sup> takes the good things of a 2 pipe system and improves them. With a 2 pipe system, all of the air and oil in the line flows through the pump, flows by (or out) the nozzle and then gets returned all the way back to the tank. The Tigerloop<sup>®</sup> improves upon this by deaerating the return oil and sending it back to the pump. This can reduce air by 95%. For example if you need 1 gph from the tank, the Tigerloop<sup>®</sup> is supplying 19 gph of de-aerated oil. This means that 19 out of 20 gallons (or 95%) of the oil has been de-aerated, and you get an efficiency bump. The flame will sputter less, the burner will fire cleaner and produce less soot. Soot build-up on the inside of a boiler will interfere with the absorption of heat. With a Tigerloop<sup>®</sup> installed, the heat will be going into the home, instead of up the chimney. In a single pipe system, all air in the line has to go out the nozzle, so installing a Tigerloop<sup>®</sup> will reduce lockouts, flameouts, and sputters. This will give you the efficiency benefits mentioned above.

Now a quick explanation of how the Tigerloop<sup>®</sup> works. Oil gets pulled through a check valve (inside the Tigerloop) and then thru the pump. The pump gives the nozzle what it needs (i.e. 1 gph) and then sends the excess 19 gph back to the Tigerloop<sup>®</sup> to be de-aerated. As oil rises in the Tigerloop<sup>®</sup>, air escapes from the top vent until a float lifts and seals the vent. When the vent seals, the Tigerloop<sup>®</sup> builds pressure (about 1/3 psi). The pressure opens a valve sending de-aerated oil back to the pump, creating the loop. If any air reaches the Tigerloop<sup>®</sup>, the float drops, the vent opens and the air is removed. The float rises again sealing the Tigerloop<sup>®</sup>.

You can see that having a Tigerloop<sup>®</sup> is better than either a single pipe system or a 2 pipe system, and if the Tigerloop<sup>®</sup> saves a service call, you save money (and aggravation). You also improve burner efficiency and gain customer satisfaction, things which are extremely important in today's oil heating marketplace.

# S14

**Tigerloop®****Model TN**

## World's most advanced oil de-aerator!

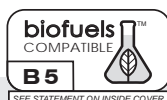
After years of development, the next generation Tigerloop® oil de-aerator has arrived! With over 30 years experience and more than 3.5 million Tigerloops® installed worldwide, Tigerholm is uniquely qualified to take oil de-aeration to the next level.

## More than just a problem solver!

For years, Tigerloop® has been primarily thought of as a problem solver, a "band-aid," used to easily cure air and suction line problems. But, that's only part of the story! All systems benefit from Tigerloop's® unique ability to condition the oil prior to burning. Whether it's air elimination, nozzle coking problems, vacuum reduction, oil preheating, or just the elimination of that potentially leaky return line, Tigerloop® is today's safe, economical, environmentally friendly choice for all oil supply systems.

## The Advantages of Tigerloop®...

- Safely Handles suction line air leaks.*
- Removes air entrained in oil during transporting and delivery.*
- Reduces running vacuum for clear, foam-free oil at the nozzle.*
- Eliminates potential leak hazard by eliminating the return line.*
- Preheats the oil for cleaner combustion.*
- Extends filter element life.*



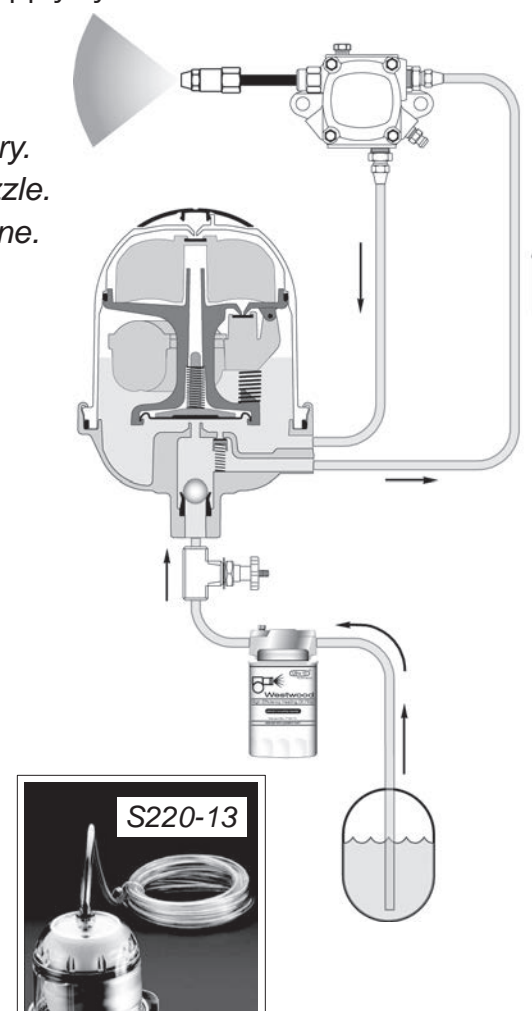
### Technical Information

MAX. NOZZLE CAPACITY . . . . . 29.0 GPH  
 MAX. RETURN OIL FLOW . . . . . 31.7 GPH  
 TEMPERATURE RANGE . . . . . 20° - 105° F  
 MAX. INLET PRESSURE . . . . . 8 PSI  
 CONNECTIONS . . . . . 1/4" - NPT (female)  
 FUEL . . . . . No. 1 & 2 HEATING OIL, B5 BioHeat®

*Not for use with E-diesel or any fuel containing Ethanol (alcohol)*



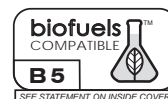
No.	Description
S220*	<b>Tigerloop®</b> oil de-aerator, model TN, UL Listed includes <i>Firomatic</i> fusible valve.
S220-10	3/8"- NPT <i>Firomatic</i> fusible valve only w/reducing nipple installed (3/8"- NPT x 1/4"- NPT)
S220-11	<b>Tigerloop®</b> Installation Bundle, oil de-aerator, model TN, UL Listed, w/ <i>Firomatic</i> fusible valve, plus two 36" flexible oil lines.
S220-13	<b>Tigerloop®</b> vent hose kit to re-route vapors.



The New

**Tigerloop®****ULTRA™**

The economical Tigerloop®/Spin-On filter combination that's fast and easy to install. Costs less than installing a Tigerloop® and Spin-On separately! Designed specifically for the demands of American heating systems.




**Costs less** than installing a Tigerloop® and Spin-On separately!

#### Technical Information

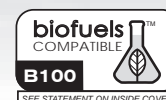
MAX. NOZZLE CAPACITY . . . . 29.0 GPH  
 MAX. RETURN OIL FLOW . . . . 31.7 GPH  
 TEMPERATURE RANGE . . . . 20° - 105° F  
 MAX. INLET PRESSURE . . . . . 8 PSI  
 CONNECTIONS . . . . .1/4" - NPT (female)

REPLACEMENT ELEMENT . . . . . F100-10  
 ELEMENT MEDIA . . . . . 10 Micron  
 ELEMENT CANISTER . . . . . EPOXY INSIDE  
 FUEL . . . . No. 1 & 2 HEATING OIL, B5 BioHeat®  
*Not for use with E-diesel or any fuel containing Ethanol (alcohol)*


#### Tigerloop® ULTRA™ OIL DE-AERATOR & SPIN-ON FILTER

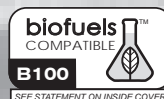
 No.	Description
S220-8	<b>Tigerloop® ULTRA™</b> oil de-aerator & Spin-On filter, <i>UL Listed</i> , includes <i>Firomatic</i> fusible safety valve.
S220-12	<b>Tigerloop® ULTRA™ Installation Bundle</b> , oil de-aerator, Spin-On filter, <i>UL Listed</i> , w/ <i>Firomatic</i> valve, plus two 36" flexible oil lines.
S220-13	<b>Tigerloop®</b> vent hose kit to re-route vapors (w/30 ft. hose).
F100-10	Replacement Spin-On element only, standard thread, see page F4



**Tigerloop®****Bio™****NEW!****A standard Tigerloop® with B100 compatibility!**Totally **Metallic**  
Housing**Technical Information**

MAX. NOZZLE CAPACITY . . . . . 29.0 GPH  
 MAX. RETURN OIL FLOW . . . . . 31.7 GPH  
 TEMPERATURE RANGE . . . . . 20° - 105° F  
 MAX. INLET PRESSURE . . . . . 8 PSI  
 CONNECTIONS . . . . . 1/4" - NPT (female)  
 FUEL . . . . . biofuels up to **B100** BioHeat®, No. 1 & 2 OIL  
 Not for use with E-diesel or any fuel containing Ethanol (alcohol)

 No.	Description
S220-1	<b>Tigerloop® Bio™</b> oil de-aerator for biofuels to B100

**Tigerloop®****ULTRA-B™****NEW!****A standard Tigerloop® ULTRA™  
with B100 compatibility!**Totally **Metallic**  
Housing**Technical Information**

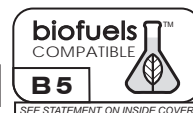
MAX. NOZZLE CAPACITY . . . . . 29.0 GPH  
 MAX. RETURN OIL FLOW . . . . . 31.7 GPH  
 TEMPERATURE RANGE . . . . . 20° - 105° F  
 MAX. INLET PRESSURE . . . . . 8 PSI  
 CONNECTIONS . . . . . 1/4" - NPT (female)  
 REPLACEMENT ELEMENT . . . . . F100-10  
 ELEMENT MEDIA . . . . . 10 Micron  
 ELEMENT CANISTER . . . . . EPOXY INSIDE  
 FUEL . . biofuels up to **B100** BioHeat®, No. 1 & 2 HEATING OIL  
 Not for use with E-diesel or any fuel containing Ethanol (alcohol)

 No.	Description
S220-9	<b>Tigerloop® ULTRA™-B</b> oil de-aerator & filter




# Tigerloop® Combi 3™

A European Favorite



The New **Tigerloop® Combi 3™** now has an integrated shutoff valve. It features a clear plastic bowl which houses a high efficiency sintered plastic filter element with a 50-70 micron rating.

## Tigerloop® Combi 3™ OIL DE-AERATOR & FILTER

 No.	Description
S220-3	<b>Tigerloop® Combi 3™</b> oil de-aerator & filter, 3/8" NPT female tank connection x 1/4" NPT female pump connections.
S220-6	Replacement sintered plastic filter element for S220-3 (Combi 3) & S220-4 (Combi)
S220-7	O-ring for Combi filter cup (Pkg. of 6)

Technical specs are the same as for the S220. See page S15

# Tigerloop®

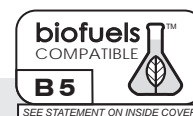
# Twin™

*For  
Commercial  
Burners*



**If something is good...  
then two are better!**

The Tigerloop® **Twin™** has twice the capacity for those large commercial jobs. Get all the benefits of Tigerloop's famous de-aeration capabilities...in a bigger way! Comes complete with Westwood's commercial duty Spin-On filter.




