

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

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.

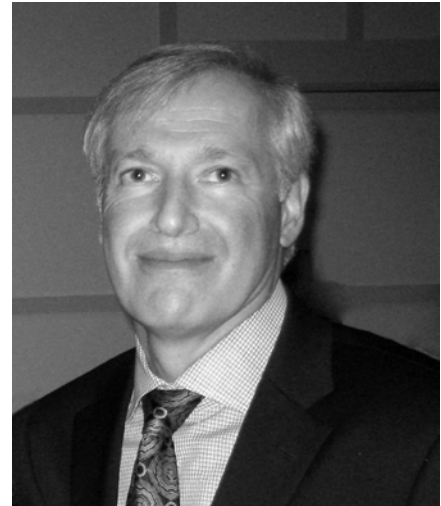
In keeping with today's trend toward renewable fuels, we have expanded the number of products that are "BIOFUELS COMPATIBLE". Look for our logo (shown below) throughout the new catalog.

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

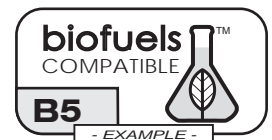


PUBLIC NOTICE OF RESTRICTED PRODUCT USE

 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.**

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.



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 REFERENCE |
| CHEMICALS 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 & HOT WATER HEAT | H |
| SERVICE PARTS & SUPPLIES PRODUCTS TO SERVICE & MAINTAIN HEATING SYSTEMS | S |
| TOOLS & TESTERS SPECIALIZED TOOLS & TESTERS FOR THE SERVICE TECH | T |
| COMPLETE ALPHABETICAL INDEX OF PRODUCTS | INDEX |

CROSS REFERENCE



(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"

| Reference No. | No. | Page | Reference No. | No. | Page | Reference No. | No. | Page |
|------------------|----------------|------|---------------|---------------|------|---------------|----------|------|
| Electrodes | E5 Series | E1 | #135 | S70-25 | S2 | 3607 | S213-7 | S13 |
| Rajah™ Terminals | E9 Series | E30 | #200 | S70-27 | S2 | 3608 | S213-8 | S13 |
| #1 | S70-30 | S2 | 250 BOOT | E9-250 BOOT | E34 | 3611 | S213-11 | S13 |
| #2 | S70-35 | S2 | 251 BOOT | E9-251 BOOT | E34 | 3612 | S213-12 | S13 |
| #3 | S70-40 | S2 | #271 | T200-15 | T18 | 3616 | S213-16 | S13 |
| #3 Gasket | H6-50 | H2 | 467 GASKET | E9-467 GASKET | E32 | 4030 | S90-10 | S9 |
| 3L V-Belts | S30 Series | S1 | 475-243 | S90-60 | S9 | 4230 | S90-12 | S9 |
| #4 | S70-45 | S2 | 475-287 | S90-62 | S9 | 4235 | S90-14 | S9 |
| 4FO-30 | F84-30 | F10 | 500 SHIELD | E9-500 SHIELD | E32 | 4725 | S90-16 | S9 |
| 4FO-IB | F84-36 | F10 | 575-287 | S90-64 | S9 | 4729 | S90-18 | S9 |
| 4FO-IBG | F84-48 | F10 | 625-400 | S90-66 | S9 | 4729-1 | S91-18 | S9 |
| 4L V-Belts | S40 Series | S1 | 686 BAR | E9-686 BAR | E32 | 4734 | S90-20 | S9 |
| 5L V-Belts | S50 Series | S1 | #695 | T200-10 | T17 | 4734-1 | S91-20 | S9 |
| 6FO-30 | F85-30 | F10 | 951-57 | S91-74 | S9 | 5220 | S90-22 | S9 |
| 8FO-30 | F86-30 | F10 | 951-78 | S90-68 | S9 | 5220-1 | S91-22 | S9 |
| #9 | S70-9 | S2 | 951-81 | S90-70 | S9 | 5225 | S90-24 | S9 |
| #10 | S70-10 | S2 | 951-170 | S91-72 | S9 | 5225-1 | S91-24 | S9 |
| 10FO-30 | F87-24 | F10 | #996 | T100-340 | T16 | 5229 | S90-26 | S9 |
| #11 | S70-11 | S2 | #996-W | T100-342 | T16 | 5229-1 | S91-26 | S9 |
| #12 | S70-12 | S2 | #997 | T100-370 | T17 | 5234 | S90-28 | S9 |
| 12" Lighter | T34-40 | T7 | #1240 | S85-530 | S6 | 5234-1 | S91-28 | S9 |
| #13 | S70-13 | S2 | #1240C | S85-540 | S6 | 5495 | H25-10 | H7 |
| #15 | S70-15 | S2 | #1242 | S85-550 | S6 | 5504 | S100-158 | S10 |
| 20 AMP BOOT | E9-20 AMP BOOT | E34 | #1250 | S85-560 | S6 | 5506 | S100-160 | S10 |
| 20 AMP CLIP | E9-20 AMP CLIP | E34 | #1251 | S85-570 | S6 | 5508 | S100-162 | S10 |
| #33 Gasket | H6-55 | H2 | 1412 | S214-12 | S13 | 5510 | S100-164 | S10 |
| 34 | E9-34 | E33 | 1416 | S214-16 | S13 | 5512 | S100-166 | S10 |
| #35 | T100-310 | T16 | 1890 | S83-200 | S4 | 5514 | S100-168 | S10 |
| #35 Blade | T100-312 | T16 | 2097 | E9-2097 | E33 | 5515 | S100-170 | S10 |
| 54 | E9-54 | E33 | #3250 | E64 | E35 | 5516 | S100-172 | S10 |
| #88 | S85-500 | S6 | #3253 | E64-20 | E35 | 5549 | H25-12 | H7 |
| #99A | S85-510 | S6 | 3500 | E9-3500 | E33 | 5551 | S100-174 | S10 |
| #101 | S85-520 | S6 | 3605 | S213-5 | S13 | 5554 | S100-176 | S10 |

• REFERENCE No. IS THE FORMER WESTWOOD NUMBER (before May 1, 2004) •




Reference No. TO  No.

| Reference No. |  No. | Page | Reference No. |  No. | Page | Reference No. |  No. | Page |
|---------------|---|------|---------------|---|------|----------------|---|------|
| 5561 | S100-178 | S10 | 51484U | S88-32 | S8 | 165381 | S100-274 | S10 |
| 5563 | S100-180 | S10 | 51670U | S88-34 | S8 | 166664 | S100-200 | S10 |
| 5729 | S90-30 | S9 | 52420 | S100-126 | S10 | 166665 | S100-202 | S10 |
| 5729-1 | S91-30 | S9 | 52576 | S100-130 | S10 | 166666 | S100-204 | S10 |
| 5734 | S90-32 | S9 | 58156 | S100-412 | S11 | 166667 | S100-206 | S10 |
| 5734-1 | S91-32 | S9 | 75260 | S100-404 | S11 | 166668 | S100-208 | S10 |
| 5738 | S90-34 | S9 | 75991 | S100-328 | S11 | 166669 | S100-210 | S10 |
| 5738-1 | S91-34 | S9 | 75995 | S100-326 | S11 | 169128 | S100-600 | S11 |
| 6325 | S90-36 | S9 | 75996 | S100-334 | S11 | 169129 | S100-610 | S11 |
| 6329 | S90-38 | S9 | 135392 | H25-16 | H7 | 169130 | S100-620 | S11 |
| 6329-1 | S91-38 | S9 | 135393 | H25-15 | H7 | 169131 | S100-630 | S11 |
| 6334 | S90-40 | S9 | 141608 | S70-50 | S2 | 169132 | S100-640 | S11 |
| 6334-1 | S91-40 | S9 | 141612 | S70-51 | S2 | 169133 | S100-650 | S11 |
| 6338 | S90-42 | S9 | 144824 | S70-52 | S2 | AB | E9-AB | E32 |
| 6338-1 | S91-42 | S9 | 144434 | H25-18 | H7 | AECF | E9-AECF | E34 |
| 6342 | S90-44 | S9 | 144435 | H25-17 | H7 | AO25 | F15-36 | F9 |
| 6342-1 | S91-44 | S9 | 144826 | H25-19 | H7 | AO25B | F15-48 | F9 |
| 6346 | S90-46 | S9 | 144827 | H25-20 | H7 | AO30 | F75-12 | F9 |
| 7243-1 | S91-48 | S9 | 146010 | S100-100 | S10 | AO70 | F35-24 | F9 |
| 7328 | T100-50 | T13 | 146011 | S100-102 | S10 | ARM-3L | S300-404 | S23 |
| 11498 | H25-31 | H7 | 146013 | S100-104 | S10 | ARM-3S | S300-400 | S23 |
| 11937 | H25-35 | H7 | 161963 | S100-300 | S11 | ARM-5C | S300-412 | S23 |
| 21551 | S100-322 | S11 | 161964 | S100-302 | S11 | ARM-5L | S300-406 | S23 |
| 21552 | S100-324 | S11 | 161965 | S100-306 | S11 | ARM-5S | S300-402 | S23 |
| 21553 | S100-330 | S11 | 161966 | S100-308 | S11 | ARM-14 | S300-408 | S23 |
| 21554 | S100-332 | S11 | 161967 | S100-310 | S11 | ARM-15 | S300-410 | S23 |
| 31156 | S88-70 | S8 | 161968 | S100-312 | S11 | BB | E9-BB | E32 |
| 31156W | S88-72 | S8 | 161969 | S100-314 | S11 | BG-4 | F80-52 | F10 |
| 31157 | S88-74 | S8 | 161970 | S100-316 | S11 | BG-20 | F90-52 | F10 |
| 31157W | S88-76 | S8 | 161971 | S100-318 | S11 | BG-25 | F10-52 | F10 |
| 45330 | S100-114 | S10 | 161972 | S100-320 | S11 | BG-33 | H24-40 | H5 |
| 45331 | S100-146 | S10 | 162787 | S100-304 | S11 | BG-2002 | F92-52 | F10 |
| 45764 | S100-112 | S10 | 165282 | S100-212 | S10 | BK-1 | S88-36 | S8 |
| 45765 | S100-152 | S10 | 165283 | S100-214 | S10 | BK-2 | S88-38 | S8 |
| 46644 | S100-110 | S10 | 165284 | S100-216 | S10 | BK5780 | S88-10 | S7 |
| 46645 | S100-136 | S10 | 165285 | S100-218 | S10 | BK5782 | S88-14 | S7 |
| 46646 | S100-408 | S11 | 165286 | S100-220 | S10 | CBR | E9-CBR | E32 |
| 46648 | S100-156 | S10 | 165287 | S100-222 | S10 | CBS | E9-CBS | E32 |
| 46775 | H25-30 | H7 | 165288 | S100-224 | S10 | CG-20 | F90-50 | F10 |
| 46778 | S100-120 | S10 | 165289 | S100-226 | S10 | CG-25 | F10-50 | F10 |
| 46912 | S100-116 | S10 | 165290 | S100-228 | S10 | CG-70 | F30-50 | F10 |
| 46913 | S100-150 | S10 | 165291 | S100-230 | S10 | CG-300 | F75-50 | F10 |
| 47101 | S100-118 | S10 | 165292 | S100-232 | S10 | CG-2002 | F92-50 | F10 |
| 47102 | S100-140 | S10 | 165293 | S100-234 | S10 | CG-B4 | F80-50 | F10 |
| 47103 | S100-502 | S11 | 165294 | S100-236 | S10 | CK-1 | E9-CK-1 | E33 |
| 47104 | S100-504 | S11 | 165295 | S100-238 | S10 | CK780 | S88-50 | S8 |
| 47105 | S100-406 | S11 | 165296 | S100-240 | S10 | CO2 Cartridges | T32-30 | T7 |
| 47225 | S100-500 | S11 | 165297 | S100-242 | S10 | CP-1 | T100-300 | T15 |
| 47411 | S100-410 | S11 | 165298 | S100-244 | S10 | DB | E9-DB | E32 |
| 47490 | S100-128 | S10 | 165299 | S100-246 | S10 | DN | E9-DN | E34 |
| 47491 | S100-132 | S10 | 165300 | S100-248 | S10 | DT | E9-DT | E32 |
| 47492 | S100-122 | S10 | 165301 | S100-250 | S10 | ECF | E9-ECF | E34 |
| 47493 | S100-124 | S10 | 165302 | S100-252 | S10 | FP2-E1 | H76-2 | H9 |
| 47495 | S100-144 | S10 | 165303 | S100-258 | S10 | FP2-E2 | H76-3 | H9 |
| 47615 | S100-108 | S10 | 165304 | S100-260 | S10 | FP2-M2 | H76 | H9 |
| 47738 | S100-142 | S10 | 165305 | S100-262 | S10 | FP2-R2 | H76-1 | H9 |
| 47925 | S100-400 | S11 | 165306 | S100-264 | S10 | FP3-M1 | H75 | H9 |
| 48302 | S100-134 | S10 | 165307 | S100-266 | S10 | FP3-R1 | H75-1 | H9 |
| 48363 | S100-138 | S10 | 165308 | S100-268 | S10 | FT-1 | T200-80 | T18 |
| 48365 | S100-148 | S10 | 165309 | S100-270 | S10 | Gauge Adaptor | S100-10 | S11 |
| 49488 | S100-106 | S10 | 165377 | S100-254 | S10 | GGW-6812 | H6-10 | H1 |
| 49609 | S100-402 | S11 | 165378 | S100-256 | S10 | GGW-7102 | H6-15 | H1 |
| 49611 | S100-154 | S10 | 165380 | S100-272 | S10 | GGW-7103 | H6-20 | H1 |

• REFERENCE No. IS THE FORMER WESTWOOD NUMBER (before May 1, 2004) •

Please order by  No.

Reference No. TO  No.