## Technical Information

MAX. NOZZLE CAPACITY . . . . . 52.8 GPH  
MAX. RETURN OIL FLOW . . . . . 52.8 GPH  
TEMPERATURE RANGE . . . . . 20° - 105° F  
MAX. INLET PRESSURE . . . . . 8 PSI  
TANK CONNECTION . . . . . 3/8" - NPT  
PUMP CONNECTIONS . . . . . 1/4" - NPT

SPIN-ON FILTER SUPPLIED . . . . . F100-1  
REPLACEMENT ELEMENT . . . . . F100-11  
ELEMENT MEDIA . . . . . 30 Micron  
ELEMENT CANISTER . . . . . EPOXY INSIDE  
FUEL . . . . . No. 1 & 2 HEATING OIL, B5 BioHeat®  
*Not for use with E-diesel or any fuel containing Ethanol (alcohol)*

## Tigerloop® Twin™ OIL DE-AERATOR & SPIN-ON FILTER

 No.	Description
S220-15 F100-11	<b>Tigerloop® Twin™</b> oil de-aerator & commercial duty Spin-On filter Replacement Spin-On element, standard thread, see page F3

GENUINE

**Tigerloop®**For use as oil burner pump suction  
and return lines (not for nozzle line)**FLEXIBLE OIL LINES**


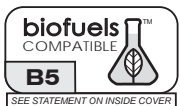
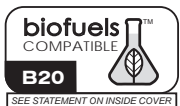
For swing-out doors and oil de-aerators

Steel Braided Covering - 24" and 36" Long - 145 PSI - 200 °F

For No. 1 and 2 heating oil, BioHeat® B5 or B20

\* DIN ISO 6806 APPROVED


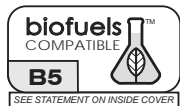
**FLEXIBLE OIL LINES, Standard**

 No.	Description	BioFuels Rating
S220-24	Flexible oil line, braided steel covering, 1/4"- NPT (MxM), 24" long *	 SEE STATEMENT ON INSIDE COVER
S220-36	Flexible oil line, braided steel covering, 1/4"- NPT (MxM), 36" long *	
S220-40	Replacement fitting for flexible oil line, 3/8" inv. flare x 1/4"-NPT	
S222-36	Flexible oil line, braided steel covering, 3/8" Flare (FxF), 36" long *	
S223-24	BioFuels Flexible oil line, braided steel covering, 1/4"- NPT (MxM), 24" long	 SEE STATEMENT ON INSIDE COVER
S223-36	BioFuels Flexible oil line, braided steel covering, 1/4"- NPT (MxM), 36" long	

**New!****FLEXIBLE OIL LINES****SPECIAL FOR RIELLO**

Color coded Red &amp; Blue for easy identification

European thread connects  
to **RIELLO** pump adaptorEasy installation & service with  
two piece swivel connector**FLEXIBLE OIL LINES, Special for RIELLO burners**

 No.	Description	BioFuels Rating
S221-24	Flexible oil line for Riello burner, braided steel outside covering, 1/4"- NPT (M) x 1/4"- BSPP (RIELLO pump adapter thread), 24" long	 SEE STATEMENT ON INSIDE COVER
S221-36	Flexible oil line for Riello burner, braided steel outside covering, 1/4"- NPT (M) x 1/4"- BSPP (RIELLO pump adapter thread), 36" long *	

Service Advisory: All flexible oil lines should be inspected annually for deterioration (i.e. stiffness, cracks, etc.) and replaced every 3 years



Take a look . . .

For testing RIELLO pumps see page T2 &amp; T3

Please order by



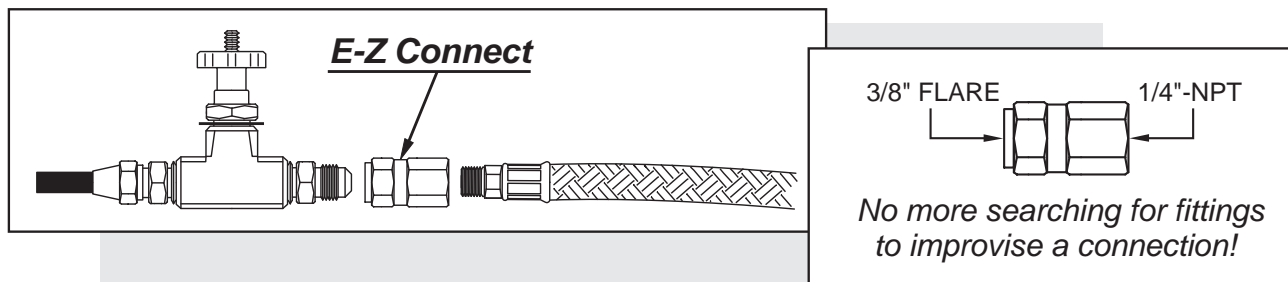
No.

rev. 11-29-17

**S19**

## **E-Z Connect** ADAPTOR FITTING

One fitting quickly connects the 1/4"-NPT male end of flexible oil lines to 3/8" FLARE!



No. S220-50

## CHECK VALVES

**3/8" - NPT**



No. S230

**1/2" - NPT**



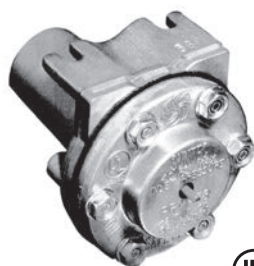
No. S230-1

## OIL LINE SAFETY VALVES

*Isolates burner components from fuel supply line pressure.  
Requires pump vacuum to draw oil from the tank.*



### **PRV** Oil Line Safety Valve



No. S225



#### Technical Information

MAXIMUM FLOW . . . . . 20 GPH  
TEMPERATURE RANGE . . . . . 0 - 160° F  
MAX. INLET PRESSURE . . . . . 40 PSI  
FUEL . . . . . No. 2 OR LIGHTER  
APPROVAL . . . . . UL LISTED  
CONNECTIONS . . . . . 3/8" - NPT

### **Tigerholm**

AN SPX BRAND

#### **Tigerstop™** Anti-siphon valve

Adjustable for heights  
up to 13 ft.

No. S224-2



#### Technical Information

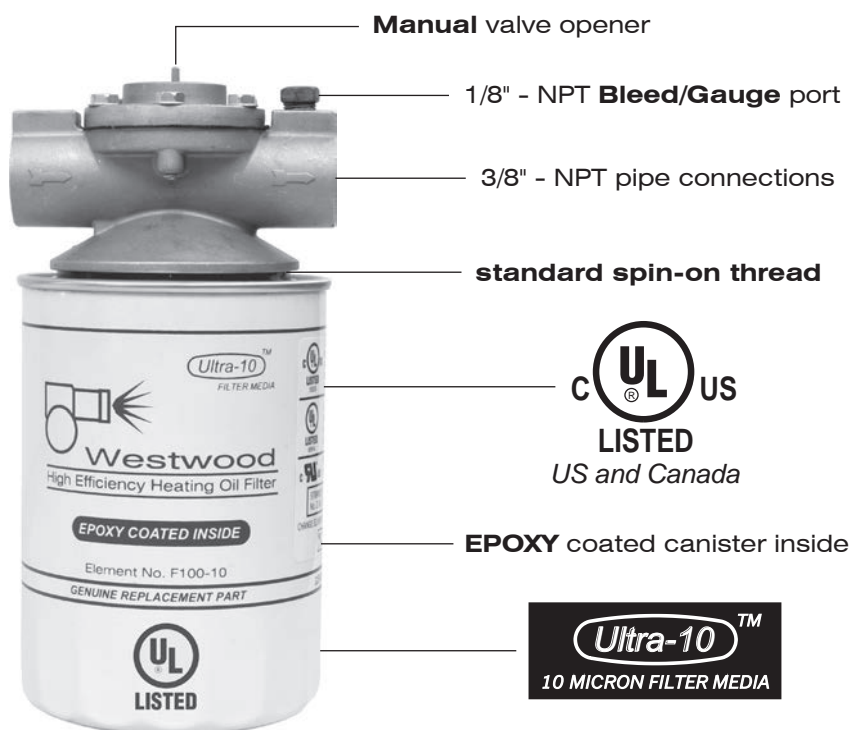
MAXIMUM FLOW  
at 0.58 PSI pressure loss . . . . . 52.8 GPH  
MAX TEMPERATURE . . . . . 104° F  
MAX. INLET PRESSURE . . . . . 87 PSI  
FUEL . biofuels to B20, No.1 & 2 Heating Oil  
CONNECTIONS . . . . . 3/8" - NPT  
Height . . . . . adjustable to 13 ft



Westwood

**New!****OIL SAFETY VALVE & SPIN-ON FILTER**

Combines the Suntec PRV-38P oil safety valve with the Westwood Products Ultra-10™ (10 micron) high efficiency Spin-On filter element number F100-10. This combination provides the ultimate in protection for oil supply systems and costs less than installing an oil safety valve and Spin-On separately!




**Costs less** than installing an Oil Safety Valve and Spin-On separately!

**Technical Information**

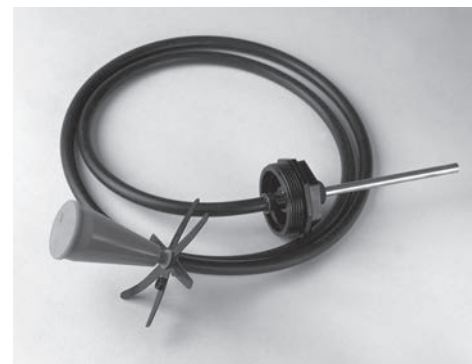
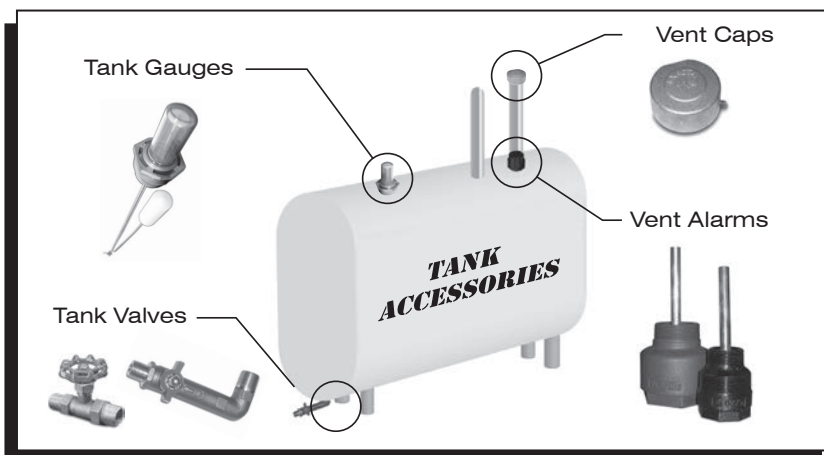
CONNECTIONS . . . . . 3/8"-NPT  
 INLET PRESSURE . . . . . 40 PSI MAX  
 TEMPERATURE RANGE . . . . . 0 - 160° F  
 FUEL . . . . . No. 2 OIL OR LIGHTER  
 MAXIMUM FLOW . . . . . 45 GPH

MAXIMUM FIRING RATE . . . . . 29 GPH  
 REPLACEMENT ELEMENT . . . . . F100-10  
 ELEMENT MEDIA . . . . . 10 Micron  
 ELEMENT CANISTER . . . . . EPOXY INSIDE  
 APPROVAL . . . . . UL LISTED



**Westwood OIL SAFETY VALVE & SPIN-ON FILTER**

 No.	Description
S226 F100-10	<b>Westwood</b> oil safety valve and Spin-On filter, UL Listed Replacement Spin-On element, standard thread, see page F3

Westwood

**HEATING OIL TANK ACCESSORIES**

**S260 Tigerflex™**  
**Floating Suction Line**

 No.	Description	 No.	Description
S260	Tigerflex™ Floating Suction Line 1-1/2" & 2"	S270-10	2" Aluminum vent cap, set screw, screen
S270	1-1/4" Vent alarm	S270-20	1/2" x 3/8" Oil tank valve, straight
S270-1	2" Vent alarm	S270-22	1/2" x 3/8" Oil tank valve, 90° angle
S270-4	1-1/4" Aluminum vent cap, set screw	S270-24	1-1/2" and 2" Tank gauge, 24"
S270-6	1-1/4" Aluminum vent cap, set screw, screen	S270-44	1-1/2" and 2" Tank gauge, 44"
S270-8	2" Aluminum vent cap, set screw		

**S280 Tigex® 150 Draft Stabilizer**

Stainless steel design fights soot, moisture, and corrosive chemicals. Gas tight 1100°C superwool seal ensures no leakage of exhaust fumes or ash/soot particles, and quiet function - the damper flap opens and closes quietly during operation as there are no metal parts hitting each other. Easy to install. Self-cleaning door axel. Incredible quality - the top of the line!

Approx Capacity	Max. chimney height	Max. chimney dia. / area
up to 100 kW (341 kBtu)	up to 15 m (49 ft.)	Ø200 mm / 314 cm² (Ø7-7/8" / 48.7in²)



Tigex® 150  
Draft Stabilizer




Adapter for round flue pipe

Finish Color	Description
Stainless	
S280	Tigex® 150 Draft Stabilizer
S280-130	Adapter for 5" round flue pipe
S280-150	Adapter for 6" round flue pipe
S280-180	Adapter for 7" round flue pipe
S280-200	Adapter for 8" round flue pipe

**UNIVERSAL DRAFT REGULATOR**

Fits the most popular smoke pipe sizes, 6", 7", 8", galvanized steel.

 No.	Ref. No.	Description
S300-300	#678	3 in 1 combination draft regulator, fits 6", 7", 8" smoke pipe

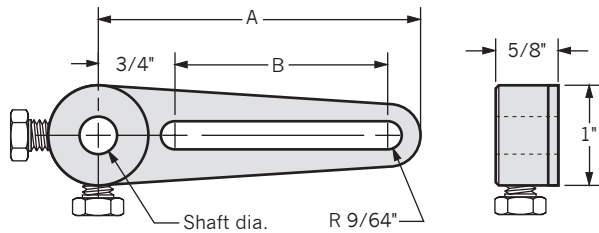
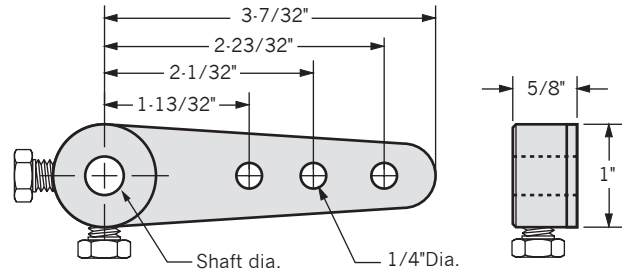
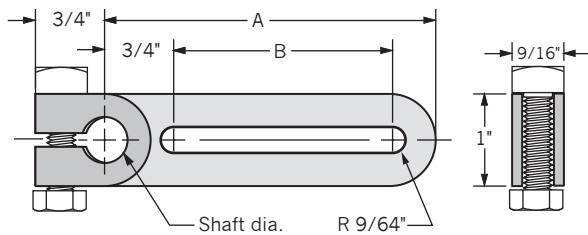
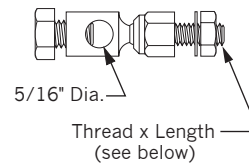
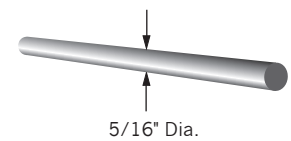





Westwood

**CRANK ARMS - SWIVELS - PUSH RODS**

PRECISION MACHINED • HEAVY DUTY • PLATED STEEL

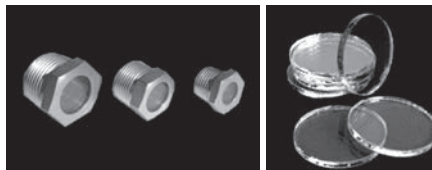
**Slotted Crank Arm****3 Hole Crank Arm****Slotted Crank Arm  
(shaft clamping)****Swivel****Push Rod**


 No.	Ref. No.	Shaft Dia.	A	B	Swivel Thread x Length	Push Rod Length	Description
S300-400	ARM-3S	3/8"	3-3/16"	2-1/8"	-	-	Slotted crank arm
S300-402	ARM-5S	1/2"	3-3/16"	2-1/8"	-	-	Slotted crank arm
S300-404	ARM-3L	3/8"	4-15/16"	3-7/8"	-	-	Slotted crank arm
S300-406	ARM-5L	1/2"	4-15/16"	3-7/8"	-	-	Slotted crank arm
S300-408	ARM-14	3/8"	-	-	-	-	3 hole crank arm
S300-410	ARM-15	1/2"	-	-	-	-	3 hole crank arm
S300-412	ARM-5C	1/2"	3-19/32"	2-3/8"	-	-	Clamping crank arm
S300-414	SW-4	-	-	-	1/4-20 x 7/16"	-	Swivel
S300-416	SW-5	-	-	-	5/16-24 x 41/64"	-	Swivel
S300-418	SW-6	-	-	-	5/16-24 x 33/64"	-	Swivel
S300-420	SW-8	-	-	-	1/4-28 x 9/16"	-	Swivel
S300-422	SW-9	-	-	-	1/4-20 x 9/16"	-	Swivel
S300-424	PR-12	-	-	-	-	12"	5/16" dia. push rod
S300-426	PR-18	-	-	-	-	18"	5/16" dia. push rod
S300-428	PR-24	-	-	-	-	24"	5/16" dia. push rod
S300-430	PR-36	-	-	-	-	36"	5/16" dia. push rod
S300-432	PR-48	-	-	-	-	48"	5/16" dia. push rod

Westwood



**HIGH TEMPERATURE GLASSWARE**

BOROSILICATE &amp; SODA LIME WINDOW GLASS

**OBSERVATION PORTS****Clear - Soda Lime Window Glass - Male Pipe Thread Mount - 500° F**

 No.	Reference No.	Pipe Thread	Working Pressure
S305-37	OBS-38	3/8"- NPT	3,700 PSI
S305-50	OBS-50	1/2"- NPT	3,500 PSI
S305-75	OBS-75	3/4"- NPT	3,000 PSI
S305-100	OBS-100	1"- NPT	2,500 PSI
S305-125	OBS-125	1-1/4"- NPT	2,000 PSI
S305-150	OBS-153	1-1/2"- NPT	1,500 PSI

**ROUND SIGHT GLASSES - Clear - Borosilicate Glass - 400° F**

Diameter	 No.			Diameter	 No.		
	1/8" Thick	3/16" Thick	1/4" Thick		1/8" Thick	3/16" Thick	1/4" Thick
1"	S312-100	S318-100	S325-100	2-5/8"	S312-262	S318-262	S325-262
1-1/8"	S312-112	S318-112	S325-112	2-3/4"	S312-275	S318-275	S325-275
1-3/16"	S312-118	S318-118	S325-118	3"	S312-300	S318-300	S325-300
1-1/4"	S312-125	S318-125	S325-125	3-1/8"	S312-312	S318-312	S325-312
1-3/8"	S312-137	S318-137	S325-137	3-3/16"	S312-318	S318-318	S325-318
1-7/16"	S312-143	S318-143	S325-143	3-1/4"	S312-325	S318-325	S325-325
1-1/2"	S312-150	S318-150	S325-150	3-3/8"	S312-337	S318-337	S325-337
1-5/8"	S312-162	S318-162	S325-162	3-7/16"	S312-343	S318-343	S325-343
1-3/4"	S312-175	S318-175	S325-175	3-1/2"	S312-350	S318-350	S325-350
2"	S312-200	S318-200	S325-200	3-5/8"	S312-362	S318-362	S325-362
2-1/8"	S312-212	S318-212	S325-212	3-3/4"	S312-375	S318-375	S325-375
2-3/16"	S312-218	S318-218	S325-218	4"	S312-400	S318-400	S325-400
2-1/4"	S312-225	S318-225	S325-225	4-1/2"	S312-450	S318-450	S325-450
2-3/8"	S312-237	S318-237	S325-237	5"	S312-500	S318-500	S325-500
2-7/16"	S312-243	S318-243	S325-243	6"	S312-600	S318-600	S325-600
2-1/2"	S312-250	S318-250	S325-250				

Special size round, square, rectangular shapes, and colors available. Consult the factory for price and delivery.

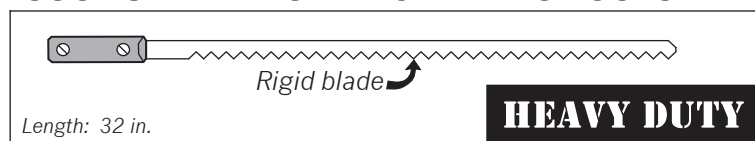
## BOILER & FURNACE CLEANING ITEMS

### "SERVICE-SAW" BOILER SCALE BUSTING TOOL

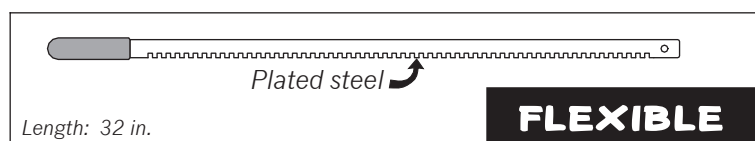


 No. S400

### "SOOT SABER" BOILER CLEANING TOOLS

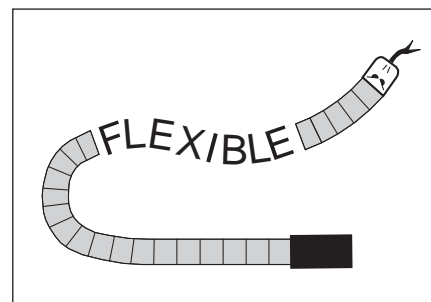


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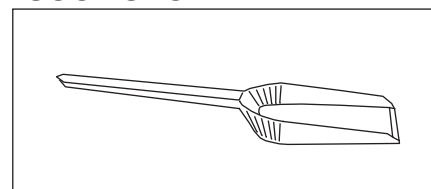
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### "SOOT SNAKE" VAC HOSE



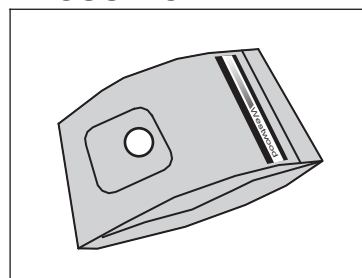
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### SOOT SHOVEL

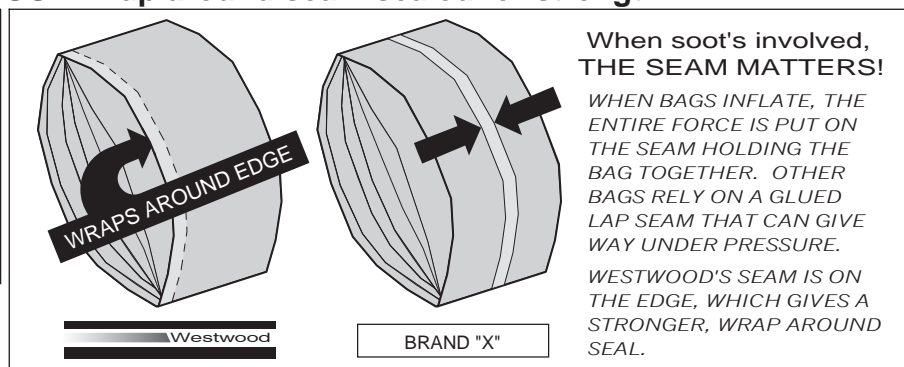


 No. S412


### VACUUM CLEANER BAGS - Wrap around seam sealed for strength



 No. S450-14, -15





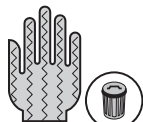
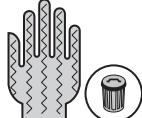
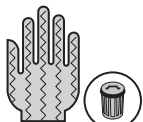



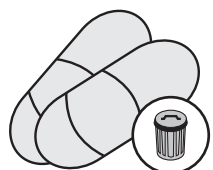
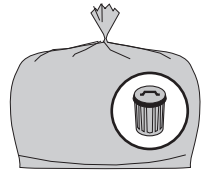
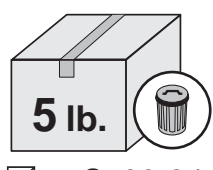
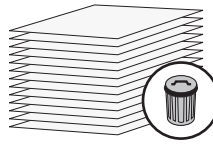
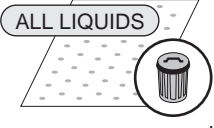
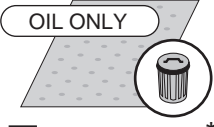


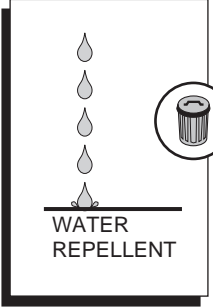
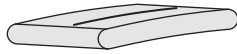
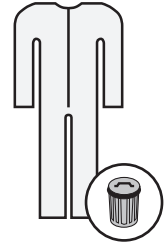