| Reference No. |  No. | Page | Reference No. |  No. | Page | Reference No. |  No. | Page |
|---------------|---|------|---------------|---|------|---------------|---|------|
| GGW-7105 | H6-25 | H1 | PTA-224C | H25 | H7 | WTG-EK | E142-1 | E38 |
| GV-22 | H7 | H3 | PTA-234C | H25-1 | H7 | WTG-EM | E142-2 | E38 |
| HDT 303K | T100-120 | T12 | PTA-322C | H25-2 | H7 | WTG-EO | E142-3 | E38 |
| HK-17 | T200-58 | T18 | PTA-322L | H25-3 | H7 | WTG-K | E143 | E38 |
| HWT-A | H25-52 | H7 | QCK-1 Kit | T32-20 | T6 | WTG-KM | E143-1 | E39 |
| HWT-D | H25-90 | H7 | RD-95 | T100-350 | T16 | WTG-KWM | E143-2 | E39 |
| I-18 GASKET | E9-I-18 GASKET | E32 | RD-95-W | T100-352 | T16 | WTG-O | E143-3 | E39 |
| Ignitor Gauge | T100-220 | T14 | Red. Bushing, | S83-10 | S4 | WTG-RB | E144 | E39 |
| IJW-12 | T100-80 | T13 | 5/16 X 7/16 | | | WTG-RK | E144-1 | E39 |
| IJW-18 | T100-82 | T13 | RK-97 | T200-56 | T18 | WTG-RM | E144-2 | E39 |
| IJW-36 | T100-84 | T13 | #RS-3350 | E64-5 | E35 | WTG-RO | E144-3 | E39 |
| JHS | S150 | S12 | SD Tester | T100-15 | T13 | WTG-RWM | E144-4 | E39 |
| JK-52 | H24-15 | H5 | Service-Saw | S400 | S25 | WTG-UB2 | E145 | E39 |
| JW-12 | T100-70 | T13 | Sight Glass, | | | WTG-UK2 | E145-1 | E39 |
| JW-18 | T100-72 | T13 | 1/8" Thick | S312 Series | S24 | WTG-UM | E146 | E39 |
| JW-36 | T100-74 | T13 | 3/16" Thick | S318 Series | S24 | WTG-UM1 | E147 | E40 |
| LG-300 | F75-56 | F10 | 1/4" Thick | S325 Series | S24 | WTG-UM1DH | E147-1 | E40 |
| Lighter, 12" | T34-40 | T7 | SK-59 | T200-52 | T18 | WTG-UM1DOH | E147-2 | E40 |
| LK-66 | T200-50 | T18 | SS KIT | S70-60 | S2 | WTG-UM1DOWR | E147-3 | E40 |
| LV BOOT | E9-LV BOOT | E34 | SW-4 | S300-414 | S23 | WTG-UM1OH | E147-4 | E40 |
| LV CLIP | E9-LV CLIP | E34 | SW-5 | S300-416 | S23 | WTG-UM1SDH | E147-5 | E40 |
| LV Tester | T100-10 | T13 | SW-6 | S300-418 | S23 | WTG-UO2 | E148 | E40 |
| MK-3 Kit | T34-30 | T7 | SW-8 | S300-420 | S23 | WTG-UWM | E149 | E40 |
| ML-3 | T32 | T6 | SW-9 | S300-422 | S23 | WTG-UWM1 | E150 | E40 |
| ML-26 | T34-35 | T7 | T-160 | T100-125 | T13 | WTG-UWM1DH | E150-1 | E40 |
| ML-3-150 | T32-10 | T6 | T-220 | T100-130 | T13 | WTG-UWM1DOH | E150-2 | E40 |
| ML-3-150-UPG | T32-11 | T6 | T-571 | H25-50 | H7 | WTG-UWM1DOWR | E150-3 | E40 |
| ML-3-P1000 | T32-15 | T6 | T-571 Brass | H25-51 | H7 | WTG-UWM1OH | E150-4 | E40 |
| ML-3-PQ | T32-16 | T6 | T-572 Brass | H25-53 | H7 | WTG-UWM1SDH | E150-5 | E40 |
| MR-1X2 | T34-10 | T7 | T-1050 | H25-54 | H7 | XK-104 | T200-54 | T18 |
| MR-2X3 | T34-15 | T7 | T-1051 | H25-55 | H7 | | | |
| MR-4 | T34-25 | T7 | TA | S85-130 | S5 | | | |
| NAS-A1 | T100-204 | T14 | TB-60 | T100-230 | T14 | | | |
| NAS-ABW | T100-200 | T14 | TM-30L | E80 | E37 | | | |
| NAS-B1 | T100-202 | T14 | TM-30S | E80-1 | E37 | | | |
| NAS-W1 | T100-206 | T14 | TMK-60 | E80-2 | E37 | | | |
| NBK5780 | S88-12 | S7 | Type ET | E9-TYPE ET | E32 | | | |
| NBK5782 | S88-16 | S7 | Type F | E9-TYPE F | E32 | | | |
| Nyloshaft 6" | S85-6 | S5 | Type M | E81 | E37 | | | |
| Nyloshaft 10" | S85-10 | S5 | Type ST | E9-TYPE ST | E32 | | | |
| Nyloshaft 12" | S85-12 | S5 | Type W | E81-10 | E37 | | | |
| Nyloshaft 15" | S85-15 | S5 | ULTRAGLO | E140-40 | E41 | | | |
| Nyloshaft 30" | S85-30 | S5 | VB-1049 | S20-16 | S1 | | | |
| O Rings | T32-25 | T6 | VG-4 | F80-54 | F10 | | | |
| OBS-38 | S305-37 | S24 | VG-25 | F10-55 | F10 | | | |
| OBS-50 | S305-50 | S24 | VG-2002 | F92-54 | F10 | | | |
| OBS-75 | S305-75 | S24 | W5780 | S88-20 | S7 | | | |
| OBS-100 | S305-100 | S24 | W5781 | S88-22 | S7 | | | |
| OBS-125 | S305-125 | S24 | W5782 | S88-24 | S7 | | | |
| OBS-153 | S305-150 | S24 | W5783 | S88-26 | S7 | | | |
| OL-711 | S214-25 | S13 | W5940 | S88-28 | S7 | | | |
| P4FO-IB | F80-36 | F8 | WP-1 | T100-330 | T16 | | | |
| PA-25 | F10-48 | F8 | WMK-100 | S88-60 | S8 | | | |
| PB | E9-PB | E32 | WRM-798 | H24-62 | H5 | | | |
| PD-40 | H24-10 | H5 | WRM-858 | H24-60 | H5 | | | |
| PF-20 | F90-36 | F8 | WTG-54VL | E140 | E38 | | | |
| PF-30 | F91-36 | F8 | WTG-54VLW | E140-1 | E38 | | | |
| PP-20 | F92-36 | F8 | WTG-B | E141 | E38 | | | |
| PR-12 | S300-424 | S23 | WTG-DB | E151 | E40 | | | |
| PR-18 | S300-426 | S23 | WTG-DK | E151-1 | E40 | | | |
| PR-24 | S300-428 | S23 | WTG-DK1 | E151-2 | E40 | | | |
| PR-36 | S300-430 | S23 | WTG-DO | E151-3 | E40 | | | |
| PR-48 | S300-432 | S23 | WTG-EB | E142 | E38 | | | |

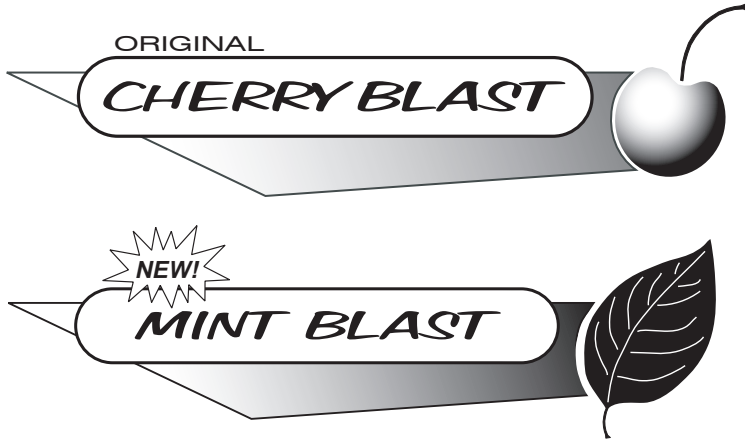
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ODOR NEUTRALIZERS

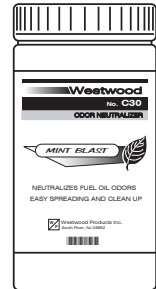
No more: "PU, what's that smell?"



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 crystals (*MINT BLAST*).



No. **C25**



No. **C30**

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

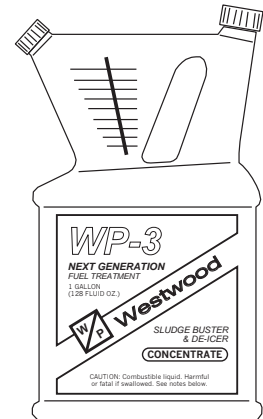
WP-3 HEATING OIL ADDITIVE

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.

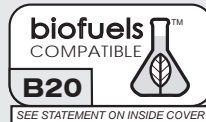
- ▶ Stabilizes fuel and dissolves sludge
- ▶ Inhibits rust and tank corrosion
- ▶ Lowers pour point for better cold weather combustion
- ▶ Disperses water and prevents waxing
- ▶ Melts ice and helps prevent fuel line freeze-ups



No. **C50**

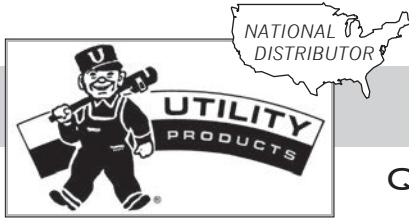


No. **C50-1**



| 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 |

Please order by No.



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

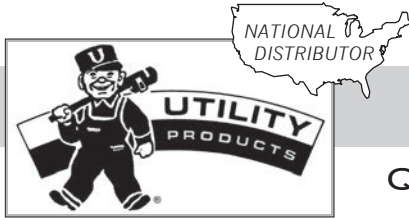
SOOTAWAY
SOOT REMOVER
No Flashback
Non-Corrosive
Leaves No Residue
Harmless to Metal
12 oz.

SOOT STICKS



No. C80-24

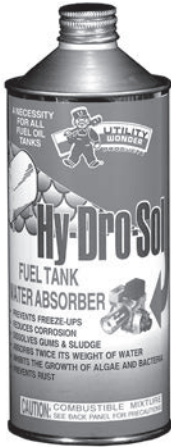
SOOTAWAY
SOOT REMOVER STICK
Non Explosive
Non-Corrosive
Leaves No Residue
Harmless to Metal
2.8 oz.



UTILITY PRODUCTS

Quality Chemicals for the Service Professional

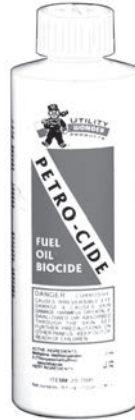
WATER ABSORBER



 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.

BIOCIDE



 No. **C80-40**

PETRO-CIDE
FUEL TANK BIOCIDES
Kills organisms in fuel tanks that promote tank corrosion and fuel degradation
8 oz.

ODOR ABSORBENT



 No. **C80-50**

ODOR KILL
ODOR ABSORBENT
POWDER
Absorbs fuel oil odors from leaks and spills
14 oz.



 No. **C80-56**

ODOR KILL
ODOR ABSORBENT
SPRAY
Absorbs fuel oil odors from leaks and spills
12 oz.

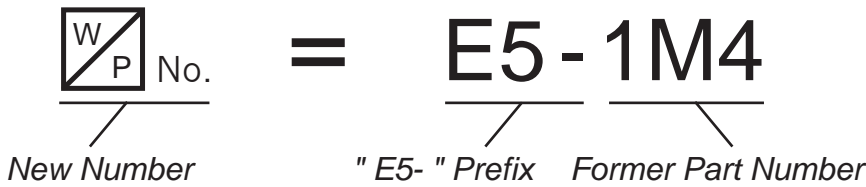
As a National Distributor, the entire Utility Products line is available through Westwood

Westwood electrodes & insulators
 HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS



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

Example:



Type 1M

| Insulator length | W/P No. |
|------------------|------------|
| 4" | E5-1M4 |
| 4-1/4" | E5-1M4-1/4 |
| 4-1/2" | E5-1M4-1/2 |
| 5" | E5-1M5 |
| 6" | E5-1M6 |
| 7" | E5-1M7 |
| 8" | E5-1M8 |

Type 2M

| Insulator length | W/P No. |
|------------------|------------|
| 4" | E5-2M4 |
| 4-1/2" | E5-2M4-1/2 |
| 5" | E5-2M5 |
| 5-1/2" | E5-2M5-1/2 |
| 6" | E5-2M6 |
| 7" | E5-2M7 |
| 8" | E5-2M8 |

Type 3M

| Insulator length | W/P No. |
|------------------|------------|
| 4" | E5-3M4 |
| 4-1/2" | E5-3M4-1/2 |
| 5" | E5-3M5 |
| 5-1/2" | E5-3M5-1/2 |
| 6" | E5-3M6 |
| 7" | E5-3M7 |
| 8" | E5-3M8 |

Type 4M

| Insulator length | W/P No. |
|------------------|------------|
| 4" | E5-4M4 |
| 4-1/4" | E5-4M4-1/4 |
| 4-1/2" | E5-4M4-1/2 |
| 5" | E5-4M5 |
| 6" | E5-4M6 |
| 7" | E5-4M7 |
| 8" | E5-4M8 |

Type 5M

| Insulator length | W/P No. |
|------------------|---------|
| 4" | E5-5M4 |
| 5" | E5-5M5 |
| 6" | E5-5M6 |

Type 2F

| Insulator length | W/P No. |
|------------------|------------|
| 4" | E5-2F4 |
| 4-1/2" | E5-2F4-1/2 |
| 5" | E5-2F5 |
| 5-1/2" | E5-2F5-1/2 |
| 6" | E5-2F6 |
| 7" | E5-2F7 |
| 8" | E5-2F8 |

Type 3F

| Insulator length | W/P No. |
|------------------|------------|
| 4" | E5-3F4 |
| 4-1/2" | E5-3F4-1/2 |
| 5" | E5-3F5 |
| 5-1/2" | E5-3F5-1/2 |
| 6" | E5-3F6 |
| 7" | E5-3F7 |
| 8" | E5-3F8 |

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

Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

| | | |
|--|--|--|
| <p>Ace "A" E5-100 Ace 5" E5-100B Ace 6" E5-100C Ace 7" E5-100C</p> | <p>Arco E5-124</p> <p>Arco E5-126</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>Ace E5-100A</p> | <p>Arco E5-127</p> | <p>ABC E5-146</p> |
| <p>Acme E5-102A</p> | <p>Arco E5-127A</p> | <p>ABC E5-146A ABC none E5-146B ABC 4-1/2" E5-146C</p> |
| <p>Acme E5-102B</p> | <p>Armstrong E5-128</p> | |
| <p>Acme E5-107</p> | <p>ABC (with bracket) E5-130</p> | <p>ABC E5-147</p> |
| <p>Aeroil E5-108</p> | | <p>ABC E5-148</p> |
| <p>Aero E5-109</p> | <p>ABC (with bracket) E5-130A</p> | <p>ABC E5-148A</p> |
| <p>Aero E5-110</p> | | <p>ABC E5-148B</p> |
| <p>Aero E5-110B</p> | <p>ABC "A" E5-131A ABC 4" E5-132A ABC 5" E5-132A</p> | <p>ABC E5-148C</p> |
| <p>Alcoa E5-111</p> | | <p>ABC E5-148D</p> |
| <p>Aero "A" E5-111A Aero none E5-111D Aero 9-1/2" E5-111E Aero 13-1/2" E5-111F Aero 4-3/4" E5-111G Aero 7-1/2" E5-111G</p> | <p>ABC "A" E5-131 ABC 4" E5-132 ABC 5" E5-132</p> | <p>ABC E5-148E</p> |
| <p>Arco E5-121</p> | <p>ABC E5-133</p> | <p>ABC E5-148F</p> |
| <p>Arco E5-122</p> | <p>ABC "A" E5-137B ABC 4-1/4" E5-137C ABC 7-1/2" E5-137E</p> | <p>ABC E5-148H</p> |
| <p>Arco E5-123</p> | | <p>ABC E5-148J</p> |
| | | <p>ABC E5-148K</p> |

Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

| | | |
|--|--|----------------------------------|
| <p>ABC E5-148M</p> | <p>Beckett E5-151L</p> | <p>Beckett AF II HLX E5-151Z</p> |
| <p>ABC Sunray OE-1 E5-148Q</p> | <p>Beckett E5-151M</p> | <p>Beckett AF 15 E5-152B</p> |
| <p>ABC Sunray ABC Sunray ABC Sunray</p> <p>"A" "B" "C" 7/16" 3-1/4" 3/4" 7/16" 4-1/4" 1/4" 15/16" 3-1/4" 3/4"</p> <p>E5-148R E5-148R1 E5-148S</p> | <p>Beckett E5-151N</p> | <p>Beckett AF II FBX E5-152C</p> |
| <p>Beckett E5-151A</p> | <p>Beckett E5-151O</p> | <p>Bethlehem E5-156</p> |
| <p>Beckett E5-151B</p> | <p>Beckett E5-151P Beckett E5-151P1 Beckett E5-151P2</p> | <p>Bettendorf E5-157</p> |
| <p>Beckett E5-151C</p> | <p>Beckett E5-151Q Beckett (without spring) E5-151Q1</p> | <p>Bettendorf E5-159</p> |
| <p>Beckett E5-151D</p> | <p>Beckett E5-151R Beckett E5-151R-1 Beckett E5-151R-2 Beckett E5-151R-3 Beckett E5-151R-4</p> | <p>Bettendorf E5-160</p> |
| <p>Beckett E5-151E</p> | <p>Beckett E5-151S Beckett E5-151T</p> | <p>Bettendorf E5-160A</p> |
| <p>Beckett E5-151E1</p> | <p>Beckett E5-151F</p> | <p>Bettendorf E5-160B</p> |
| <p>Beckett E5-151G</p> | <p>Beckett E5-151I</p> | <p>Bettendorf E5-160C</p> |
| <p>Beckett E5-151H</p> | <p>Beckett E5-151J</p> | <p>Bettendorf E5-160D</p> |
| <p>Beckett E5-151I1</p> | <p>Beckett E5-151K</p> | <p>Bettendorf E5-160E</p> |
| <p>Beckett E5-151J1</p> | <p>Beckett E5-151X</p> | <p>Bettendorf E5-160G</p> |
| <p>Beckett E5-151K1</p> | <p>Beckett E5-151L Beckett E5-151 Beckett E5-152 Beckett E5-152A Beckett E5-153 Beckett E5-153A</p> | <p>Blueray E5-1880</p> |
| <p>Beckett E5-151K2</p> | <p>Beckett E5-151M1</p> | <p>Bock E5-161B</p> |
| <p>Beckett E5-151K3</p> | <p>Beckett E5-151N1</p> | <p>Bock E5-161C</p> |

Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

| | | |
|---|---|---|
| Branford E5-170 | Carlin E5-188D | Carlin E5-188P |
| Carlin E5-184 | Carlin E5-188E | Carlin E5-188Q |
| "A" 9/16" Carlin 4" E5-184A Carlin 5" E5-184B Carlin 6" E5-184C | Carlin E5-188F | "B" 3-1/4" A 7/16" |
| Carlin E5-185 | Carlin E5-188G | "A" "B" 7/8" 12" E5-188R2 1-9/16" 12" E5-188R3 7/8" 15" E5-188R4 |
| Carlin E5-185A | Carlin E5-188H | Century E5-189 |
| Carlin E5-186 | Carlin LH/RH E5-188I | Century E5-190 |
| Carlin E5-186A | Carlin LH/RH E5-188J | Century E5-191 |
| Carlin E5-187 | Carlin E5-188K | Century E5-191A |
| Carlin E5-187A | Carlin E5-188L | Century E5-191B |
| "A" 9/16" Carlin 5" E5-187B Carlin 6" E5-187C | Carlin E5-188M | Chief E5-192 |
| Carlin E5-188 | Carlin 7/8" E5-188N Carlin 1-9/16" E5-188N2 | Chief E5-192B |
| Carlin E5-188A | "A" 3-1/4" 7/16" Carlin 2-1/2" Heavy Tip E5-188N1 Carlin 11" E5-188N3 Carlin 1-1/2" E5-188N5 Carlin 8-1/2" E5-188N6 Carlin 4-1/2" E5-188N8 Carlin 6-1/2" E5-188N9 | Chrysler E5-193 |
| Carlin 7/8" E5-188B Carlin 1-9/16" E5-188B2 | "A" 3-1/4" 7/16" Carlin 8-1/2" Light Tip E5-188N4 Carlin 4-1/2" E5-188N7 Carlin 6-1/2" E5-188N10 | Chrysler E5-195 |
| Carlin E5-188C | Carlin E5-188O | Clayton E5-198 |
| | | Clayton E5-199 |
| | | Clayton E5-199A |

Please order by No.

Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

| | | | | | | | | | | | | | | |
|--|---|--|------------|------------|----------------|------------|------------|----------------|------------|--|----------------|----------------|--|--------------------------------|
| <p>Clayton E5-199C</p> | <p>Cleaver Brooks</p> | <p>Columbia Boiler E5-207</p> | | | | | | | | | | | | |
| <p>Clayton E5-199D</p> | <table border="0"> <tr> <td>E5-205F 21</td> <td>E5-205J 24</td> <td>E5-205O 12</td> </tr> <tr> <td>E5-205G 18-1/4</td> <td>E5-205K 27</td> <td>E5-205Q 30</td> </tr> <tr> <td>E5-205H 19-3/4</td> <td>E5-205L 14</td> <td></td> </tr> <tr> <td>E5-205I 15-3/4</td> <td>E5-205M 27-1/2</td> <td></td> </tr> </table> | E5-205F 21 | E5-205J 24 | E5-205O 12 | E5-205G 18-1/4 | E5-205K 27 | E5-205Q 30 | E5-205H 19-3/4 | E5-205L 14 | | E5-205I 15-3/4 | E5-205M 27-1/2 | | <p>Columbia Boiler E5-207A</p> |
| E5-205F 21 | E5-205J 24 | E5-205O 12 | | | | | | | | | | | | |
| E5-205G 18-1/4 | E5-205K 27 | E5-205Q 30 | | | | | | | | | | | | |
| E5-205H 19-3/4 | E5-205L 14 | | | | | | | | | | | | | |
| E5-205I 15-3/4 | E5-205M 27-1/2 | | | | | | | | | | | | | |
| <p>Cleanburn E5-199Z</p> | <p>Cleaver Brooks E5-205N</p> | <p>Columbia Boiler E5-213 E5-214</p> | | | | | | | | | | | | |
| <p>Cleanburn E5-199Z1</p> | <p>Cleaver Brooks E5-205R</p> | <p>Crane Crane "A" none 6" E5-213 E5-214</p> | | | | | | | | | | | | |
| <p>Cleaver Brooks E5-201</p> | <p>Cleaver Brooks E5-205T</p> | <p>Delco E5-220</p> | | | | | | | | | | | | |
| <p>Cleaver Brooks E5-203</p> | <p>Cleaver Brooks E5-205U</p> | <p>Delco E5-221</p> | | | | | | | | | | | | |
| <p>Cleaver Brooks E5-204A</p> | <p>Cleaver Brooks E5-205V</p> | <p>Delco E5-224</p> | | | | | | | | | | | | |
| <p>Cleaver Brooks E5-205</p> | <p>Cleaver Brooks E5-205W</p> | <p>Delco E5-225</p> | | | | | | | | | | | | |
| <p>Cleaver Brooks E5-205A Cleaver Brooks E5-205A5</p> | <p>Cleaver Brooks E5-205X</p> | <p>Delco E5-226</p> | | | | | | | | | | | | |
| <p>Cleaver Brooks E5-205A1 Cleaver Brooks E5-205A2</p> | <p>Cleaver Brooks E5-205Y</p> | <p>Delco E5-227</p> | | | | | | | | | | | | |
| <p>Cleaver Brooks E5-205B</p> | <p>Cleaver Brooks E5-205Z</p> | <p>Delco E5-228</p> | | | | | | | | | | | | |
| <p>Cleaver Brooks E5-205D Cleaver Brooks E5-205E Cleaver Brooks E5-205E2</p> | <p>Cleaver Brooks E5-205Z1 Cleaver Brooks E5-205Z2</p> | <p>Delco E5-231</p> | | | | | | | | | | | | |
| <p>Cleaver Brooks E5-205Z3</p> | <p>Coleman E5-202A</p> | <p>Dravo E5-232</p> | | | | | | | | | | | | |
| <p>Coleman E5-202B</p> | <p>Dravo E5-232A</p> | <p>Dravo E5-232B</p> | | | | | | | | | | | | |
| <p>Columbia Boiler E5-206</p> | <p>Dravo E5-232C</p> | | | | | | | | | | | | | |

E5

Westwood electrodes & insulators

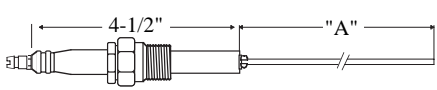
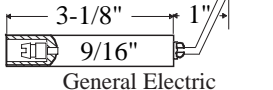
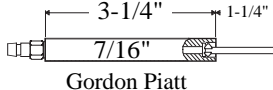
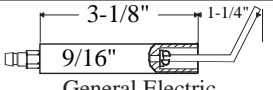
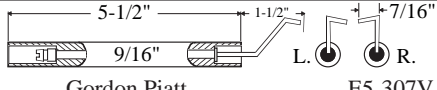
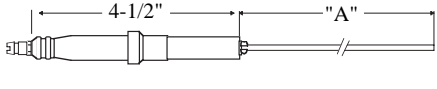
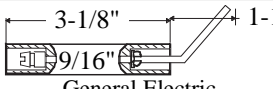
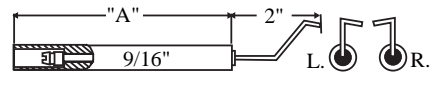
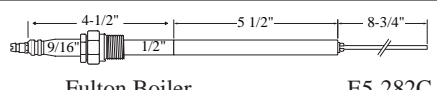
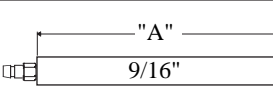
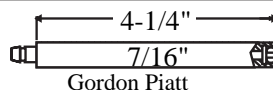
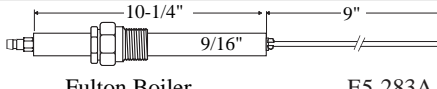
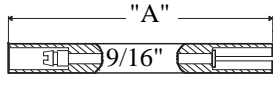
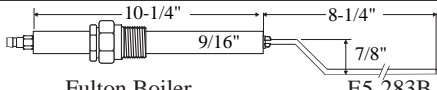
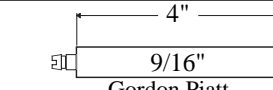
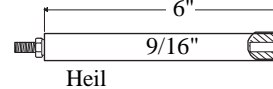
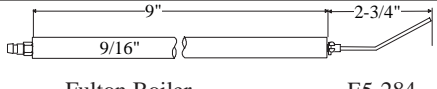

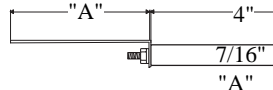
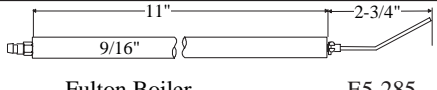
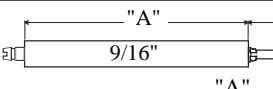
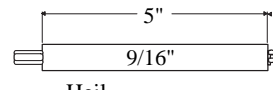
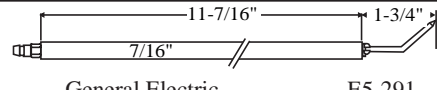
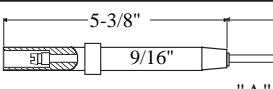
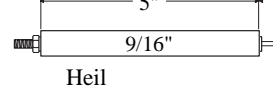
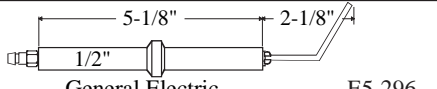
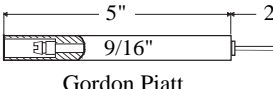
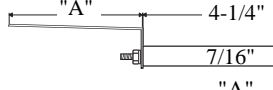
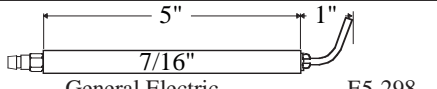
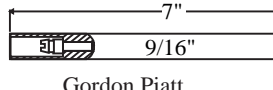
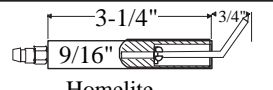
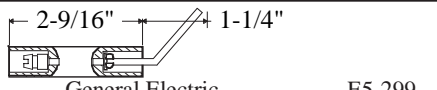
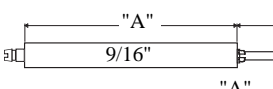
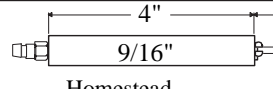
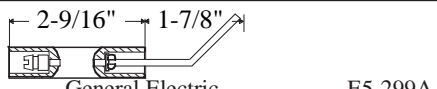
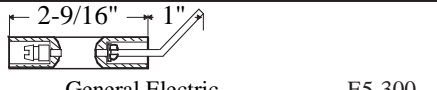
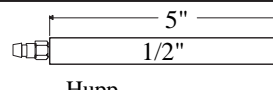
HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

| | | |
|--|---|---|
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| Dravo E5-232E | | Enterprise E5-253 |
| Dravo E5-232F | Eclipse 7-3/4" E5-235 Eclipse 11" E5-235A Eclipse 15" E5-235B | Enterprise "A" 5" E5-253B Enterprise 1-3/4" E5-253C Enterprise 2-1/2" E5-253D |
| Dravo E5-232G | | |
| Dravo E5-232H | Eclipse E5-236 | Eroc E5-254 |
| Dravo E5-232I | Eclipse E5-238 | Eroc E5-257 |
| Dravo E5-232J | Eclipse E5-238B | Esso E5-258 |
| Dravo E5-232L | Economite L. R. E5-239 | Esso E5-259 |
| Dravo E5-232M | Economite E5-239A | Esso E5-259A |
| Dravo E5-232N | Economite E5-239B | Esso E5-261 |
| Dravo E5-233 | Economite E5-239C | 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 |
| Dravo E5-234 | Economite E5-239D | Flame Guard E5-267D |
| "A" Ducane none E5-234A Ducane 1-7/8" E5-234B Ducane 3-7/8" E5-234C Ducane 5-7/8" E5-234D | Economite E5-239E | Fluid Heat E5-273 |
| Ducane none E5-234E Ducane 2-1/4" E5-234F Ducane 4-1/4" E5-234G Ducane 6-1/4" E5-234H Ducane 12-1/4" E5-234I Ducane 20-1/4" E5-234J | Edison E5-246 | Fluid Heat E5-274 |
| | Edison E5-247 | Fluid Heat E5-275 |

Please order by No.

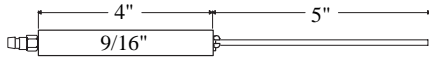
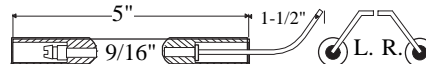
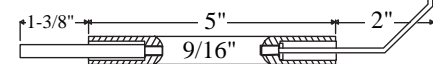
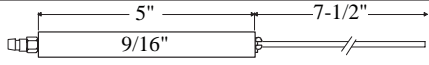
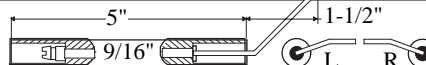
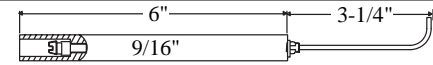
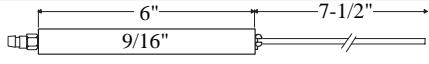
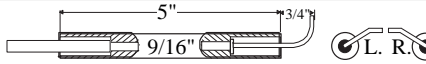

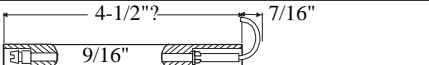
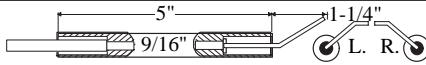
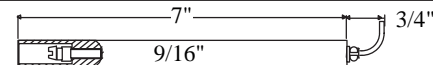
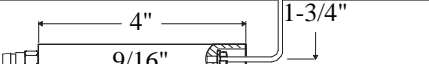
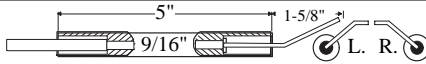
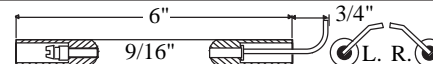
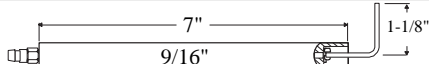
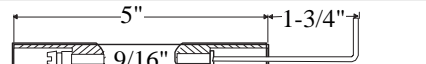

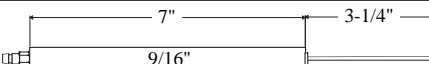
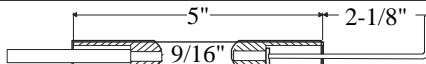
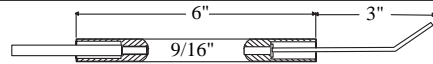
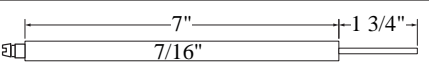

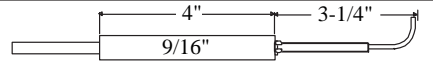
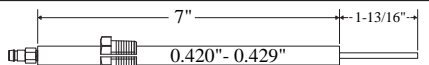
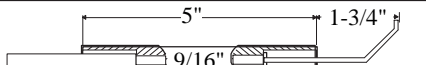
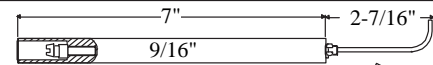
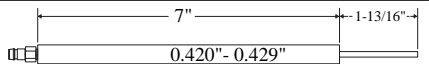
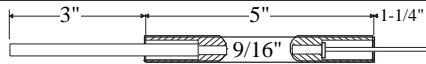

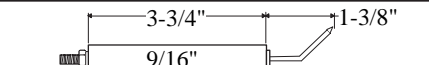
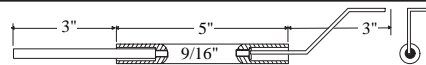
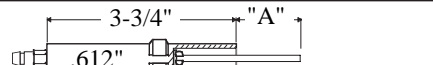
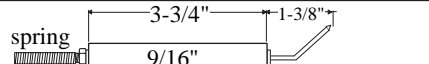
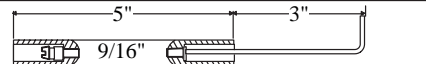
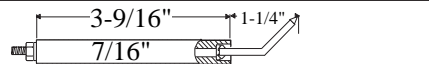
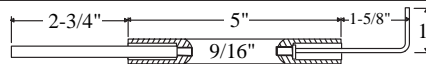
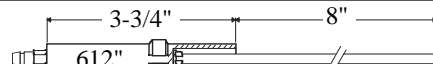
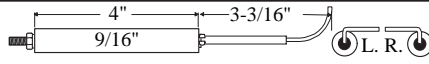
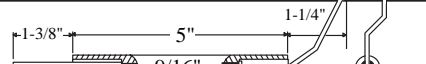
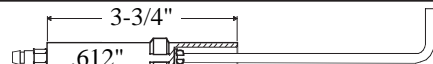

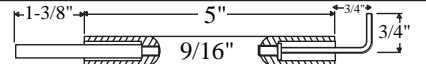
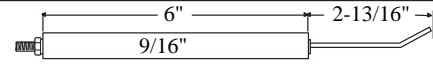
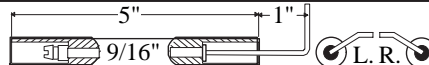
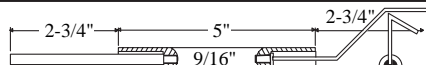
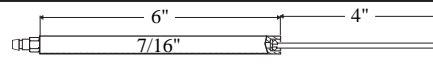
Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

| | | |
|--|--|--|
|  <p>Fulton Boiler Fulton Boiler</p> <p>"A" 12-1/4" 17-1/4"</p> <p>E5-282 E5-283</p> |  <p>General Electric</p> <p>E5-301</p> |  <p>Gordon Piatt</p> <p>E5-307U</p> |
| <p>Fulton Boiler Fulton Boiler</p> <p>"A" 12-1/4" 17-1/4"</p> <p>E5-282 E5-283</p> |  <p>General Electric</p> <p>E5-301A</p> |  <p>Gordon Piatt</p> <p>E5-307V</p> |
|  <p>Fulton Boiler Fulton Boiler</p> <p>"A" 12-1/4" 17-1/4"</p> <p>E5-282A E5-282B</p> |  <p>General Electric</p> <p>E5-301B</p> |  <p>Gordon Piatt Gordon Piatt</p> <p>"A" 7" 5"</p> <p>E5-307N E5-307T</p> |
|  <p>Fulton Boiler</p> <p>E5-282C</p> |  <p>General Machine</p> <p>E5-303</p> |  <p>Gordon Piatt</p> <p>E5-307W</p> |
|  <p>Fulton Boiler</p> <p>E5-283A</p> | <p>Gold Star Gold Star</p> <p>"A" 4" 5"</p> <p>E5-306 E5-307</p> |  <p>Gould Gould Gould Gould</p> <p>"A" 5" 6" 7" 8"</p> <p>E5-308 E5-309 E5-310 E5-311</p> |
|  <p>Fulton Boiler</p> <p>E5-283B</p> |  <p>Gordon Piatt</p> <p>E5-307A</p> |  <p>Heil</p> <p>E5-330</p> |
|  <p>Fulton Boiler</p> <p>E5-284</p> |  <p>Gordon Piatt Gordon Piatt Gordon Piatt</p> <p>"A" 5" 7" 9"</p> <p>E5-307B E5-307C E5-307D</p> |  <p>Heil Heil</p> <p>"A" 2-1/4" 4"</p> <p>E5-330A E5-330B</p> |
|  <p>Fulton Boiler</p> <p>E5-285</p> |  <p>General Automatic</p> <p>E5-290</p> |  <p>Heil</p> <p>E5-331A</p> |
|  <p>General Electric</p> <p>E5-291</p> |  <p>Gordon Piatt Gordon Piatt Gordon Piatt Gordon Piatt</p> <p>"A" 4" 5" 6" 8"</p> <p>E5-307F E5-307P E5-307G E5-307H</p> |  <p>Heil</p> <p>E5-331B</p> |
|  <p>General Electric</p> <p>E5-296</p> |  <p>Gordon Piatt</p> <p>E5-307K</p> |  <p>Heil Heil</p> <p>"A" 1-1/4" 3"</p> <p>E5-331C E5-331D</p> |
|  <p>General Electric</p> <p>E5-298</p> |  <p>Gordon Piatt</p> <p>E5-307O</p> |  <p>Homelite</p> <p>E5-337A</p> |
|  <p>General Electric</p> <p>E5-299</p> |  <p>Gordon Piatt Gordon Piatt Gordon Piatt</p> <p>"A" 4" 6" 8"</p> <p>E5-307Q E5-307R E5-307S</p> |  <p>Homestead</p> <p>E5-338</p> |
|  <p>General Electric</p> <p>E5-299A</p> |  <p>General Electric</p> <p>E5-300</p> |  <p>Hupp</p> <p>E5-339</p> |

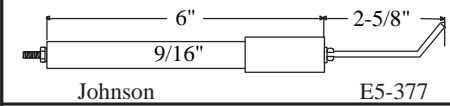
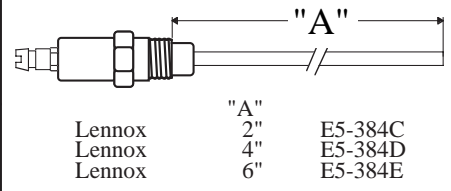
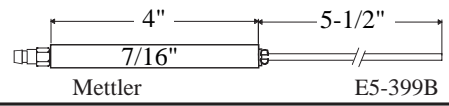
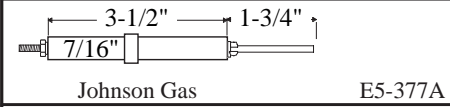
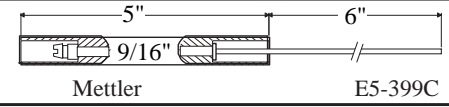
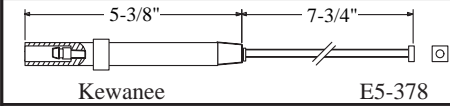
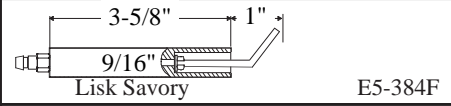
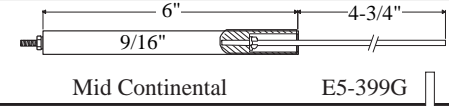
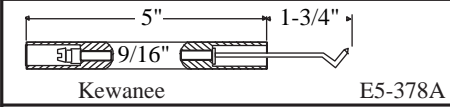
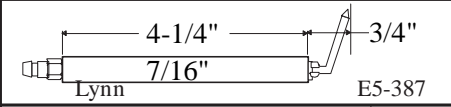
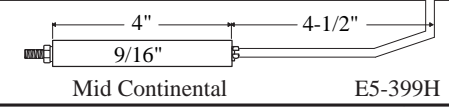
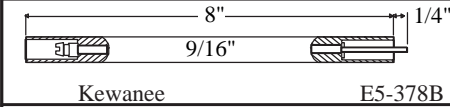
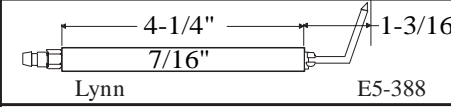
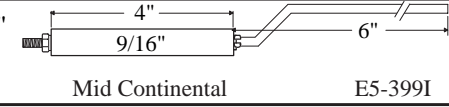
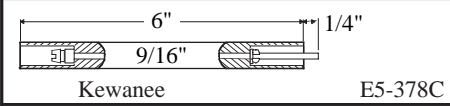
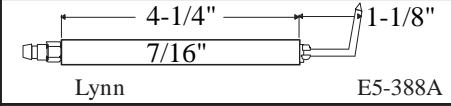
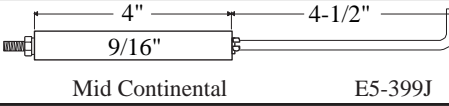
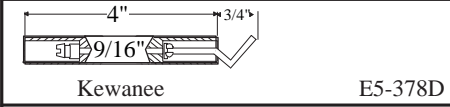
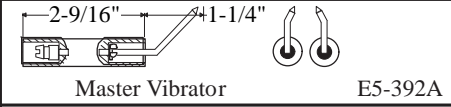
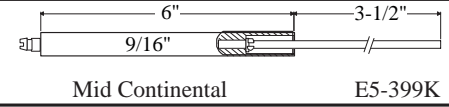
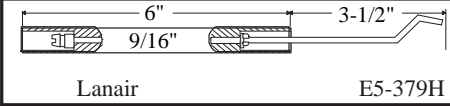
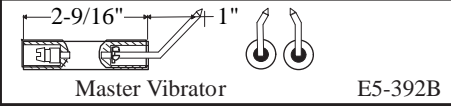
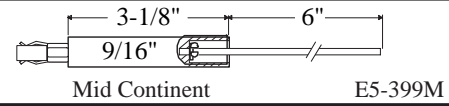
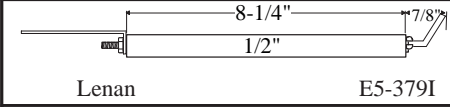
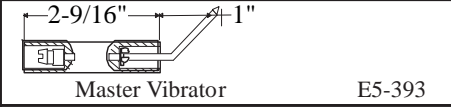
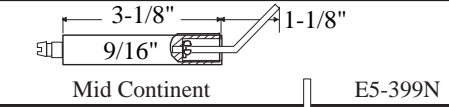
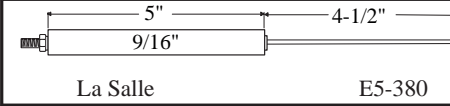
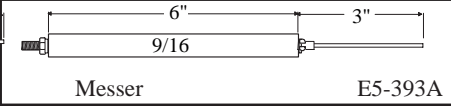
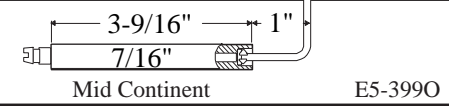
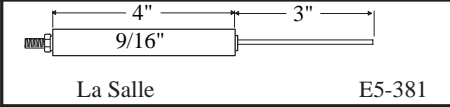
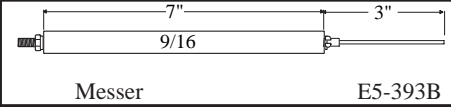
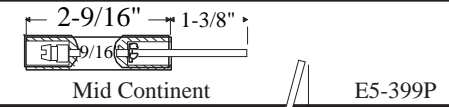
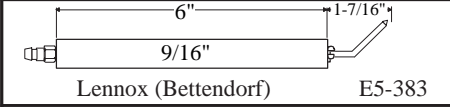
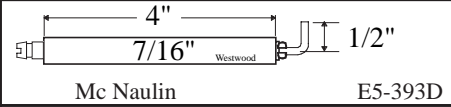
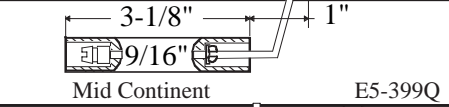
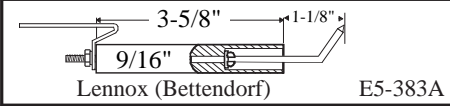
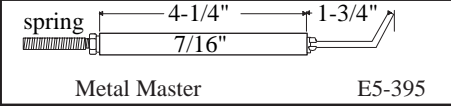
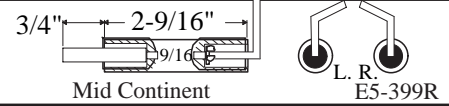
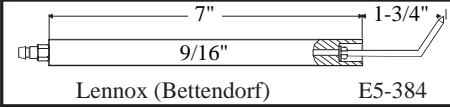
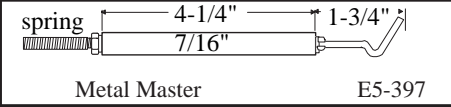
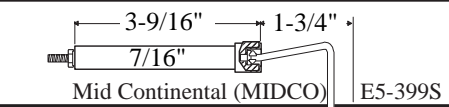
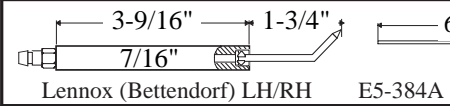
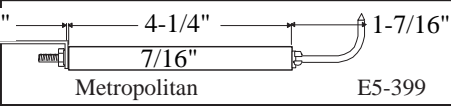
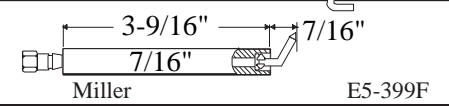
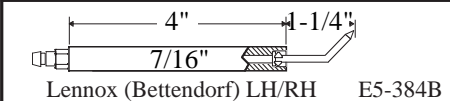
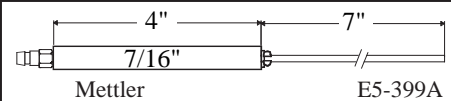
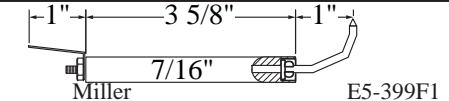
Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

| | | |
|--|--|---|
|  Homestead E5-340 |  Iron Fireman E5-357B |  Iron Fireman E5-357Y |
|  Homestead E5-341 |  Iron Fireman E5-357C |  Iron Fireman E5-358 |
|  Homestead E5-341A |  Iron Fireman E5-357D |  Iron Fireman E5-363 |
|  Industrial Combustion E5-342 |  Iron Fireman E5-357E |  Iron Fireman E5-364 |
|  Industrial Combustion E5-343 |  Iron Fireman E5-357F |  Iron Fireman E5-365 |
|  Industrial Combustion E5-343A |  Iron Fireman E5-357I |  Iron Fireman E5-365B |
|  Industrial Combustion E5-344 |  Iron Fireman E5-357J |  Iron Fireman E5-365D |
|  Industrial Combustion E5-344A |  Iron Fireman E5-357K |  Iron Fireman E5-366 |
|  Industrial Combustion E5-345 |  Iron Fireman E5-357L |  Iron Fireman E5-366A |
|  Industrial Combustion E5-345A |  Iron Fireman E5-357M |  Iron Fireman E5-366D |
|  International E5-348 |  Iron Fireman E5-357N |  Johnson E5-371 |
|  International E5-348A |  Iron Fireman E5-357O | Johnson 1-1/2" E5-371 Johnson 2" E5-371A Johnson 7-1/2" E5-372 Johnson 6" E5-374 |
|  International E5-349 |  Iron Fireman E5-357R |  Johnson E5-373 |
|  Iron Fireman E5-356 |  Iron Fireman E5-357S |  Johnson E5-373A |
|  Iron Fireman E5-357 |  Iron Fireman E5-357U |  Johnson E5-375 |
|  Iron Fireman E5-357A |  Iron Fireman E5-357W |  Johnson E5-375A |

Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

| | | |
|--|--|--|
|  <p>Johnson E5-377</p> |  <p>Lennox E5-384C Lennox E5-384D Lennox E5-384E</p> |  <p>Mettler E5-399B</p> |
|  <p>Johnson Gas E5-377A</p> | <p>"A" 2" E5-384C 4" E5-384D 6" E5-384E</p> |  <p>Mettler E5-399C</p> |
|  <p>Kewanee E5-378</p> |  <p>Lisk Savory E5-384F</p> |  <p>Mid Continental E5-399G</p> |
|  <p>Kewanee E5-378A</p> |  <p>Lynn E5-387</p> |  <p>Mid Continental E5-399H</p> |
|  <p>Kewanee E5-378B</p> |  <p>Lynn E5-388</p> |  <p>Mid Continental E5-399I</p> |
|  <p>Kewanee E5-378C</p> |  <p>Lynn E5-388A</p> |  <p>Mid Continental E5-399J</p> |
|  <p>Kewanee E5-378D</p> |  <p>Master Vibrator E5-392A</p> |  <p>Mid Continental E5-399K</p> |
|  <p>Lanair E5-379H</p> |  <p>Master Vibrator E5-392B</p> |  <p>Mid Continent E5-399M</p> |
|  <p>Lenan E5-379I</p> |  <p>Master Vibrator E5-393</p> |  <p>Mid Continent E5-399N</p> |
|  <p>La Salle E5-380</p> |  <p>Messer E5-393A</p> |  <p>Mid Continent E5-399O</p> |
|  <p>La Salle E5-381</p> |  <p>Messer E5-393B</p> |  <p>Mid Continent E5-399P</p> |
|  <p>Lennox (Bettendorf) E5-383</p> |  <p>Mc Naulin E5-393D</p> |  <p>Mid Continent E5-399Q</p> |
|  <p>Lennox (Bettendorf) E5-383A</p> |  <p>Metal Master E5-395</p> |  <p>Mid Continent E5-399R</p> |
|  <p>Lennox (Bettendorf) E5-384</p> |  <p>Metal Master E5-397</p> |  <p>Mid Continental (MIDCO) E5-399S</p> |
|  <p>Lennox (Bettendorf) LH/RH E5-384A</p> |  <p>Metropolitan E5-399</p> |  <p>Miller E5-399F</p> |
|  <p>Lennox (Bettendorf) LH/RH E5-384B</p> |  <p>Mettler E5-399A</p> |  <p>Miller E5-399F1</p> |

Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

| | | |
|-----------------------------|----------------------------------|---------------------|
| Miller E5-400A | M&H (with Bracket) E5-409C-2 | Nu-Way E5-418F |
| MSO Combustion E5-390 | M&H E5-409E | Nu-Way E5-419 |
| MSO Combustion E5-391 | M&H E5-409F | Nu-Way E5-420 |
| Monarch E5-400 | M&H E5-409G | Nu-Way E5-420A |
| Mueller E5-401 | M&H E5-409H | Nu-Way E5-420A1 |
| Morrison E5-404 | M&H E5-409J | Nu-Way E5-420B |
| Mt Hawley E5-405 | M&H E5-409K | Nu-Way E5-420C |
| Mt Hawley RH/LH E5-406A | National Airoil E5-411 | Nu-Way E5-421 |
| M&H E5-407 | National Airoil E5-412 | Nu-Way E5-425 |
| M&H E5-407A | National Airoil E5-415 | Nu-Way E5-428 |
| M&H E5-408 | National Radiator E5-416 | Nu-Way E5-429 |
| M&H E5-409 | Northeast E5-417 | Nu-Way E5-429H |
| M&H E5-409A | Nu-Way E5-418 | Nu-Way E5-429A |
| M&H E5-409B | Nu-Way E5-418A | Nu-Way E5-429B |
| M&H E5-409C | Nu-Way E5-418B | Nu-Way E5-429C |
| M&H E5-409D | Nu-Way E5-430 | Nu-Way E5-430A |

Please order by No.

rev. 5-1-05

E10

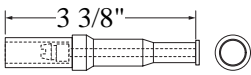
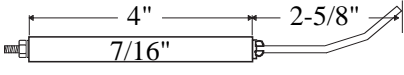
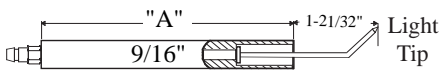
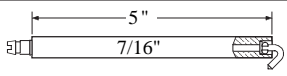
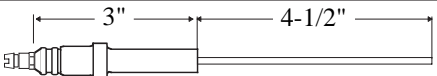
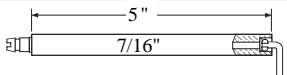
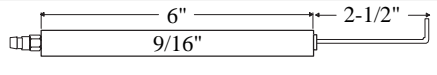
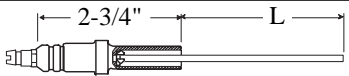
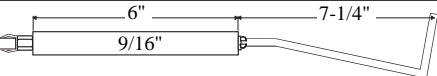
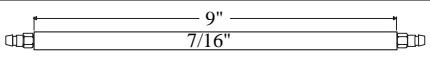
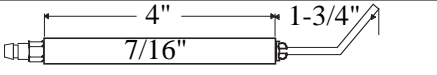
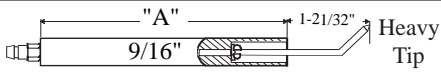
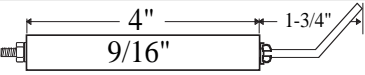
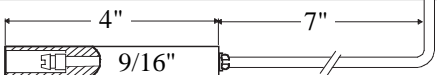
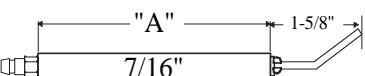
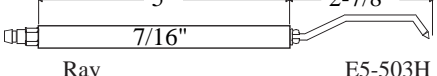
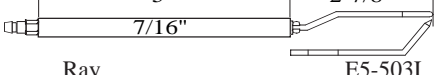
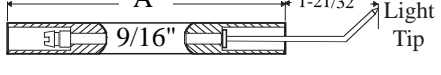
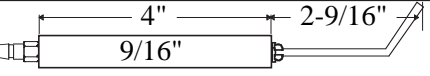
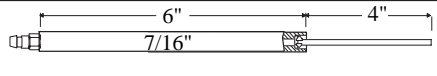
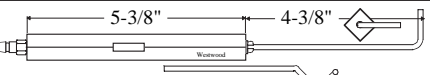
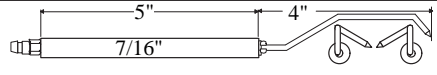
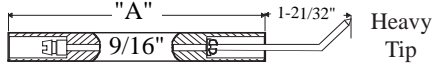
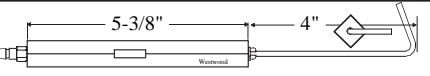
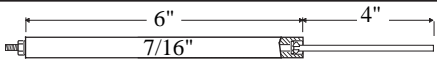
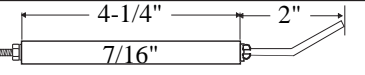
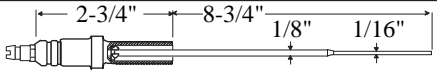
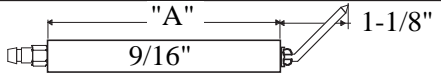
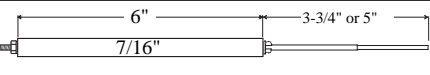
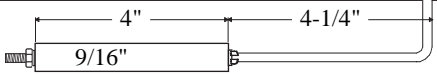
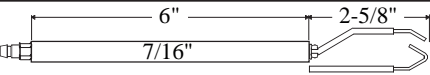
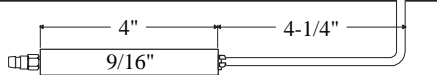
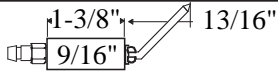
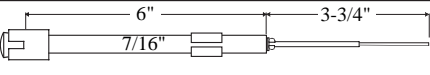
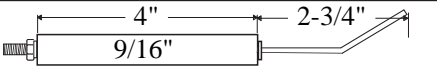
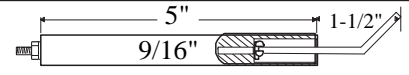
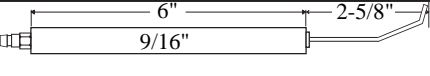
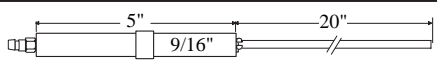
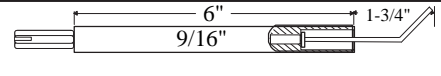
Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

| | | |
|--|--|-----------------------------|
| <p>Oil Equipment E5-432</p> | <p>Petro 1-1/2" E5-468B Petro 2" E5-468C Petro 18" E5-468D</p> | <p>Power Flame E5-477I</p> |
| <p>Orr & Sembower E5-443</p> | <p>Power Flame E5-475-1</p> | <p>Power Flame E5-477J</p> |
| <p>Orr & Sembower E5-448</p> | <p>Power Flame E5-475</p> | <p>Power Flame E5-477K</p> |
| <p>Orr & Sembower E5-449</p> | <p>Power Flame E5-475A</p> | <p>Power Flame E5-478</p> |
| <p>Orr & Sembower E5-451</p> | <p>Power Flame (Kanthal tip) E5-475B</p> | <p>Power Flame E5-478A</p> |
| <p>Orr & Sembower E5-452</p> | <p>Power Flame E5-477</p> | <p>Power Flame E5-478B</p> |
| <p>Orr & Sembower E5-453</p> | <p>Power Flame E5-478C</p> | <p>Power Flame E5-478D</p> |
| <p>Peabody E5-457</p> | <p>Power Flame 5.81" .50" E5-477A Power Flame 6.44" .38" E5-477B Power Flame 6.88" .47" E5-477C</p> | <p>Power Flame E5-478E</p> |
| <p>Peabody E5-458</p> | <p>Power Flame 5.81" 6.30" E5-477A-1 Power Flame 6.44" 6.69" E5-477B-1 Power Flame 6.88" 8.66" E5-477C-1</p> | <p>Power Flame E5-479A</p> |
| <p>Penn Boiler E5-461</p> | <p>Power Flame E5-479B</p> | <p>Power Flame E5-479C</p> |
| <p>Petro E5-465</p> | <p>Power Flame E5-477D</p> | <p>Power Flame E5-479D</p> |
| <p>Petro E5-465B</p> | <p>Power Flame E5-477E</p> | <p>Power Flame E5-479E</p> |
| <p>Petro E5-466</p> | <p>Power Flame E5-477F</p> | <p>Power Flame E5-479E1</p> |
| <p>Petro 1-1/2" E5-467 Petro 2" E5-467A Petro 18" E5-467B Petro 6" E5-467G</p> | <p>Power Flame (Stainless tip) E5-477G</p> | <p>Power Flame E5-477H</p> |
| <p>Petro E5-468A</p> | | |

Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

| | | |
|---|---|--|
|  <p>Preferred Utilities E5-471A</p> |  <p>Ray E5-502</p> |  <p>Light Tip</p> |
|  <p>PVI E5-473F</p> |  <p>Ray E5-503A</p> | <p>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</p> |
|  <p>PVI E5-473G</p> |  <p>Ray E5-503D</p> | |
|  <p>Pyronics E5-474C-1 6" E5-474C-2 12"</p> |  <p>Ray E5-503E</p> | |
|  <p>Pyronics E5-474E</p> |  <p>Ray E5-503F</p> |  <p>Heavy Tip</p> |
|  <p>Quiet Automatic E5-480</p> |  <p>Ray E5-503G</p> | <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>Quiet Heet 4-1/4" E5-483 Quiet Heet 5" E5-483-5 Quiet Heet 6" E5-483-6</p> |  <p>Ray E5-503H</p> | |
| |  <p>Ray E5-503I</p> |  <p>Light Tip</p> |
|  <p>Radiant E5-490</p> |  <p>Ray E5-503J</p> | <p>Shellhead 5" E5-515-5 Shellhead 6" E5-515-6 Shellhead 7" E5-515-7 Shellhead 8" E5-515-8</p> |
|  <p>Rails E5-489B</p> |  <p>Ray E5-503M</p> |  <p>Heavy Tip</p> |
|  <p>Rails E5-489C</p> |  <p>Ray E5-503P</p> | <p>Shellhead 5" E5-516-5 Shellhead 6" E5-516-6</p> |
|  <p>Rasol E5-494</p> |  <p>Ray E5-503Q</p> |  <p>Light Tip</p> |
|  <p>Ray E5-499 3-3/4" E5-499C 5"</p> |  <p>Robert Gordon E5-506B</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>Ray E5-499D</p> |  <p>Robert Gordon E5-506C</p> |  <p>Silent Glow E5-523A</p> |
|  <p>Ray E5-500</p> |  <p>Sandberg E5-510</p> |  <p>Stewart Warner E5-545</p> |
|  <p>Ray E5-501</p> |  <p>Scully Fastlite E5-512A</p> |  <p>Stewart Warner E5-545A</p> |

Westwood electrodes & insulators

HIGH DIELECTRIC STRENGTH • PRECISION DIMENSIONS

| | | |
|---------------------|---|--|
| Sun Ray E5-550 | Sun Ray E5-559N | Todd E5-578 |
| Sun Ray E5-553 | Superior E5-546 | 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 |
| Sun Ray E5-556 | 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 | Tornado Todd E5-588B |
| Sun Ray E5-557 | Superior E5-547 | Torrid Heat E5-584 |
| Sun Ray E5-558 | Superior Bulkhead E5-547D | Volcano E5-590 |
| Sun Ray E5-559 | Superior E5-547A | Waltham E5-600-3 |
| Sun Ray E5-559B | 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 | Waltham 4" E5-600-4 Waltham 5" E5-600-5 Waltham 6" E5-600-6 |
| Sun Ray E5-559C | Superior E5-547F | Wayne E5-601A |
| Sun Ray E5-559D | Terry Burner E5-562 | Wayne E5-601B |
| Sun Ray E5-559E | Thatcher E5-560 | Wayne E5-603 |
| Sun Ray E5-559F | Timken "F" Adjustable E5-566 | Wayne E5-604 |
| Sun Ray E5-559G | Timken "C" Adjustable E5-567 | Wayne E5-604A |
| Sun Ray E5-559H | Todd E5-577A | Wayne E5-604B |
| Sun Ray E5-559I | Todd E5-579A | Wayne E5-604C |
| Sun Ray E5-559J | Todd 13" E5-579A Todd 16" E5-579B Todd 19" E5-579C Todd 21" E5-579D Todd 22" E5-579E | Wayne E5-604D |
| Sun Ray E5-559K | | |
| Sun Ray E5-559L | | |
| Sun Ray E5-559M | | |

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 | (for JB3) Webster Engineering E5-599J | York E5-632C |
| Wayne E5-605E | (for JB1, JB2) Webster Engineering E5-599K | York E5-632D |
| Wayne Blue Angel E5-605F | Weil-McLain, electrode only E5-598 Weil-McLain electrode w/leads E5-598A Leads only (former WMK-150) E5-598B | York E5-632E |
| Wayne Blue Angel E5-605F1 | | York E5-633 |
| Wayne Blue Angel (with pointed tip) E5-605F2 | | York E5-634 |
| Wayne E5-605G | | York E5-634B |
| Wayne E5-605H | | York (Levittown) E5-635 |
| Wayne E5-605I | Williams E5-624 | York E5-636 |
| Wayne E5-605J | John Wood E5-623 | York E5-637 |
| Wayne E5-605K | York E5-630 York E5-631 | York E5-638 |
| Wayne E5-605L | York E5-632 | York E5-639 |
| Wayne E5-605M | York E5-630 York E5-631 | Zenith E5-640 |
| Wayne E5-605N | York E5-629 York E5-630A | York E5-638 |
| Wayne E5-605P | York E5-631B | Zenith E5-641 |
| Wayne E5-606 | York E5-629 York E5-630A | York E5-631A York E5-631B |

Please order by No.

rev. 1-1-09

E14

Westwood

ELECTRODE KITS

FOR THE SERVICE PROFESSIONAL

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

ABC: E5-146

Beckett: E5-151E, E5-1510

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

Quiet Heat: 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


 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

 No. E5-1897

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

 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"),

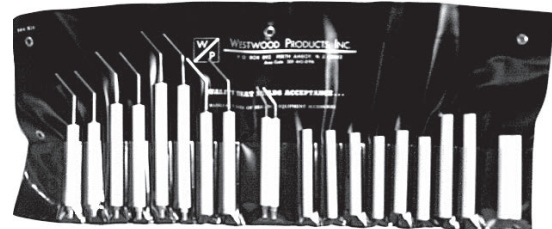
E5-483 (Quiet Heat)

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")


 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")

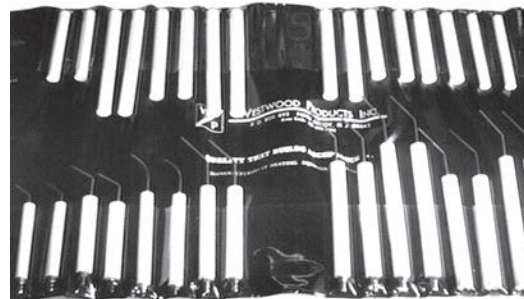
Insulators - 2 ea.