### CLEANING TOOLS & VACUUM CLEANER BAGS

 No.	Reference No.	Description
S400	Service-Saw	"Service-Saw" boiler scale cleaning tool, tempered steel saw blade, plastic handle
S402	-	"SOOT SABER" Heavy Duty (rigid) boiler cleaning tool, zinc coated steel, wood handle
S405	-	"SOOT SABER" Flexible boiler cleaning tool, zinc coated steel, soft vinyl handle
S410	-	"SOOT SNAKE" Flexible steel vacuum cleaner hose, 7/8" dia., 48" long, with installed rubber adapter to fit a standard 1-1/2" rubber vacuum cleaner hose
S412	-	Soot Shovel, 4-1/2" wide, 19-1/2" long, steel with black enamel finish
S450-14	-	Style 4464 (3-1/2 gal.) vacuum cleaner bags. Fits Mastercraft 605, 641, 1100, 6500 and others; Sid Harvey S12. Package of 5 bags
S450-15	-	Style 4465 (5 gal.) vacuum cleaner bags. Fits Mastercraft 652, 653, 880, 990, 1005, 1010, 1015, 1200, 7000, 13008, D6508, D6520, D6530, W6508, W6509, W6510, 6513, and others; Sid Harvey S14. Package of 5 bags



# Safety and Spill Cleanup Supplies

CLOTH	NITRILE GLOVES			MASKS
 <p><input checked="" type="checkbox"/> No. <b>S500</b> PAIR Brown jersey gloves man's hand size</p>  <p><input checked="" type="checkbox"/> No. <b>S500-2</b> PAIR White canvas gloves cotton/polyester blend man's hand size</p>	 <p>BOX OF 100 Disposable oil resistant blue 5 mil nitrile gloves</p> <p><input checked="" type="checkbox"/> No. <b>S500-4</b> LARGE <input checked="" type="checkbox"/> No. <b>S500-6</b> X-LARGE</p>  <p><input checked="" type="checkbox"/> No. <b>S500-8*</b> ONE PAIR Reusable heavy duty oil resistant nitrile gloves, man's hand size</p>	 <p>BOX OF 100 MAX-GRIP 6 mil Disposable oil resistant black, 6 mil nitrile gloves, with non-slip textured 4 mil ridges</p> <p><input checked="" type="checkbox"/> No. <b>S500-5</b> LARGE <input checked="" type="checkbox"/> No. <b>S500-7</b> X-LARGE</p>  <p>BOX OF 48 12" LONG NON SLIP GRIP Disposable oil resistant yellow 6 mil nitrile gloves, with non-slip textured 4 mil ridges</p> <p><input checked="" type="checkbox"/> No. <b>S500-13</b> LARGE <input checked="" type="checkbox"/> No. <b>S500-15</b> X-LARGE</p>	 <p>BOX OF 50 MAX-GRIP 7 mil Disposable oil resistant orange, 7 mil nitrile gloves, with non-slip textured 4 mil ridges</p> <p><input checked="" type="checkbox"/> No. <b>S500-9</b> LARGE <input checked="" type="checkbox"/> No. <b>S500-11</b> X-LARGE</p>	 <p>EACH Disposable dust mask, elastic strap</p> <p><input checked="" type="checkbox"/> No. <b>S500-10</b> not rated</p> <p><input checked="" type="checkbox"/> No. <b>S500-12</b> N95 rated</p>
GLASSES				
 <p>PAIR Safety Glasses adjustable, plastic</p> <p><input checked="" type="checkbox"/> No. <b>S500-14</b> clear lenses</p> <p><input checked="" type="checkbox"/> No. <b>S500-16</b> smoked lenses</p>				
GOGGLES	SHOE COVERS	BAGS	RAGS	WIPES
 <p><input checked="" type="checkbox"/> No. <b>S500-18*</b> EACH Plastic splash goggles, elastic strap</p>	 <p><input checked="" type="checkbox"/> No. <b>S500-20</b> PAIR Disposable non-woven fabric slip-on shoe covers</p>	 <p><input checked="" type="checkbox"/> No. <b>S500-22*</b> PACKAGE OF 20 7 bu. plastic (3 mil.) contractor disposal bags</p>	 <p><input checked="" type="checkbox"/> No. <b>S500-24</b> Rags (t-shirt mat'l) mixed colors</p> <p><input checked="" type="checkbox"/> No. <b>S500-25</b> Rags 18" x 18" white cotton</p>	 <p><input checked="" type="checkbox"/> No. <b>S500-26</b> PACKAGE OF 100 Flat paper wipes, 13" x 13"</p>
PADS	SOCKS	DROP CLOTH	SPILL KIT	COVERALLS
 <p><input checked="" type="checkbox"/> No. <b>S500-28*</b> PACKAGE OF 100 Absorbent pads 15" x 18" x 1/8" thick</p>  <p><input checked="" type="checkbox"/> No. <b>S500-30*</b> PACKAGE OF 100 Absorbent pads 15" x 18" x 1/8" thick</p>	 <p><input checked="" type="checkbox"/> No. <b>S500-32*</b> PACKAGE OF 40 Absorbent socks 3" dia. x 48" long</p>  <p><input checked="" type="checkbox"/> No. <b>S500-34*</b> PACKAGE OF 40 Absorbent socks 3" dia. x 48" long</p>	<p><b>5' x 8'</b> (Approximately)</p>  <p><input checked="" type="checkbox"/> No. <b>S500-36</b> EACH Large non-woven fabric drop cloth, water repellent</p>	 <p><b>Spill Kit in Heavy Duty Zippered Carrying Bag</b></p> <p>Contains: 1 - splash goggles 1 - pr. nitrile reusable gloves 2 - contractor bags 1 - All liquid absorbent sock 1 - Oil only absorbent sock 5 - All liquid absorbent pads 5 - Oil only absorbent pads 1 - Heavy duty clear plastic zippered carrying bag</p> <p><input checked="" type="checkbox"/> No. <b>S500-38</b> EACH Economy Spill Kit in zippered carrying bag</p>	 <p><b>Full Body Coverall</b> Disposable, white non-woven fabric</p> <p><input checked="" type="checkbox"/> No. <b>S500-50</b> LARGE</p> <p><input checked="" type="checkbox"/> No. <b>S500-60</b> X - LARGE</p>

\* Part of the S500-38 Economy Spill Kit (see listing above for quantities of each included in the kit).

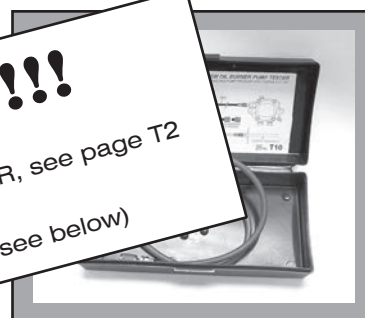

Westwood


**"PRESSURE-VIEW" OIL BURNER PUMP TESTER**

- ▶ Quick-connect fittings
- ▶ Brass construction
- ▶ Fits popular 3/16"
- ▶ Stainless steel liquid
- ▶ Easy-to-follow instructions

**SUPERCEDED!!!**


by the **NEW T11** "FITZ-ALL" TESTER, see page T2  
(parts for the T10 are still available, see below)


 No. T10
**T10 TESTER PARTS**

 No.	Description
<b>T10-3</b>	Replacement adaptor fittings for T10 tester, 3/16" X 1/4" flare, Pkg. of 2
<b>T10-4</b>	Replacement rubber quick-connect seats (gaskets) for T10 tester, Pkg. of 12
<b>T10-5</b>	Replacement hose set (2 color coded hoses) with fittings for T10 tester
<b>S100-280</b>	Replacement Liquid Filled 0-300 PSI Pressure Gauge for T10 tester


**"VACUUM-VIEW" SUCTION LINE ANALYZER**

- ▶ Thick clear tubing does not collapse from vacuum
- ▶ All brass with stainless steel tubing clamps
- ▶ Fits popular 3/8" and 1/2" suction line fittings
- ▶ Stainless steel liquid filled gauge, range 0 - 30" Hg
- ▶ Easy-to-follow instructions - rugged carrying case


 No. T15

Analyze suction line problems (ie. air leaks, restrictions, dirt, etc.) using this clear tubing service tool. Vacuum gauge liquid dampens pulsation allowing precise measurement and protects gauge from hydraulic shock damage. Actually see what's happening inside that problem suction line! Complete instructions and "Service Truck Tough" carrying case.

**OIL BURNER PUMP VACUUM TESTER**

 No.	Description
<b>T15</b>	Complete suction line analyzer w/case, adaptor fittings and instructions
<b>T15-1</b>	Replacement adaptor fittings for T15 tester, 1/2" suction line, Pkg. of 2
<b>T15-2</b>	Replacement clear tubing w/clamps for T15 tester
<b>S100-290</b>	Replacement Liquid Filled 0-30" Hg. Vacuum Gauge for T15 tester



Take a look ...

For testing RIELLO pumps see pages T2 &amp; T3



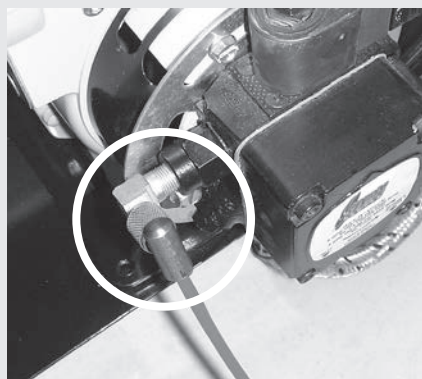
**New!**

Westwood

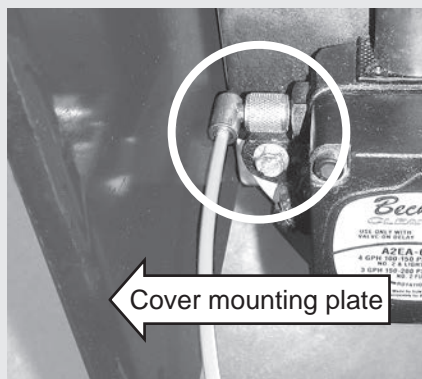
**"FITZ - ALL" OIL BURNER PUMP TESTER****The first NEW design in pump testers in over 25 years!**

Tests: Standard burners  
Beckett w/cover (Burnham AFG, NX, etc.)  
Riello

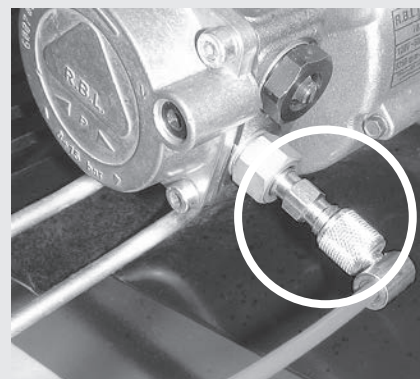
- ✓ Angle connector for **hard to reach** connection to **Beckett** pumps
- ✓ Quick-connect fittings have built-in seals and require only **finger tightening**
- ✓ Super **flexible** micro diameter color coded high pressure hoses
- ✓ Fits popular 3/16" flare nozzle line fittings - comes with adaptors for **Riello** pumps (European thread) and 1/4" flare nozzle line fittings
- ✓ **Stainless steel liquid filled** gauge with **0 - 300 PSI** range
- ✓ **Rugged** carrying case with easy-to-follow **instructions**

**CONNECTS EASILY TO WHAT'S OUT THERE!**

**STANDARD**  
(90° or straight flare  
fitting in nozzle port)



**BECKETT with cover**  
(hard to reach pump fitting  
due to cover mounting plate)





**RIELLO**  
(European thread adaptor  
fits in pump bleeder port)

Choose between pressure measurement and cut-off test\* with just the turn of the knob - no disconnecting! Fits standard 3/16" flare nozzle line fittings. Includes adaptors for 1/4" flare nozzle line fittings and for Riello pumps (European threads). Super flexible small diameter high pressure tubing and quick-connect fittings allow fast hook-up with just finger tightening. "Service Truck Tough" carrying case with complete instructions.

\* Not used for checking cut-off on Riello pumps

**"FITZ-ALL" OIL BURNER PUMP PRESSURE & CUT-OFF TESTER**

 No. T11

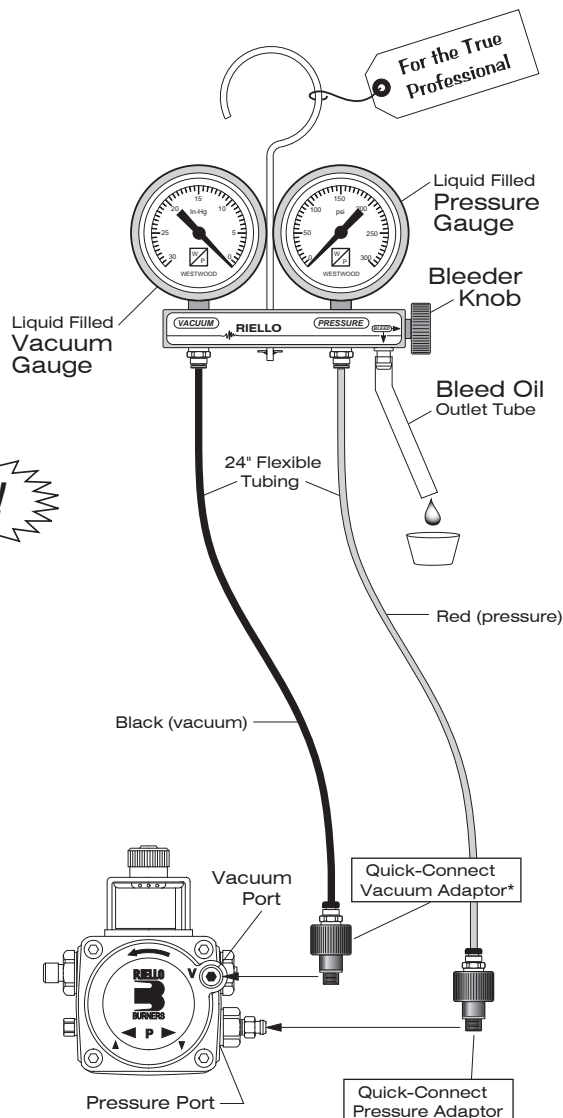
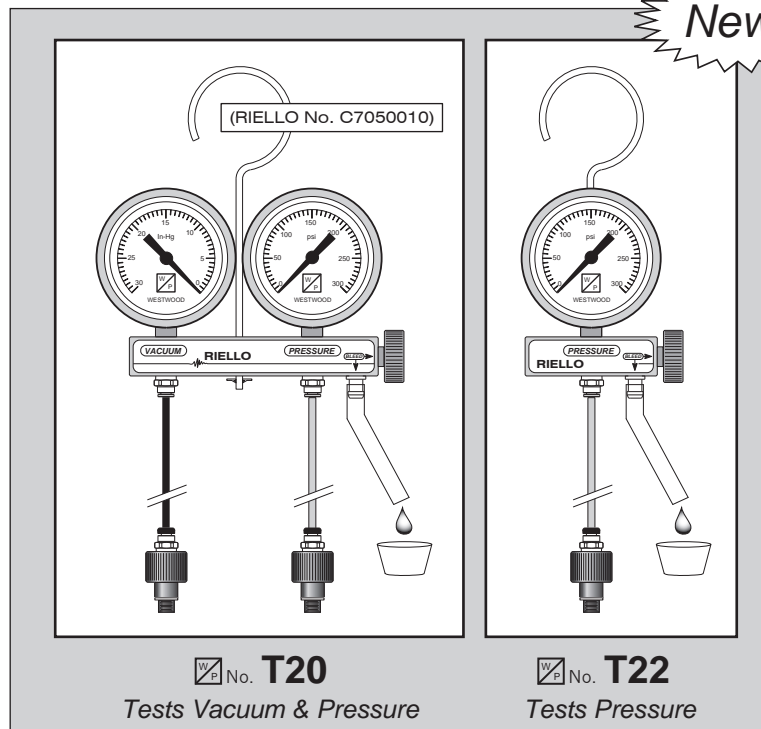
 No.	Description
T11	Complete oil burner pump tester w/case, adaptors and instructions
T11-3	Replacement adaptors for T11 tester, (2) 3/16" X 1/4" flare, (1) Riello
T11-4	Replacement rubber quick-connect seals (gaskets) for T11 tester, Pkg. of 12
T11-5	Replacement hose set (2 color coded hoses w/fittings) for T11 tester
S100-280	Replacement Liquid Filled 0-300 PSI Pressure Gauge for T11 tester

**T2**


## RIELLO PUMP TESTERS

The first tester specifically designed for the Riello pump! Quick-Connect European thread adaptors mount easily on the pump with just finger tightening. The 24" color coded flexible lines allow the tester to be placed in any convenient location for remote reading of the pump pressure and vacuum.

- Quick-connect European thread fittings require only finger tightening
- Liquid Filled gauges dampen pulsation - no hydraulic shock
- "Service Truck Tough" case



\*Can also be used on older pumps that have the vacuum port on the side of the pump.

 No.	RIELLO No.	Description
T20	C7050010	Complete RIELLO tester with case, liquid filled gauges, Quick-Connect adaptor fittings
T20-10	-	Replacement hose set (1 ea. Red and Black) for T20 tester (hose only, no fittings)
T20-12	-	3 "O" rings for T20 Bleed Knob and 3 "O" rings for Quick Connect adaptor fittings
T20-14	-	Replacement Nylon washer for T20 and T22 tester Quick-Connect adaptors, Pkg. of 6
T20-16	-	Replacement "Drip Cap" for T20 and T22 tester Quick-Connect adaptors, Pkg. of 6
T20-18	-	Replacement carrying case for T20 tester
T20-20	-	Hose set for T20, Red and Black (includes hoses and fittings)
T22	-	RIELLO pressure tester with case, liquid filled gauge, Quick-Connect adaptor fitting
T22-10	-	Replacement hose (Red) for T22 tester (hose only, no fittings)
T22-18	-	Replacement carrying case for T22 tester
T22-20	-	Hose set for T22 (Red, includes hose and fittings)
S100-285	-	Replacement Liquid Filled 0-300 PSI pressure gauge (2-1/2" face) for T20 and T22
S100-295	-	Replacement Liquid Filled 0-30" Hg. vacuum gauge (2-1/2" face) for T20



Take a look ...

For testing SUNTEC & WEBSTER pumps see pages T1 & T2

Please order by  No.

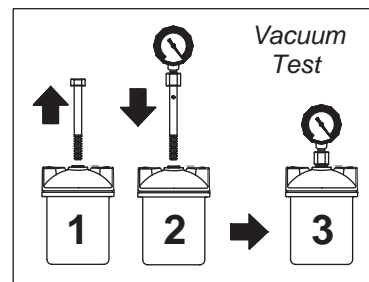
rev. 3-23-17

**T3**


Westwood

**"VAC-PROBE" OIL LINE ACCESS PORT**

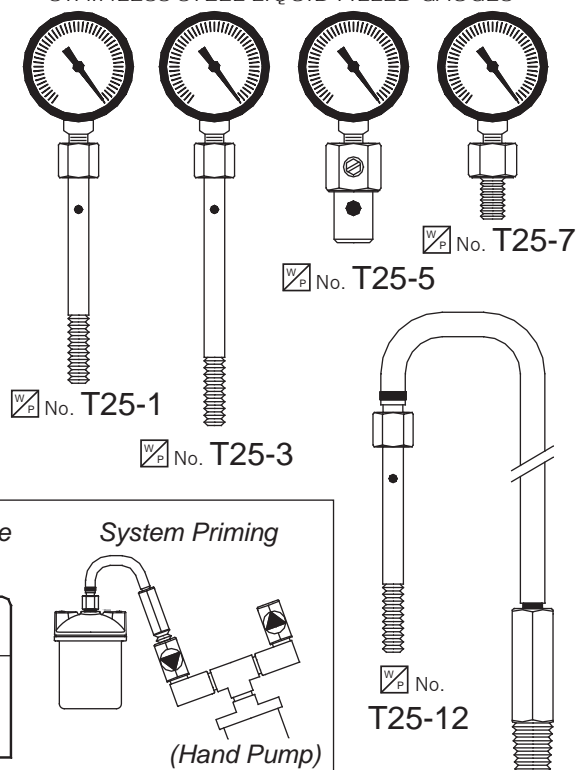
Allows access to oil lines without opening or disconnecting fittings. Installed in place of the center bolt on the line filter it allows not only vacuum tests to be made quickly and neatly, but also affords easy access to the fuel system for pump priming and connection of a temporary oil line (run outs). One piece solid steel construction.




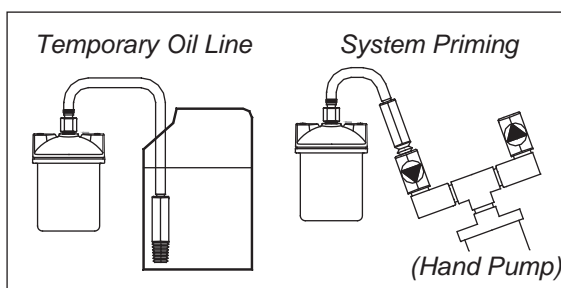
- ▶ Quickly and neatly access fuel system without disconnecting fittings!
- ▶ Liquid filled gauge dampens pulsation allowing precise measurement and protects gauge from hydraulic shock damage
- ▶ Models available for all popular heating oil line filters

 No.	Description
T25	Vac-Probe Kit; (1) Vacuum gauge, (4) Vac-Probes-1 ea.
T25-1	Vac-Probe w/gauge for small General 1A style filter
T25-2	Vac-Probe No. T25-1, less gauge
T25-3	Vac-Probe w/gauge for large General 2A style filter
T25-4	Vac-Probe No. T25-3, less gauge
T25-5	Vac-Probe w/gauge for Fulflo FB4, FB6, FB8, FB10
T25-6	Vac-Probe No. T25-5, less gauge
T25-7	Vac-Probe w/gauge for Firomatic C-40, C-50
T25-8	Vac-Probe No. T25-7, less gauge

STAINLESS STEEL LIQUID FILLED GAUGES



 No.	Vac-Probe Run Out Adaptor*
T25-12	For small General 1A style filter
T25-14	For large General 2A style filter
T25-16	For Fulflo FB4, FB6, FB8, FB10 filters
T25-18	For Firomatic C-40, C-50 filters




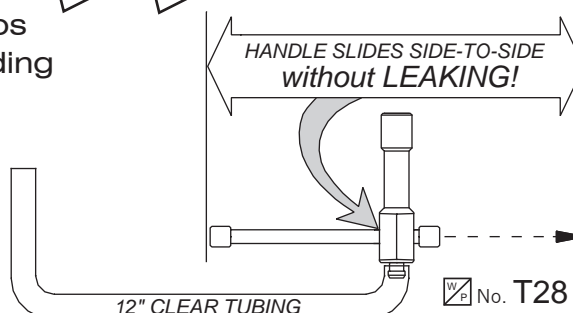
\*Vac-Probe w/48" flexible hose connected to a heavy weight 3/8" NPT hand pump connection adaptor. Adaptor easily connects to a hand pump, or serves as a hose end weight when drawing oil from a can.