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")


 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 E33

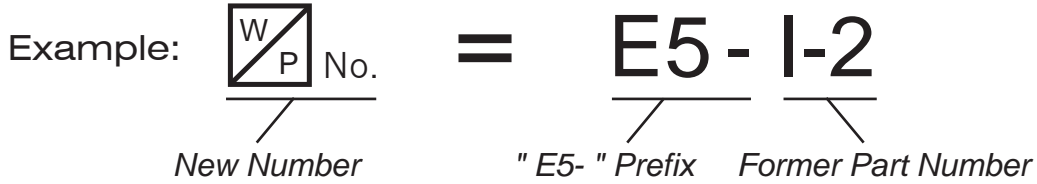
Please order by  No.

rev. 5-1-07

Westwood
AUBURN IGNITION PRODUCTS
 IGNITORS • FLAME RODS • LIQUID LEVEL ELECTRODES



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



149T-1 (.090)

| | |
|----------------------|------------|
| No. | Ref. No. |
| E5-149T-1-090 | 149T-1-090 |

I-2-EI-2

| | |
|--------------------|----------|
| No. | Ref. No. |
| E5-I-2-EI-2 | I-2-EI-2 |

F-68

| | |
|----------------|----------|
| No. | Ref. No. |
| E5-F-68 | F-68 |

I-2 Series

| | | | |
|-----------------|----------|----------|----------|
| No. | Ref. No. | "A" DIM. | "B" DIM. |
| E5-I-2 | I-2 | 8.00 | 4.50 |
| E5-I-2-1 | I-2-1 | 15.50 | 12.00 |
| E5-I-2-2 | I-2-2 | 27.50 | 24.00 |

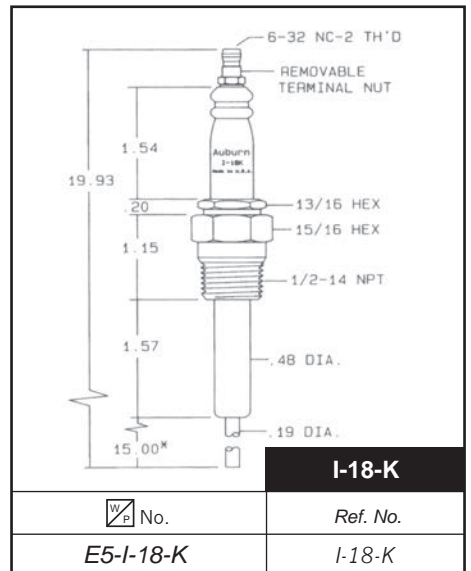
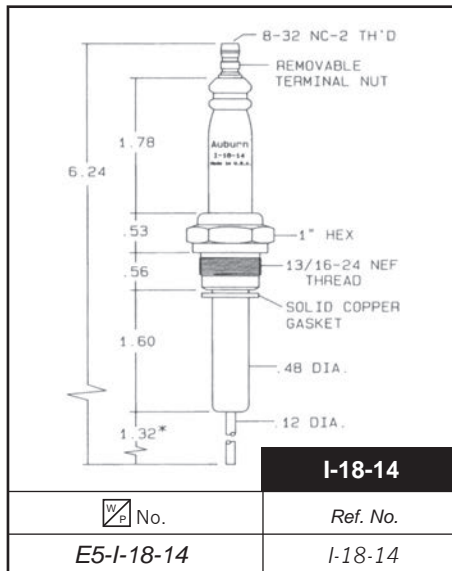
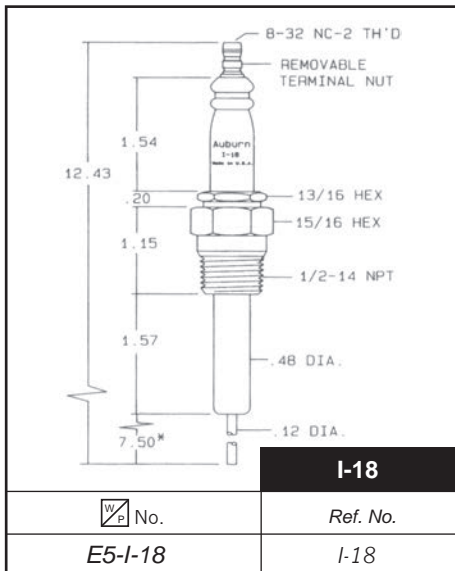
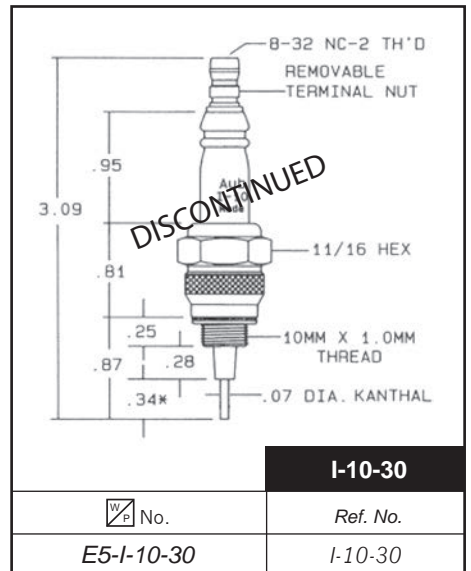
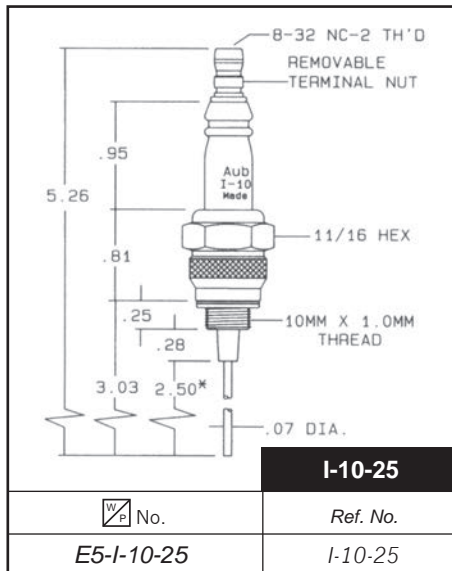
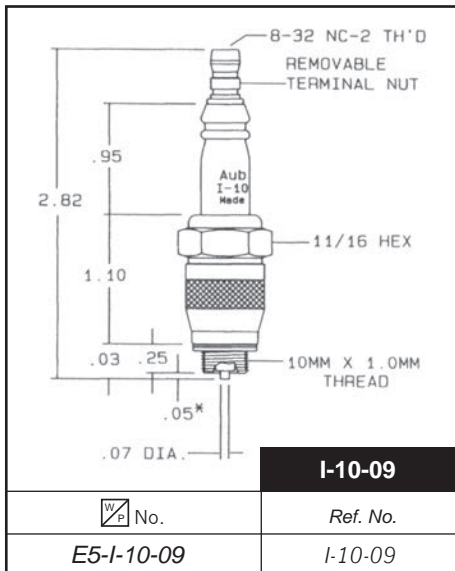
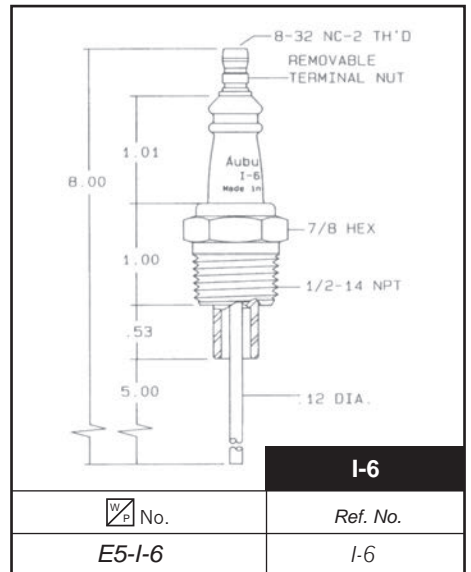
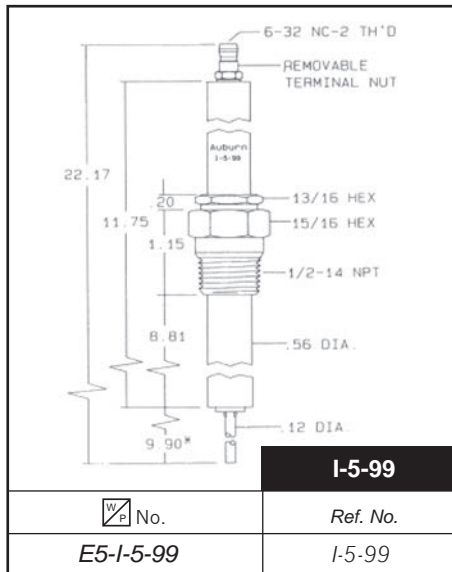
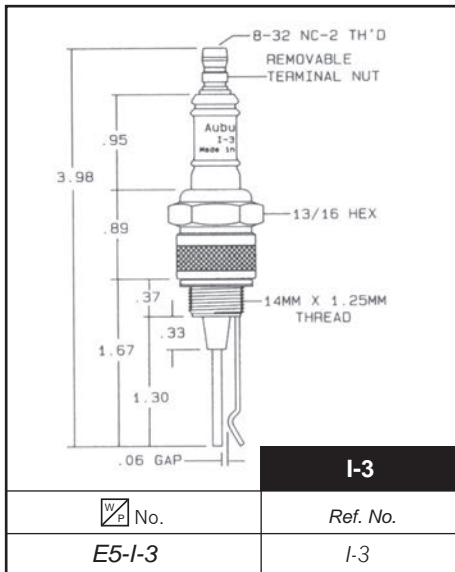
F-140

| | |
|-----------------|----------|
| No. | Ref. No. |
| E5-F-140 | |

New!

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

AUBURN ELECTRODES



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

Please order by No.

AUBURN ELECTRODES

I-25

| | |
|---------|----------|
| No. | Ref. No. |
| E5-I-25 | I-25 |

I-25-3

| | |
|-----------|----------|
| No. | Ref. No. |
| E5-I-25-3 | I-25-3 |

I-25-4

| | |
|-----------|----------|
| No. | Ref. No. |
| E5-I-25-4 | I-25-4 |

I-28

| | |
|---------|----------|
| No. | Ref. No. |
| E5-I-28 | I-28 |

I-31 Series

| No. | Ref. No. | "A" | "B" | ELEC. MAT. |
|-----------|----------|------|------|------------|
| E5-I-31 | I-31 | 3.68 | 1.37 | NICKEL |
| E5-I-31-1 | I-31-1 | 4.17 | 1.87 | NICKEL |
| E5-I-31-2 | I-31-2 | 4.81 | 2.50 | NICKEL |
| E5-I-31-3 | I-31-3 | 4.17 | 1.87 | INCONEL |
| E5-I-31-5 | I-31-5 | 6.43 | 4.12 | NICKEL |
| E5-I-31-6 | I-31-6 | 3.31 | 1.06 | NICKEL |

I-32

| | |
|---------|----------|
| No. | Ref. No. |
| E5-I-32 | I-32 |

I-33

| | |
|---------|----------|
| No. | Ref. No. |
| E5-I-33 | I-33 |

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!

E5-FI21501

| | |
|------------|----------|
| No. | Ref. No. |
| E5-FI21501 | FI21501 |

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

AUBURN ELECTRODES

DISCONTINUED

I-63

| | |
|---------|----------|
| No. | Ref. No. |
| E5-I-63 | I-63 |

I-64 Series

| No. | Ref. No. | "A" | "B" | GAP | ELEC. MAT. |
|------------------------|----------|------|------|------|------------|
| E5-I-64-1 | I-64-1 | 4.20 | 1.72 | .090 | NI |
| E5-I-64-3 | I-64-3 | 6.24 | 3.75 | .090 | NI |
| E5-I-64-4 ¹ | I-64-4 | 3.60 | 1.12 | .100 | NI |
| E5-I-64-7 | I-64-7 | 4.70 | 2.21 | .100 | NI |

¹UL Recognized Component

I-75-5

| | |
|-----------|----------|
| No. | Ref. No. |
| E5-I-75-5 | I-75-5 |

I-75-6

| | |
|-----------|----------|
| No. | Ref. No. |
| E5-I-75-6 | I-75-6 |

DISCONTINUED

I-78

| | |
|---------|----------|
| No. | Ref. No. |
| E5-I-78 | I-78 |

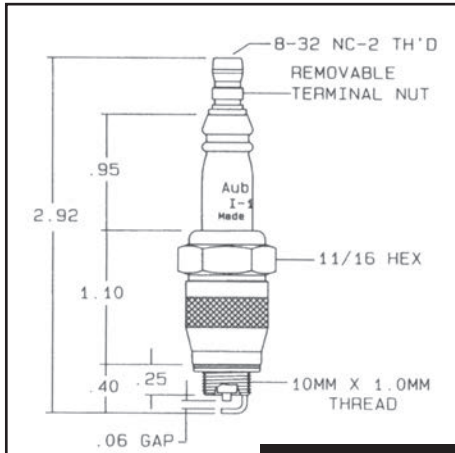
I-82

| | |
|---------|----------|
| No. | Ref. No. |
| E5-I-82 | I-82 |

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!

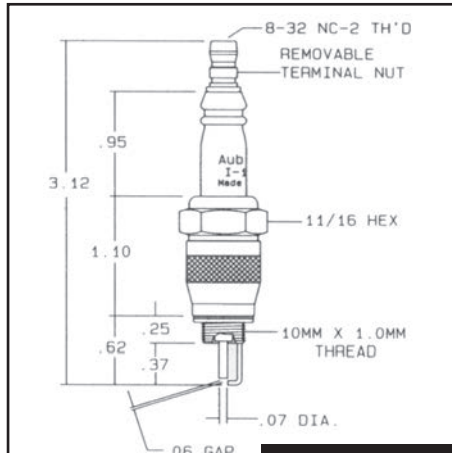
* Dimensions marked with an asterisk are standard lengths - Other lengths available upon request

AUBURN ELECTRODES



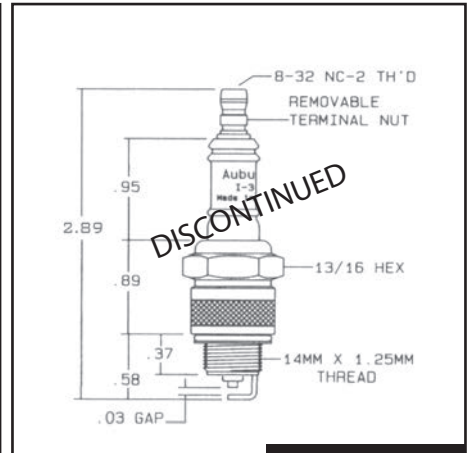
I-101

| | |
|----------|----------|
| No. | Ref. No. |
| E5-I-101 | I-101 |



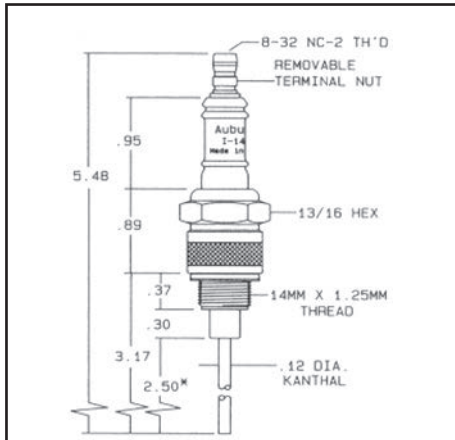
I-102

| | |
|----------|----------|
| No. | Ref. No. |
| E5-I-102 | I-102 |



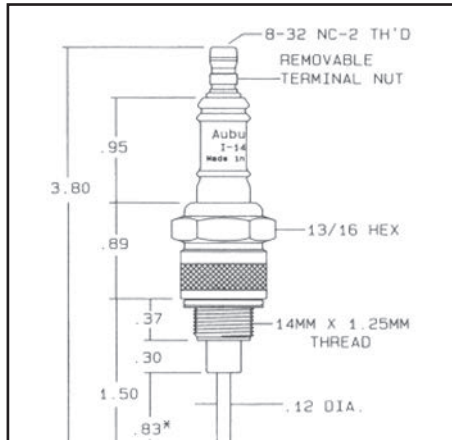
I-141

| | |
|----------|----------|
| No. | Ref. No. |
| E5-I-141 | I-141 |



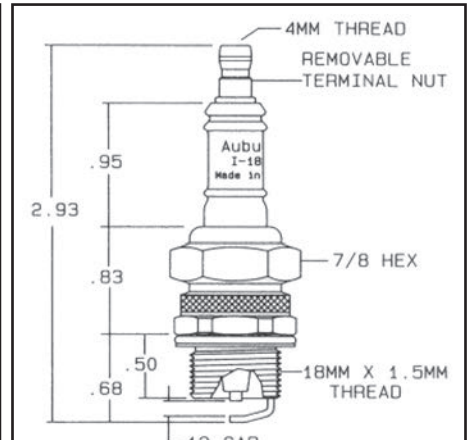
I-143

| | |
|----------|----------|
| No. | Ref. No. |
| E5-I-143 | I-143 |



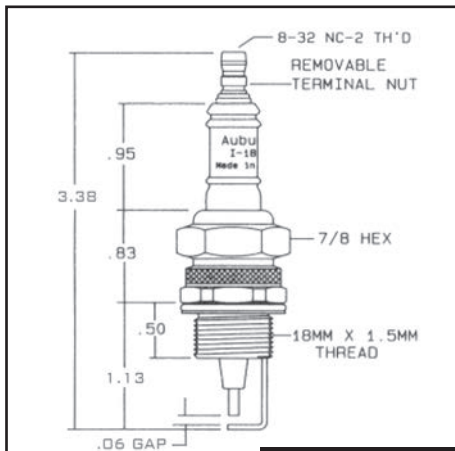
I-144

| | |
|----------|----------|
| No. | Ref. No. |
| E5-I-144 | I-144 |



I-181

| | |
|----------|----------|
| No. | Ref. No. |
| E5-I-181 | I-181 |



I-182

| | |
|----------|----------|
| No. | Ref. No. |
| E5-I-182 | 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!