Westwood

**"FLO-THRU"****Sliding Handle****BLEED WRENCH**

- ▶ Quickly and neatly bleed oil burner pumps
- ▶ Handle slides side-to-side for easy bleeding

 No.	Description
T28	Bleed Wrench with 12" hose
T28-2	Replacement hose, Pkg. of 6

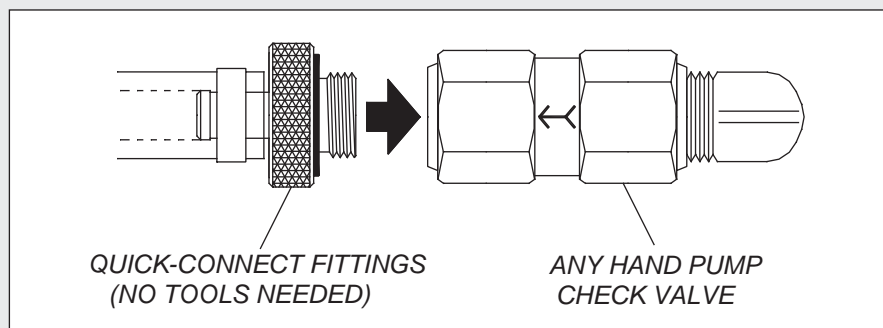


Westwood

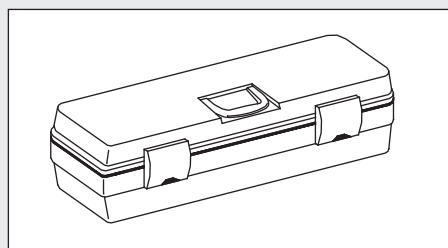
**"EASY ANGLE" PRESSURE & VACUUM HAND PUMPS**

Hand operated piston pumps with built-in check valves for use with liquids and air. Ideal for clearing plugged oil lines, priming pumps, transferring liquids, and adding chemicals to boilers.

- Unique "EASY ANGLE" 120° valve angle makes connections easy
- Two Sizes - Standard and High Capacity
- High Capacity model gives 50% more volume per stroke!
- Exclusive center port for installation of a compound gauge allows monitoring of the system pressure and vacuum during operation
- Comfortable "T" handle and protective vinyl sleeve on barrel
- Quick-connect hose set attaches to hand pump using no tools! (Same, no tools needed connection to all popular hand pumps)


 No. **T30-4**

QUICK-CONNECT FITTINGS &amp; HOSE SET


 No. **T30-6**

CARRYING CASE FOR T30 &amp; T30-4


 No. **S100-402**
CENTER PORT COMPOUND GAUGE  
30" Hg. - 150 PSI (2" FACE, 1/8" NPT)

No.	Description
<b>T30</b>	Standard hand pump w/ 1/8" NPT center access port
<b>T30-1</b>	High capacity hand pump w/ 1/8" NPT center access port
<b>T30-4</b>	Quick-connect, no tools needed fittings and hoses set
<b>T30-6</b>	Plastic carrying case for T30 hand pump, fittings and hoses
<b>T30-8</b>	"O" ring for T30, -1 and all 1-1/4" barrel pumps, Pkg. of 2
<b>S100-402</b>	Compound pressure-vacuum gauge for center access port
<b>S230</b>	Replacement check valve, 3/8" NPT, genuine Firomatic®



3/8" NPT Fittings  
100 PSI max  
27" Hg vacuum

 No. **T30-1**  
HIGH CAPACITY

 No. **T30**  
STANDARD  
(gauge optional)

 No. **T30-4**  
QUICK-CONNECT  
FITTINGS & HOSE SET

Contents:  
2 - 2 FT Hoses  
1 - 1/2" Flare Adapter  
1 - Garden Hose Adapter  
2 - Hose Caps



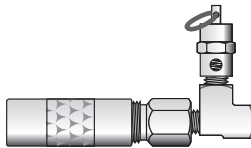






Westwood

**CO<sub>2</sub> BLOW OUT GUNS & KITS**

FOR QUICKLY CLEARING PLUGGED LINES  
ALL BRASS CONSTRUCTION



 No.	Reference No.	Description & Representative Picture
T32	ML-3	CO <sub>2</sub> blow out gun for clearing clogged oil lines and instrument transmission lines. Built-in check valve allows spent cartridge to be removed without loss of pressure. 
T32-10	ML-3-150	CO <sub>2</sub> blow out gun with built-in safety valve. Limits pressure at outlet of gun to 150 PSI. Since CO <sub>2</sub> cartridges produce approximately 800 PSI, the additional pressure is relieved should a severely restricted line be encountered. 
T32-11	ML-3-150-UPG	150 PSI safety valve upgrade kit for blow out gun (Relief valve and angle adapter, 1/8"-NPT) 
T32-15	ML-3-P1000	CO <sub>2</sub> blow out gun with 1,000 PSI pressure gauge. Accurately monitors pressure in the line during clearing. Constant pressure indicates line is blocked; falling pressure means blockage is moving; no pressure means line is clear. Complete kit includes blow out gun with gauge, box of CO <sub>2</sub> cartridges, plastic carrying case, and instructions 
T32-16	ML-3-PQ	CO <sub>2</sub> blow out gun with Quick-Connect Kit for quickly connecting to different line sizes. Kit includes blow out gun with 1,000 PSI pressure gauge, quick-connect coupling, (1) ea. 3/8" & 1/2" compression connectors, (1) ea. 3/8" & 1/2" flare connectors, plastic carrying case, and instructions 
T32-20	QCK-1 Kit	Quick-Connect Fittings Kit (blow out gun not included). Contains quick-connect coupling, (1) ea. 3/8" & 1/2" compression connectors, (1) ea. 3/8" & 1/2" flare connectors 
T32-25	"O" rings	Replacement "O" ring for blow out gun, package of 6



Take a look ...

CO<sub>2</sub> CARTRIDGES on page T7

rev. 5-1-07








Westwood

## CO<sub>2</sub> CARTRIDGES


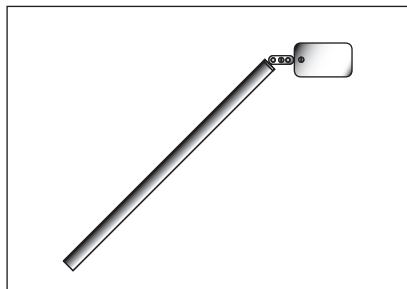

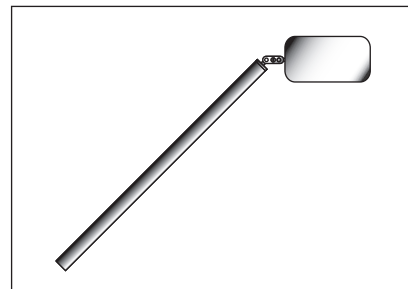

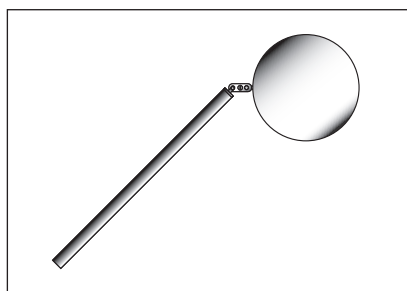
 No.	Reference No.	Description
T32-30	CO <sub>2</sub> Cartridges	CO <sub>2</sub> cartridges, 8 gram, 800 PSI, Box of 10*


\* 36 boxes of 10 cartridges per case

Westwood

## FLAME MIRRORS & PILOT LIGHTERS

### Telescoping Handle

 No. T34-10 No. T34-15 No. T34-25 No. T34-35 No. T34-40

 No.	Reference No.	Description
T34-10	MR-1X2	1-1/4" x 2" telescoping rectangular flame mirror
T34-15	MR-2X3	2" x 3-3/4" telescoping rectangular flame mirror
T34-25	MR-4	4-1/4" diameter telescoping round flame mirror
T34-35	ML-26	24" telescoping pilot lighter
T34-40	12" Lighter	12" pilot lighter, plated handle, non-telescoping

Westwood is proud to introduce the **BRIGON** line of quality combustion test equipment. One of the world's oldest and most respected manufacturers of test equipment for the heating industry, **BRIGON** offers advanced European technology at an affordable price. And while the **BRIGON** name may be unfamiliar in North America, the products will be immediately recognized as interchangeable with test equipment widely used here today.


Westwood

### OIL BURNER COMBUSTION TEST KIT

**BRIGON**

#### T35 TEST KIT CONTAINS:

- CO<sub>2</sub> Indicator
- CO<sub>2</sub> Indicator sampling assembly
- Stack thermometer - 900° F
- Draft gauge & sampling hose assembly
- Smoke tester with smoke test paper and smoke scale
- Efficiency calculating slide rule
- Steel carrying case


 No. T35


Westwood


### OIL BURNER CO<sub>2</sub> INDICATOR KIT

**BRIGON**

#### T36 TEST KIT CONTAINS:

- CO<sub>2</sub> Indicator
- CO<sub>2</sub> Indicator sampling assembly
- Efficiency calculating slide rule
- Carrying case


 No. T36


 No.	Description	Replaces Bacharach
T35	<b>BRIGON</b> Oil burner combustion test kit with carrying case	10-5022
T35-1	T35 kit with smoke tester & stack thermometer manufactured by Westwood	10-5022
T36	<b>BRIGON</b> CO <sub>2</sub> indicator kit with carrying case	10-5000
T36-2	<b>BRIGON</b> CO <sub>2</sub> indicator only	11-7032
T36-10	Replacement sampling assembly for <b>BRIGON</b> and Bacharach CO <sub>2</sub> indicator	11-7029
T36-12	Replacement bulb only for <b>BRIGON</b> and Bacharach sampling assembly	11-0120
T36-14	Replacement red (in) check valve for <b>BRIGON</b> and Bacharach sampling assembly	11-0138
T36-15	Replacement green (out) check valve for <b>BRIGON</b> and Bacharach sampling assembly	11-0127
T36-16	Replacement rubber hose for <b>BRIGON</b> and Bacharach sampling assembly	11-0119
T36-18	Replacement filter tube w/yarn for <b>BRIGON</b> and Bacharach sampling assembly	11-0130
T36-20	<b>BRIGON</b> Efficiency calculating charts	-

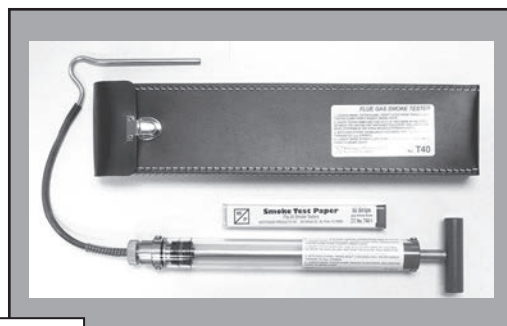
Westwood

**SMOKE TESTER - POLYCARBONATE BARREL**

- ▶ Virtually unbreakable Polycarbonate barrel
- ▶ Hardware all Brass and Stainless Steel
- ▶ Sampling tube hooks into smokepipe
- ▶ Fits into **BRIGON** and Bacharach cases
- ▶ Lifetime silicone lubrication

POLYCARBONATE  
no dents, no corrosion!

 No. T40



Reliable and durable instrument for measuring the smoke number of a flue gas sample. Flue gas is taken from an opening in the flue pipe and drawn through the smoke test paper mounted in the tester. Comparison of the test paper with the smoke scale determines the smoke scale number.

*INCLUDES : SMOKE TESTER, SMOKE TEST PAPER, SMOKE SCALE, CARRYING CASE*

Westwood

**UNIVERSAL SMOKE TEST PAPER**

- ▶ Precut strips for use in all smoke testers
- ▶ Includes smoke scale
- ▶ Sturdy dust & dirt proof plastic package




 No. T40-1


*Pkg. of 50 strips  
with smoke scale*

**BRIGON****SMOKE TESTER**

- ▶ Corrosion proof construction
- ▶ Fits into **BRIGON** and Bacharach cases




 No. T41

 No.	Description	Replaces Bacharach
T40	Westwood polycarbonate barrel smoke tester kit with carrying case	21-7006
T40-1	Westwood Universal precut smoke test paper and smoke scale, Pkg. of 50 strips	21-0019
T41	<b>BRIGON</b> smoke tester	21-7006
T41-1	<b>BRIGON</b> smoke test paper, Pkg. of 40 papers	21-0019
T41-2	<b>BRIGON</b> smoke scale	21-0018
T41-5	<b>BRIGON</b> smoke tester lubricant	-


Westwood

**STAINLESS STACK THERMOMETER**

- Stainless steel construction
- 3" Face - 6" Insertion Probe
- Includes stack mounting clip
- Fits BRIGON and Bacharach cases
- Range: 200° - 1000° F



 No. T42
**BRIGON****STACK THERMOMETER**

- Stainless steel construction
- Fits BRIGON and Bacharach cases
- Range: 0° - 900° F


 No. T43
**BRIGON****DRAFT GAUGE**

- ▶ Precision instrument for accurate readings
- ▶ Tough, lightweight construction
- ▶ High visibility scale, -.25" to +.05" WC
- ▶ Requires no leveling for accurate readings
- ▶ 9' flexible hose with 5" draft probe

This precision instrument measures draft with accuracy not attainable with pocket draft or styrofoam ball and tube type gauges. Its high strength case stands up to daily use and will not damage the way Bakelite cases do.


 No. T45
**CO<sub>2</sub> INDICATOR  
SERVICE PARTS & FLUID**

FOR  
**BACHARACH & BRIGON**  
TESTERS


 No. T50-2, -5

 No. T50-3

 No. T50-4


 No.	Description	Replaces Bacharach
T42	Westwood stainless steel stack thermometer	12-7014
T43	<b>BRIGON</b> stack thermometer	12-7014
T45	<b>BRIGON</b> precision draft gauge	13-7019
T45-1	Replacement hose & probe for <b>BRIGON</b> draft gauge	-
T50-2	Westwood CO <sub>2</sub> Indicator Repair Kit, (1) Bottle CO <sub>2</sub> Fluid, Valve Plunger Seal, Top Gasket, Diaphragm, Screws, Filtering Material, Nitrile Gloves, for Bacharach	11-7052
T50-3	Westwood CO <sub>2</sub> Indicator Recharging Kit, (2) Bottles CO <sub>2</sub> Fluid, Top Gasket, Screws, Filtering Material, Nitrile Gloves, for Bacharach	11-7047
T50-4	Westwood CO <sub>2</sub> Indicator Fluid, (1) Bottle, for Bacharach and <b>BRIGON</b>	-
T50-5	Westwood Repair Kit for <b>BRIGON</b> CO <sub>2</sub> Indicator, (1) Bottle CO <sub>2</sub> Fluid, Valve Plunger Seal, Top Gasket, Diaphragm, Screws, Filtering Material, Nitrile Gloves	-

Westwood

**OIL BURNER IGNITION TRANSFORMER TESTER**

- ▶ Safely tests from the transformer's primary side
- ▶ Transformer remains on the burner for testing
- ▶ Detects early stages of transformer breakdown
- ▶ Easy access built-in fuse protects meter
- ▶ Simple, easy-to-read meter
- ▶ Plugs into 120 volt outlet (ie. trouble light)
- ▶ "Service Truck Tough" with high impact case

Test standard iron core 10,000 volt oil burner ignition transformers quickly and safely with this rugged, easy-to-use tester. All testing is done from the primary side of the transformer avoiding contact with the high voltage terminals. Tests transformer while mounted right on the burner. *(Note: Not for testing solid state igniters)*



 No. T60

Westwood

**CAD CELL RELAY & EYE TESTER**

- ▶ Tests primary control and eye right on the burner
- ▶ Simple, easy-to-read and understand ohmmeter
- ▶ Built-in flame simulators for all popular controls
- ▶ "Service Truck Tough" with high impact case

Test both cad cell primary control and flame detector eye simultaneously without removing components from the burner. Built-in flame simulators for all popular controls insure accurate diagnosis and testing.



 No. T70


Westwood

**"AMP-MASTER" THERMOSTAT CIRCUIT METER**

- ▶ Accurately measures thermostat control circuit draw to correctly adjust heat anticipator setting
- ▶ Meter dial matches T87F heat anticipator scale
- ▶ "Service Truck Tough" with high impact case

Precisely measures the thermostat control circuit current to allow correct setting of the heat anticipator. Avoids repeat service calls to remedy short cycling or override problems. Connects at either the thermostat or relay.


 No. T80

 No.	Description
T60	Standard 10,000 volt oil burner ignition transformer tester
T70	Cad cell primary control and flame detector eye tester
T80	"AMP-MASTER" thermostat heat anticipator meter



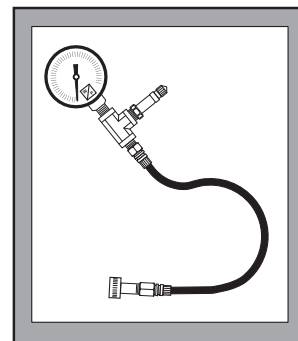
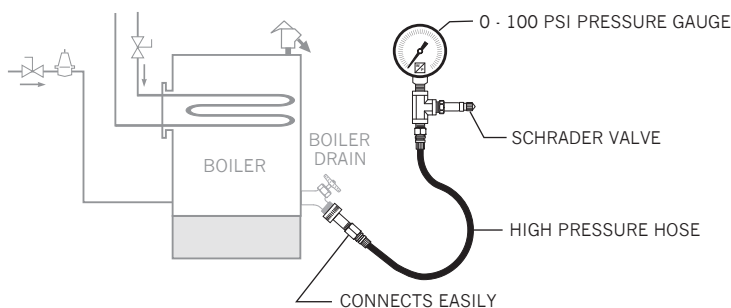
Westwood

**"EASY ACCESS" PRESSURE TESTER**

0 - 100 PSI PRESSURE GAUGE • ALL BRASS CONSTRUCTION

**FOR LEAK TESTING TANKLESS COILS  
AND PRESSURE TESTING NEW PIPING**

The ideal tester for checking tankless coils for leaks, and pressure testing new piping of all types prior to building code inspections. Easily connects to any convenient garden hose thread (ie. boiler drain valve, wash tub faucet, etc.) without disturbing any fittings in the system. Built-in Schrader valve allows system pressurization with just a simple bicycle pump. Comes in a rugged, "Service Truck Tough" high impact case.



No. T90

Westwood

**GAS PRESSURE TESTER**

- Precision 0-15" WC "EZ Read" gauge with color coded dial for natural and L. P. gas
- 36" flexible hose with 1/8"- NPT brass adaptor
- "Service Truck Tough" with high impact case

For setting pressure of natural and L. P. gas appliances without the troublesome inconvenience and mess of water filled manometers. Gauge is precision diaphragm type with a 2-1/2" color coded "EZ Read" dial.

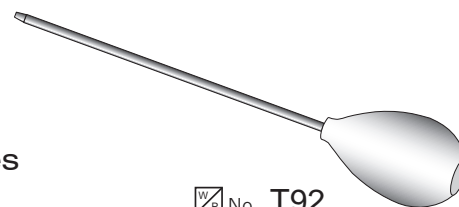


No. T91


Westwood

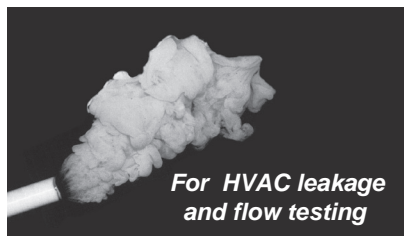
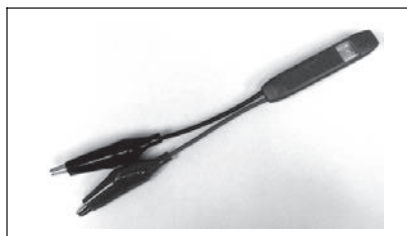
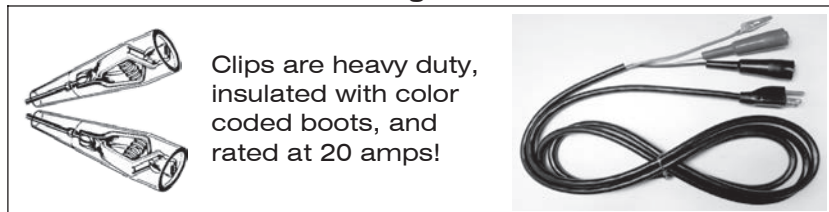
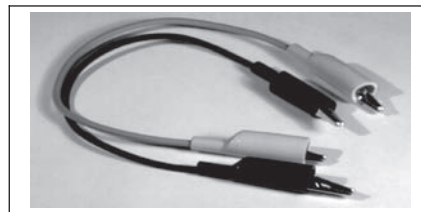

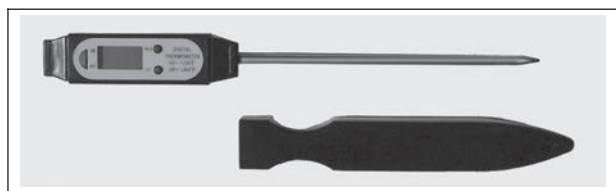
**"PILOT PUFFER" LINT & DUST BLOWER**


- Cleans hard-to-reach gas pilot burners and orifices
- Durable, rust proof 11" brass air tube
- Flexible, long life flexible rubber bulb




No. T92

 No.	Description
T90	"EASY ACCESS" tankless coil and piping pressure tester
T91	Gas pressure tester for natural and L.P. gas
T92	"PILOT PUFFER" gas pilot and orifice lint and dust blower

**SMOKE PRODUCTS**
 No. T95 (Series)
**LOW VOLTAGE TESTER**
 No. T100-10
**LINE VOLTAGE TESTER**
 No. T100-15
**CORD & CLIP SET - 8' Long**
 No. T100-50
**JUMPERS - Insulated & non-insulated**
 No. T100-70 through -84
**POCKET DIGITAL THERMOMETER**
 No. T100-120
**POCKET DIAL THERMOMETER**
 No. T100-125, -130
**SMOKE, VOLTAGE TESTERS, CORD & CLIP SET, JUMPERS, POCKET THERMOMETERS**

 No.	Reference No.	Description
T95-20	-	Smoke emitter sticks, 20 seconds of smoke per stick, package of 25 sticks
T95-22	-	Smoke emitter pen with 6 wicks, 30 seconds of smoke per test, 60 tests per wick
T95-24	-	Smoke emitter pen refill wicks, package of 6 wicks
T95-26	-	Smoke emitter cartridges, 90 seconds of smoke, package of 10 cartridges
T95-28	-	Smoke emitter cartridges, 3 minutes of smoke, package of 5 cartridges
T100-10	LV Tester	Pocket low voltage tester, 5 - 50 VAC/VDC
T100-15	SD Tester	Pocket screwdriver line voltage tester, bright red light, 70 - 250 VAC
T100-50	7328	110 VAC/15A cord & clip set, 8' long cold weather flexible wire, w/ground wire clip
T100-70	JW-12	18 gage stranded wire jumper, non-insulated clips, 12" long
T100-72	JW-18	18 gage stranded wire jumper, non-insulated clips, 18" long
T100-74	JW-36	18 gage stranded wire jumper, non-insulated clips, 36" long
T100-80	IJW-12	18 gage stranded wire jumper, insulated clips, 12" long
T100-82	IJW-18	18 gage stranded wire jumper, insulated clips, 18" long
T100-84	IJW-36	18 gage stranded wire jumper, insulated clips, 36" long
T100-120	HDT 303K	Pocket digital thermometer, range: -58° to +572° F
T100-125	T-160	Pocket dial thermometer, range: -40° to +160° F
T100-130	T-220	Pocket dial thermometer, range: 0° to +220° F

Appearance of testers and thermometers may vary from those shown

Please order by  No.

rev. 12-15-15

# T13

Westwood

**NAS<sup>gauge</sup>™ NOZZLE ASSEMBLY SETTING GAUGES**

NO GUESSWORK • NO BLIND ADJUSTMENTS • NO BURNER REMOVAL

Proper **NOZZLE - COMBUSTION HEAD** relationship without removing the burner!