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

AUBURN ELECTRODES

| | |
|----------------|----------|
| I-182-1 | |
| No. | Ref. No. |
| E5-I-182-1 | I-182-1 |

| | |
|-------------|----------|
| IA-9 | |
| No. | Ref. No. |
| E5-IA-9 | IA-9 |

| | |
|---------------|----------|
| IC-9-2 | |
| No. | Ref. No. |
| E5-IC9-2 | IC9-2 |

| | |
|--------------|----------|
| IC-10 | |
| No. | Ref. No. |
| E5-IC-10 | IC-10 |

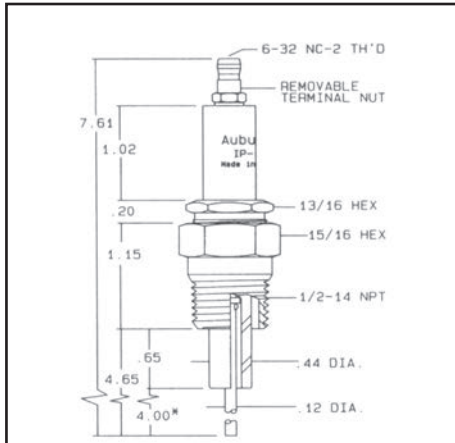
| | |
|--------------|----------|
| IC-15 | |
| No. | Ref. No. |
| E5-IC-15 | IC-15 |

| | |
|-----------------|----------|
| IC-15-3B | |
| No. | Ref. No. |
| E5-IC-15-3B | IC-15-3B |

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!

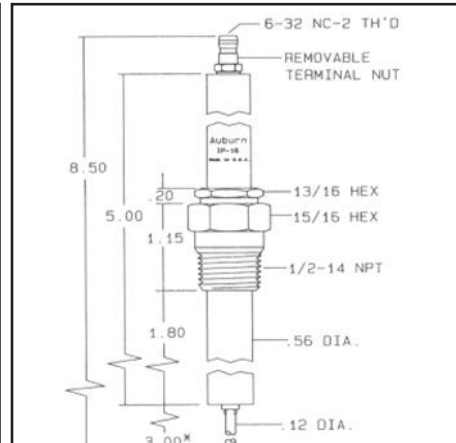
* Dimensions marked with an asterisk are standard lengths - Other lengths available upon request

AUBURN ELECTRODES



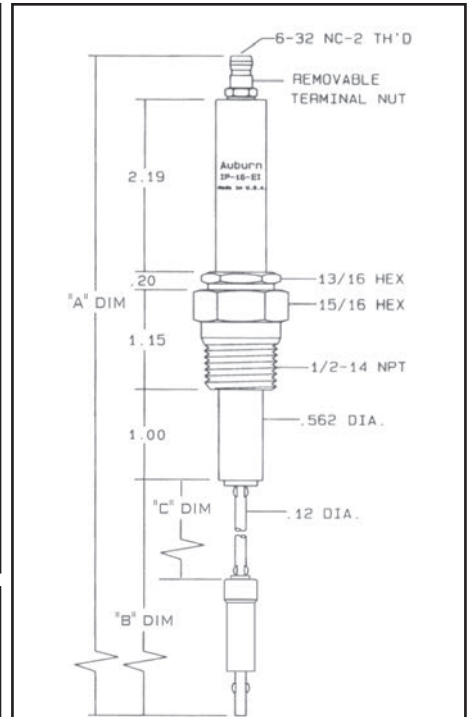
IP-9

| | |
|---------|----------|
| No. | Ref. No. |
| E5-IP-9 | IP-9 |



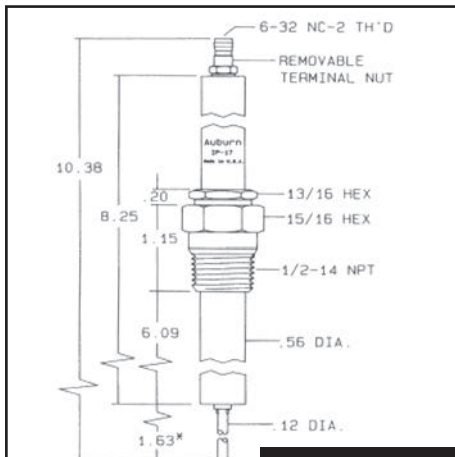
IP-16

| | |
|----------|----------|
| No. | Ref. No. |
| E5-IP-16 | IP-16 |



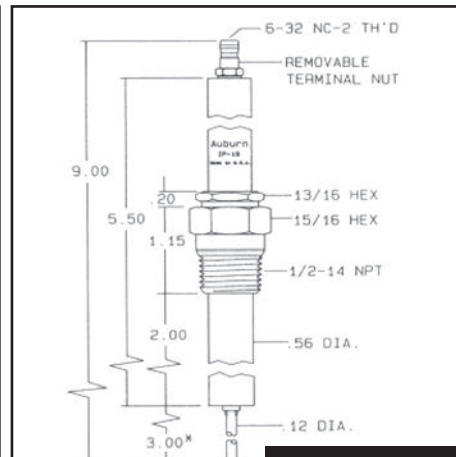
IP-16-EI Series

| | | | | |
|-------------|----------|-------|-------|-------|
| No. | Ref. No. | "A" | "B" | "C" |
| E5-IP-16-EI | IP-16-EI | 18.75 | 13.25 | 11.25 |



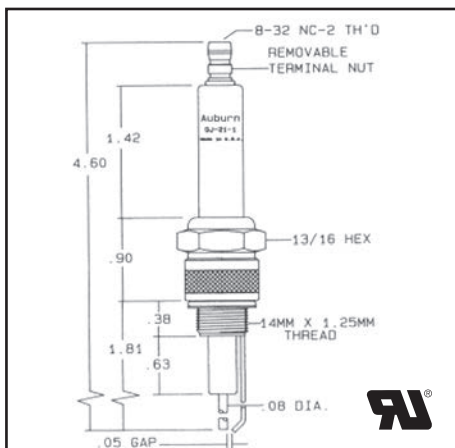
IP-17

| | |
|----------|----------|
| No. | Ref. No. |
| E5-IP-17 | IP-17 |



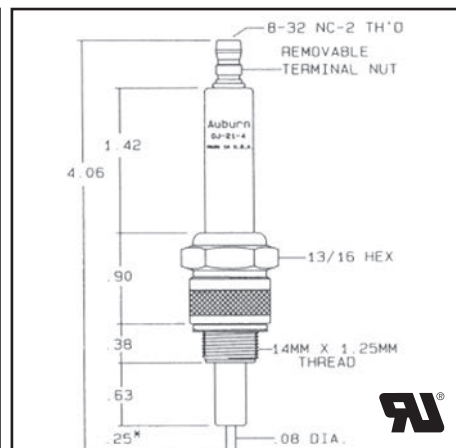
IP-19

| | |
|----------|----------|
| No. | Ref. No. |
| E5-IP-19 | IP-19 |



OJ-21-1

| | |
|------------|----------|
| No. | Ref. No. |
| E5-OJ-21-1 | OJ-21-1 |



OJ-21-4

| | |
|------------|----------|
| No. | Ref. No. |
| E5-OJ-21-4 | OJ-21-4 |

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

AUBURN ELECTRODES & FLAME RODS

OJ-21-5

| No. | Ref. No. |
|------------|----------|
| E5-OJ-21-5 | OJ-21-5 |

FLAME ROD FRS-2 Series

Center electrode tip operating temp 2,350° F

| No. | Ref. No. | "A" DIM. |
|-------------|----------|----------|
| E5-FRS-2-6 | FRS-2-6 | 6" |
| E5-FRS-2-12 | FRS-2-12 | 12" |
| E5-FRS-2-18 | FRS-2-18 | 18" |
| E5-FRS-2-24 | FRS-2-24 | 24" |

FLAME ROD FRS-4 Series

Center electrode tip operating temp 2,350° F

| No. | Ref. No. | "A" DIM. |
|----------------|-------------|----------|
| E5-FRS-4-4 | FRS-4-4 | 4" |
| E5-FRS-4-6 | FRS-4-6 | 6" |
| E5-FRS-4-7-1/2 | FRS-4-7-1/2 | 7-1/2" |
| E5-FRS-4-12 | FRS-4-12 | 12" |
| E5-FRS-4-24 | FRS-4-24 | 24" |

FLAME ROD FRS-3

| No. | Ref. No. |
|----------|----------|
| E5-FRS-3 | FRS-3 |

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!

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

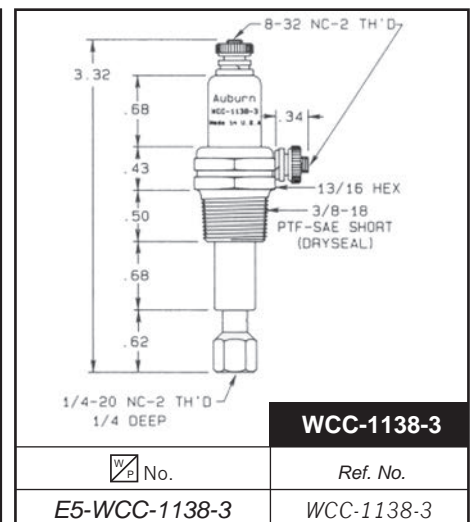
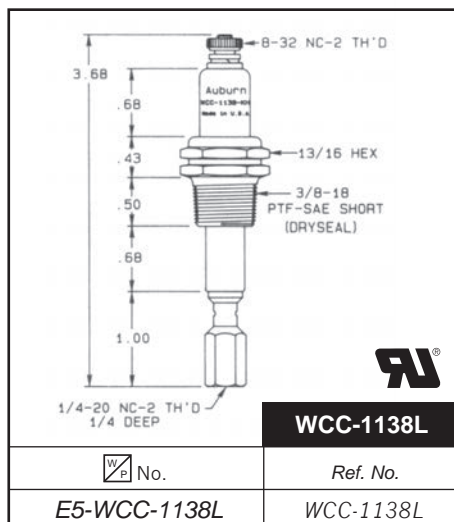
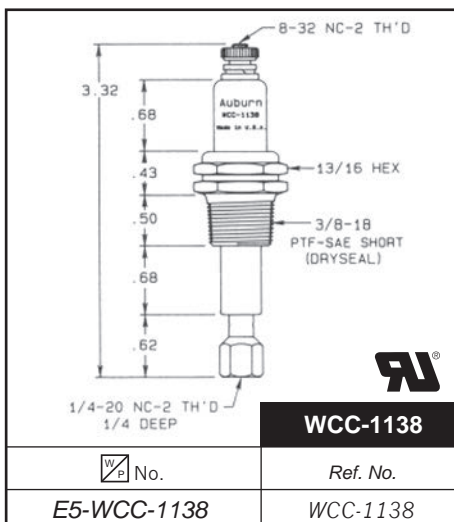
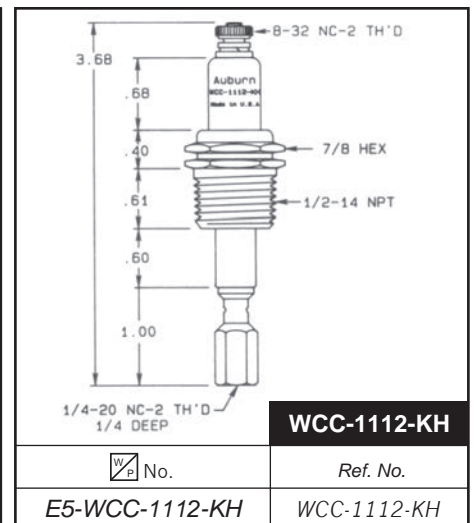
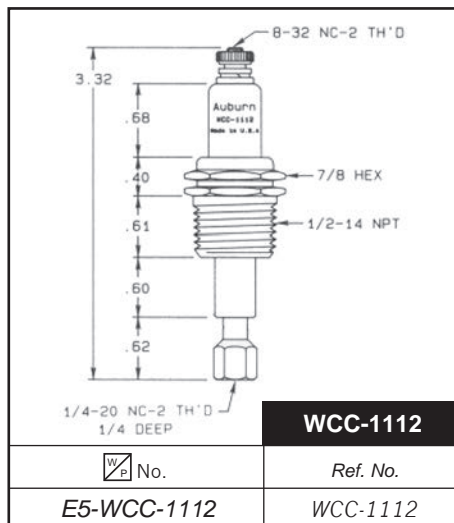
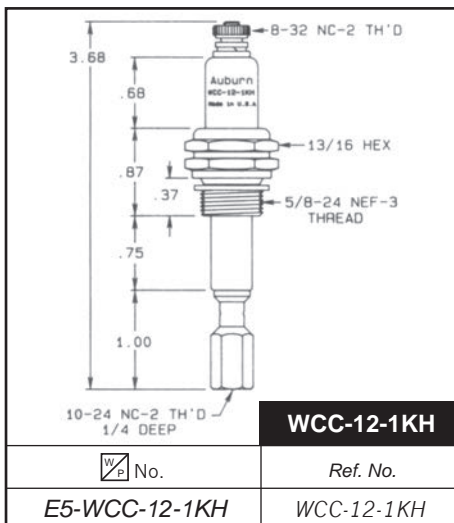
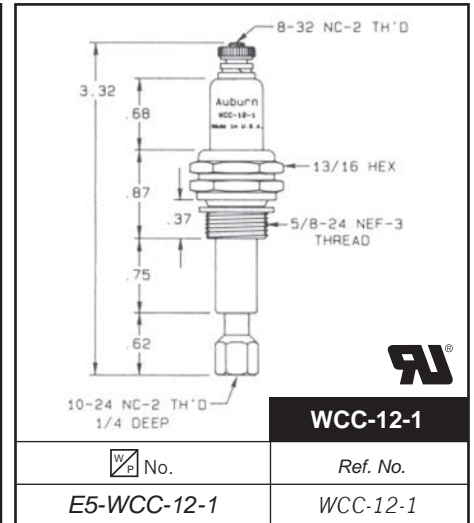
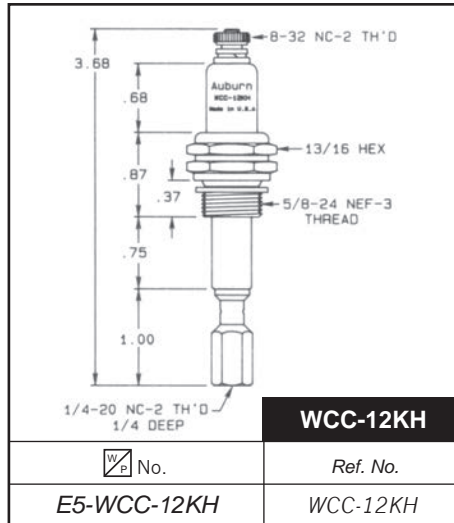
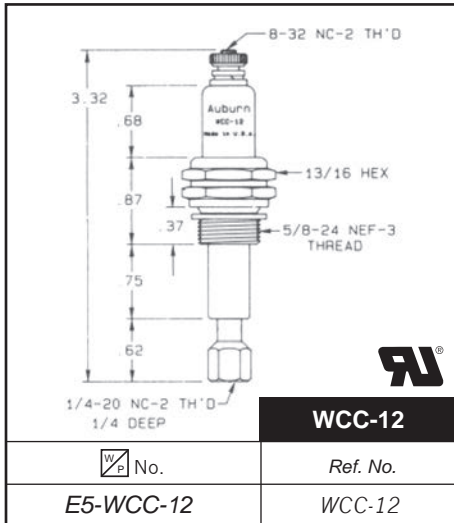
AUBURN LIQUID LEVEL ELECTRODES

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



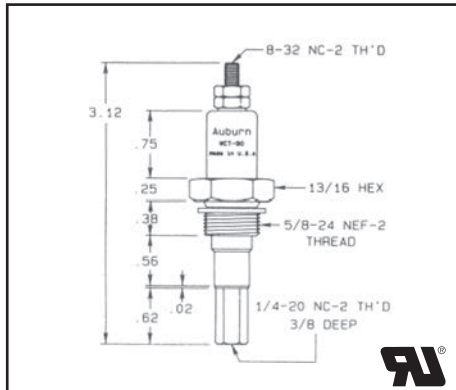
AUBURN LIQUID LEVEL ELECTRODES

WCT Series:

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

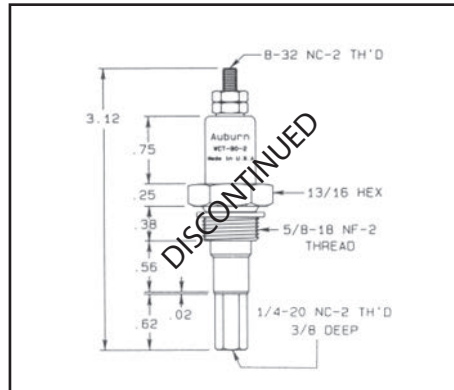
Non-steam applications up to 1,000 PSI at 120° F or 0 PSI at 400° F