- ▶ Gauges are made of high impact polystyrene for long service life
- ▶ The B-1 & W-1 gauges are also used to set the electrode tips
- ▶ Available individually or in a complete kit containing all three gauges

**B-1 For Beckett**Models AF, AFG, SR,  
SF with "F" heads and  
SF II with "FBX" head

No. T100-202

**A-1 For Aero**Models HF-US, SV,  
SSV, F-AFC, HF-AFC

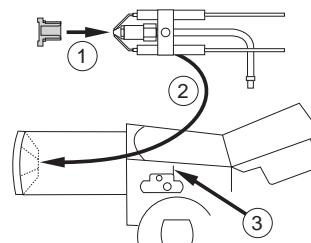
No. T100-204

**W-1 For Wayne**Models EG-1, M-SR,  
EH-SR, EHA-SR

No. T100-206

**EASY TO USE:**

1. Slide *NAS*gauge™ over the nozzle.
2. Insert nozzle assembly until it touches the combustion head.
3. Mark the position of the slide plate and remove *NAS*gauge™



No. T100-200 (Kit containing all 3 gauges)

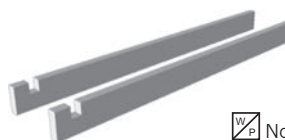
Westwood

**ELECTRODE GAUGE**

No. T100-220

Accurately sets electrode gap and placement from the nozzle based on nozzle spray angle.

Westwood

**ELECTRODE BENDERS**

No. T100-230

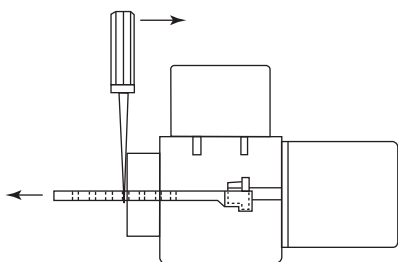
Pair of 5" long case hardened tools designed specifically for bending and adjusting electrode tips.

No.	Reference No.	Description
T100-200	NAS-ABW	NAS <sup>gauge</sup> ™ nozzle assembly setting gauge kit, (3) gauges, instructions
T100-202	NAS-B1	NAS <sup>gauge</sup> ™ nozzle assembly setting gauge for Beckett burners
T100-204	NAS-A1	NAS <sup>gauge</sup> ™ nozzle assembly setting gauge for Aero burners
T100-206	NAS-W1	NAS <sup>gauge</sup> ™ nozzle assembly setting gauge for Wayne burners
T100-220	Ignitor Gage	Electrode tip setting gauge
T100-230	TB-60	Electrode tip benders, 5" long case hardened steel, set of 2 benders

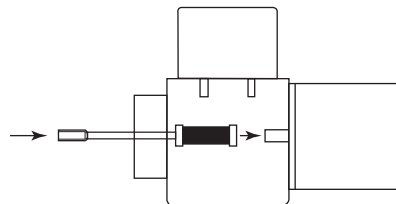
Westwood

## Coupler Popper™ with Coupler Aligner / Installer

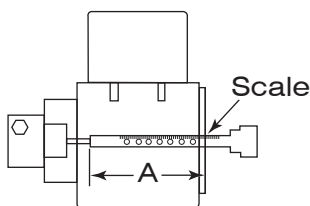
This handy tool removes coupling ends stuck on the motor shaft from the pump side of the burner. No need to remove the motor! It also measures the proper dimension to cut a new coupling for a perfect fit, installs couplings through the pump side of the burner, and centers the pump end of the coupling for perfect alignment with the pump shaft. A real time saver that no service tech should be without.



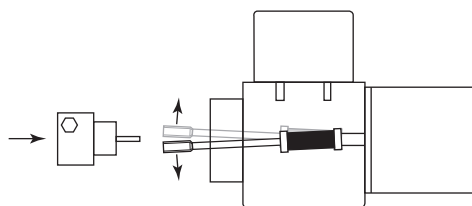
Removing stuck coupling end piece on motor shaft from pump side of burner



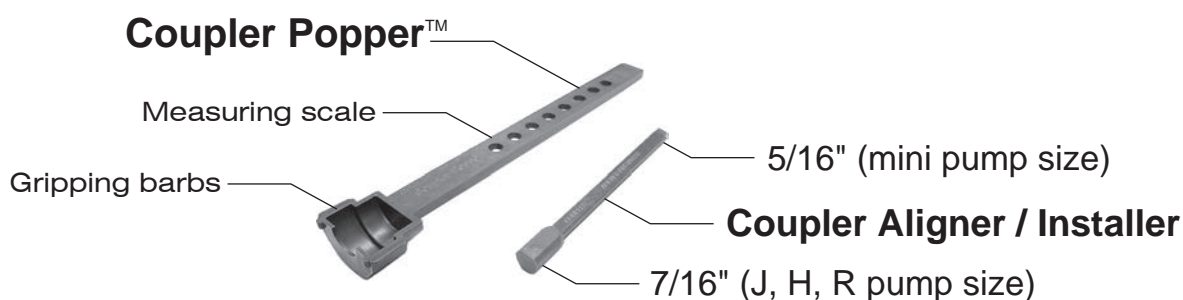
Using Aligner/Installer to install coupling on motor shaft from pump side of burner




Measuring for proper coupling length (dimension "A" minus 13 marks on the **Coupler Popper™** scale)



Using Aligner/Installer to center coupling end for perfect alignment with pump shaft



 No.	Ref. No.	Description
T100-300	CP-1	<b>Coupler Popper™</b> multi purpose coupling tool with Coupler Aligner/Installer

 Take a look . . .

COUPLING CUTTER on page T16

Westwood

**COUPLING & GAUGE GLASS CUTTERS*****Use the right tool for the job!***

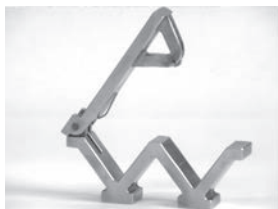
FIELD PROVEN • RUGGED CONSTRUCTION • QUALITY MATERIALS

**COUPLING CUTTER**

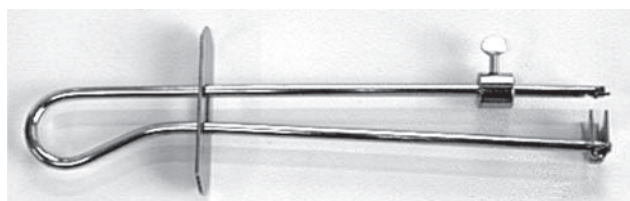
Cuts coupling shafts quickly and cleanly. No twisting or turning necessary. Cuts 1/8" to 1-1/4" O.D. rubber, polyethylene, neoprene, vinyl, PVC, etc. Reversible blade gives twice the blade life. Curved handles are easy on the hands.

 No. T100-310
**GAUGE GLASS CUTTERS**

Note: Always wear gloves and eye protection when working with glass




The only one recommended for cutting Red Line and High Pressure gauge glass. Cuts easily leaving a clean, straight edge. Just score and snap!

 No. T100-330

 No. T100-340

For cutting standard gauge glass. Cuts pieces as short as 1/2" or less. Set the stop to the desired length, squeeze the "trigger" and rotate the glass until it snaps cleanly in two.


 No. T100-350

For cutting standard gauge glass. Set the stop to the desired length, squeeze the handles and rotate the glass until it snaps cleanly in two.

 No.	Ref. No.	Description
T100-310	#35	Coupling cutter, heavy duty die cast metal handles, reversible blade
T100-312	#35 Blade	Replacement blade for T100-310
T100-330	WP-1	Gauge glass cutter for standard, Red Line, and High Pressure glass
T100-332	-	Replacement cutting wheel for T100-330
T100-340	#996	Gauge glass cutter with adjustable stop for standard glass
T100-342	#996-W	Replacement cutting wheel for T100-340
T100-350	RD-95	Gauge glass cutter for standard glass, adjustable stop, cast metal handles
T100-352	RD-95-W	Replacement cutting wheel for T100-350



Take a look...

T100-370 PORCELAIN CUTTER also cuts gauge glass, see page T17





Westwood

**PORCELAIN CUTTER*****Use the right tool for the job!****FIELD PROVEN • HEAVY DUTY CONSTRUCTION • HARDENED CUTTING WHEELS*
 No. T100-370
***NEW DESIGN! Easier to use!***

Replaces the old tool with external chain - no more wrapping the chain around! Powerful compound lever action snaps even the toughest oil burner porcelain. Hardened and tempered cutting wheels, sure-grip molded handles, hardened steel jaws, locking clasp, adjustable stop.

Westwood

**MASTER LINEMAN'S PLIERS & CRIMPER***The Grandson of the famous Rajah™ Crimping Tool!*
 No. T200-10

A service tech's dream come true! All the features of lineman's pliers, plus the ability to cut, strip, and crimp ignition cable and terminals. Hand fitted and finished to make this professional quality tool a joy to use and a pleasure to look at.

**CRIMPS**

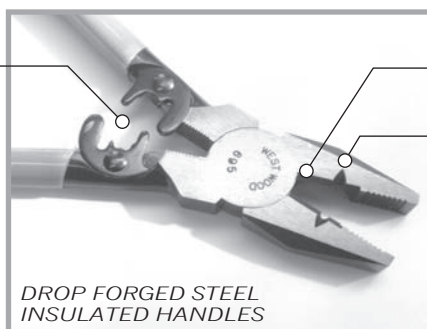
Genuine Rajah™  
STAR CRIMP




BEFORE

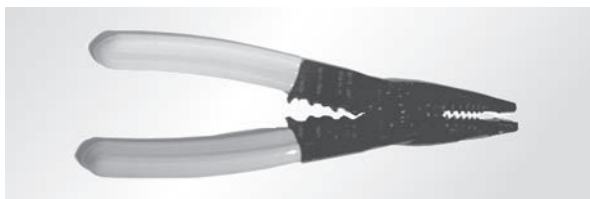


AFTER

**CUTS****STRIPS**

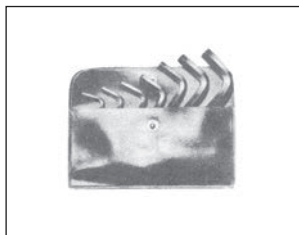
 No.	Ref. No.	Description
T100-370	#997	Porcelain cutter, heavy duty chain, hardened wheels & jaws
T100-372	-	Replacement cutting chain for T100-370
T200-10	#695	Master Lineman's Pliers & Terminal Crimper, drop forged steel, 8-1/2" long

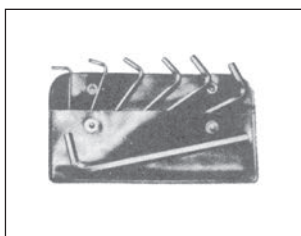
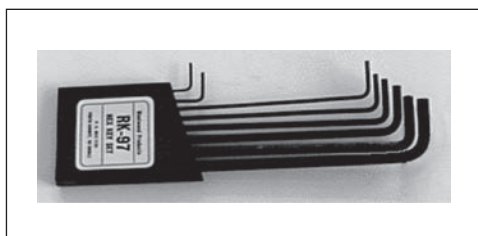
Westwood

**CRIMPING TOOL**
 No. T200-15

Cuts and strips #10 to #22 gage wire. Crimps standard insulated, non-insulated, and 7mm automotive type terminals. (for Rajah™ ignition terminals, see T200-10 Lineman's pliers and crimper on page T17)

Westwood

**HEX KEY WRENCH SETS****HEAT TREATED!**
 No. T200-50

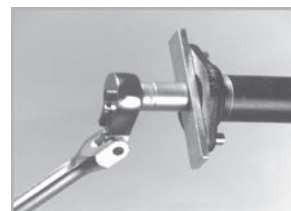
 No. T200-52

 No. T200-54

 No. T200-56


 No. T200-58

Westwood

**CIRCULATOR FLANGE TOOL**

For installing popular B&G and Taco circulator flanges on pipe. Use with a socket or wrench.


 No. T200-80

 No.	Ref. No.	Description
T200-15	#271	Cutting - Crimping - Stripping tool, for standard wire terminals
T200-50	LK-66	Long hex key set in pouch, 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4"
T200-52	SK-59	Short hex key set in pouch, 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4"
T200-54	XK104	6" long hex key set in pouch, 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4"
T200-56	RK-97	Hex key set in case, .050, 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32"
T200-58	HK-17	Folding hex key set, .050, 1/16", 5/64", 3/32", 1/8", 5/32", 3/16"
T200-80	FT-1	Circulator flange installation tool, square drive

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