Steam applications up to 100 PSI at 337° F



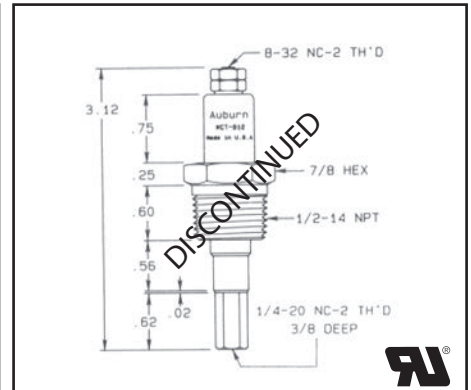
WCT-90

| | |
|-----------|----------|
| No. | Ref. No. |
| E5-WCT-90 | WCT-90 |



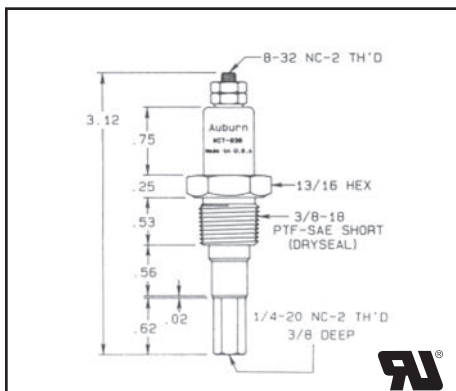
WCT-90-2

| | |
|-------------|----------|
| No. | Ref. No. |
| E5-WCT-90-2 | WCT-90-2 |



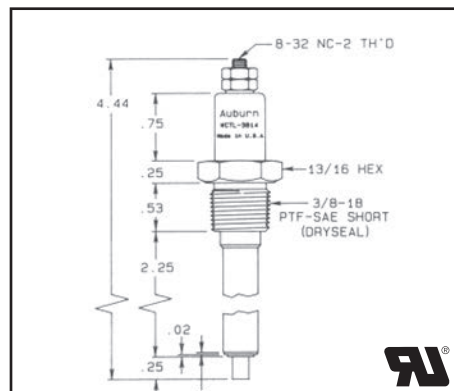
WCT-912

| | |
|------------|----------|
| No. | Ref. No. |
| E5-WCT-912 | WCT-912 |



WCT-938

| | |
|------------|----------|
| No. | Ref. No. |
| E5-WCT-938 | WCT-938 |



WCTL-3814

| | |
|--------------|-----------|
| No. | Ref. No. |
| E5-WCTL-3814 | WCTL-3814 |

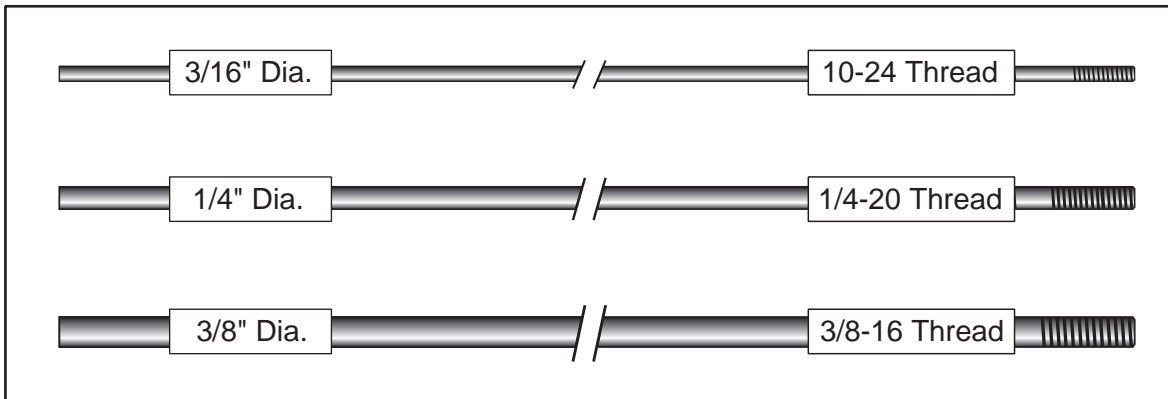
As a major distributor of Auburn Liquid Level Electrodes, Westwood can special order any Auburn item not shown in this catalog and get it to you fast!




LIQUID LEVEL PROBES for FULTON BOILERS on page H9

Please order by No.

Westwood

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

|  No. | Ref. No. | Thread | Length | Diameter |
|---|----------|--------|--------|----------|
| 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" |

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



Take a look ...

LIQUID LEVEL PROBES for
FULTON BOILERS on page H9

Westwood

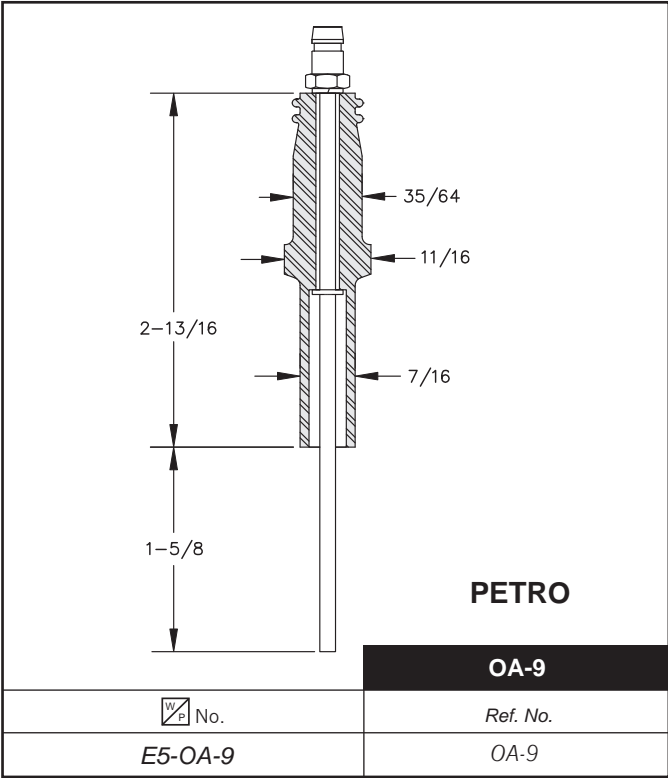
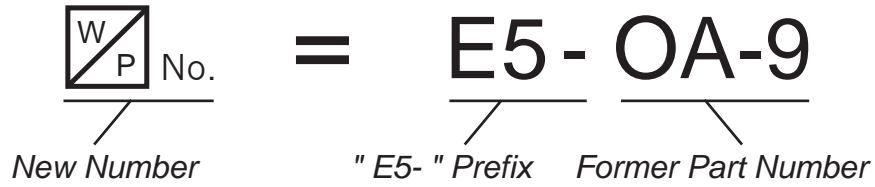
CHAMPION

IGNITION ASSEMBLIES



NOTE: Champion ignition assembly part numbers are now "E5-" followed by the former number.

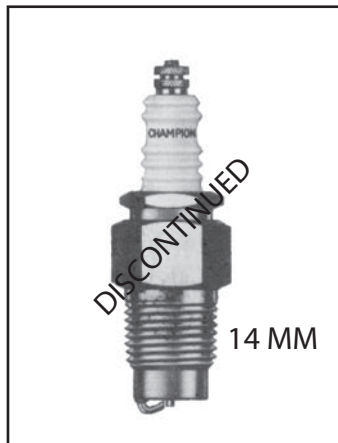
Example:



Westwood

CHAMPION

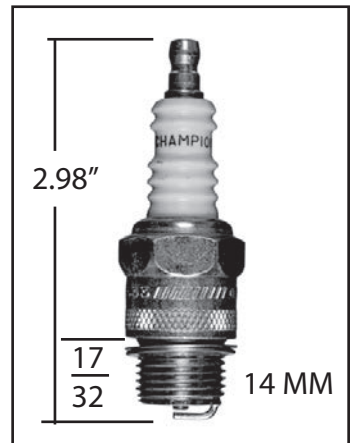
IGNITION ASSEMBLIES



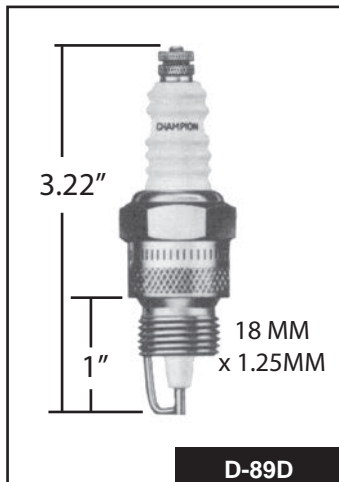
| | |
|---------|----------|
| No. | Ref. No. |
| E5-A-25 | A-25 |



| | |
|---------|----------|
| No. | Ref. No. |
| E5-CJ-8 | CJ-8 |



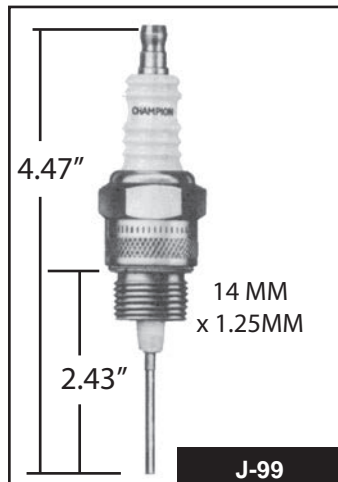
| | |
|--------|----------|
| No. | Ref. No. |
| E5-D-9 | D-9 |



| | |
|----------|----------|
| No. | Ref. No. |
| E5-D-89D | D-89D |



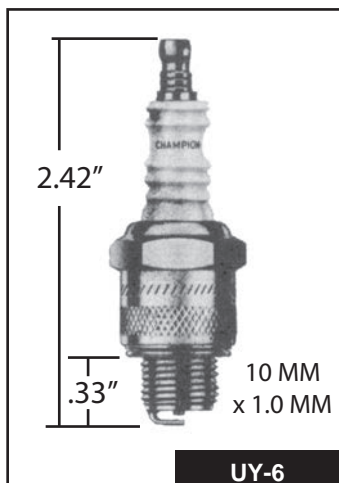
| | |
|---------|----------|
| No. | Ref. No. |
| E5-H14Y | H14Y |



| | |
|---------|----------|
| No. | Ref. No. |
| E5-J-99 | J-99 |



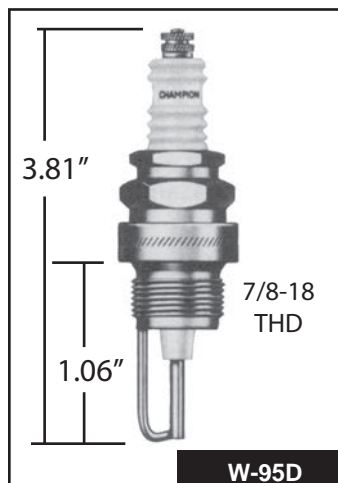
| | |
|---------|----------|
| No. | Ref. No. |
| E5-K97F | K97F |



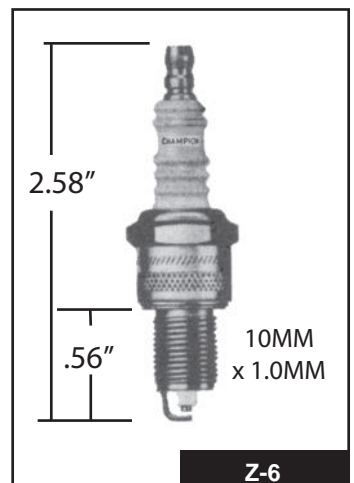
| | |
|---------|----------|
| No. | Ref. No. |
| E5-UY-6 | UY-6 |



| | |
|--------|----------|
| No. | Ref. No. |
| E5-W18 | W18 |



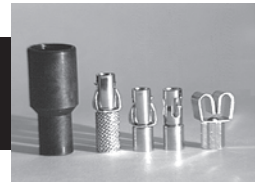
| | |
|----------|----------|
| No. | Ref. No. |
| E5-W-95D | W-95D |



| | |
|--------|----------|
| No. | Ref. No. |
| E5-Z-6 | Z-6 |

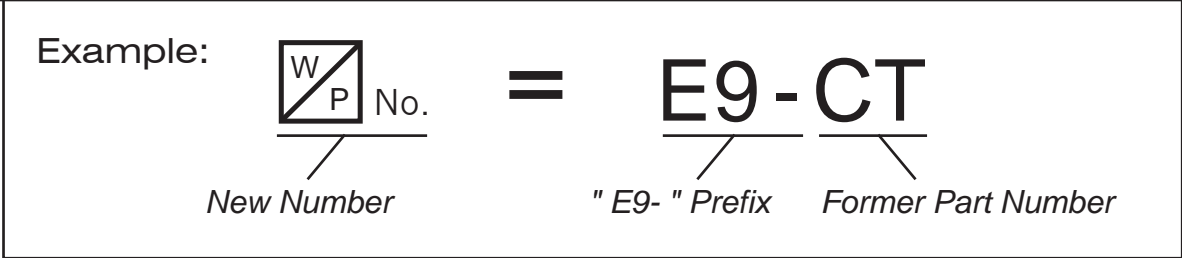


TERMINALS



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

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



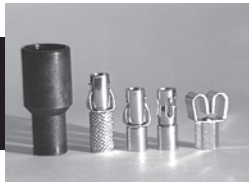
Note: Terminal part number endings of 6-32, 8-32, 10-24, and 10-32 refer to terminal thread size

| | | | | |
|---|--|---|--------------------------------------|---|
| 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 |

Please order by No.



TERMINALS

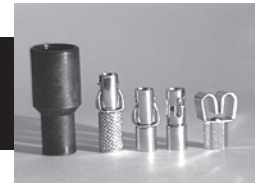


Note: Terminal part number endings of 6-32, 8-32, 10-24, and 10-32 refer to terminal thread size















| | | | | |
|---|--|--|---|---|
|  <p>W/P No. E9-T-SOS</p> |  <p>W/P No. E9-AS-SOS</p> |  <p>W/P No. E9-BS-SOS</p> |  <p>W/P No. E9-SSN</p> |  <p>W/P No. E9-RSN</p> |
|  <p>W/P No. E9-TSN</p> |  <p>W/P No. E9-ASN</p> |  <p>W/P No. E9-BSN</p> |  <p>W/P No. E9-ACT-BS 6-32 E9-ACT-BS 10-32</p> |  <p>W/P No. E9-DS-1</p> |
|  <p>W/P No. E9-FF-1</p> |  <p>W/P No. E9-CC-1</p> |  <p>W/P No. E9-SS-LBS</p> |  <p>W/P No. E9-SS-LTS</p> |  <p>W/P No. E9-XC</p> |
|  <p>W/P No. E9-SA-1 6-32</p> |  <p>W/P No. E9-ITN 8-32 E9-ITN 10-32</p> |  <p>W/P No. E9-ITN-S 6-32 E9-ITN-S 8-32</p> |  <p>W/P No. E9-TC-10</p> |  <p>W/P No. E9-TS-10</p> |
|  <p>W/P No. E9-R-1</p> |  <p>W/P No. E9-RS-3 10-32</p> |  <p>W/P No. E9-RX-4 6-32 E9-RX-4 8-32 E9-RX-4 10-32</p> |  <p>W/P No. E9-RX-5 10-32</p> |  <p>W/P No. E9-RP-6</p> |
|  <p>W/P No. E9-RC-5</p> |  <p>W/P No. E9-RE-7</p> |  <p>W/P No. E9-AEBF</p> |  <p>W/P No. E9-EBF</p> |  <p>W/P No. E9-B-10 10-32 5/16" Long</p> |
|  <p>W/P No. E9-B-11 10-32 1 1/16" Long</p> |  <p>W/P No. E9-BC-11</p> |  <p>W/P No. E9-BS-12</p> | | |



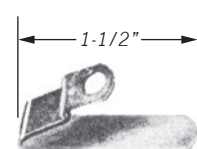
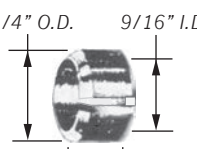
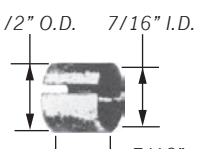
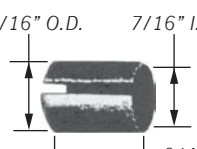
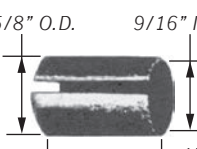



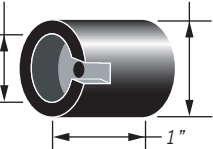
TERMINALS



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

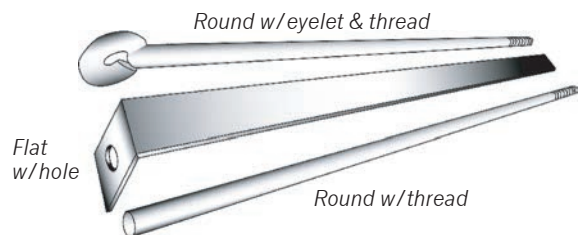
| | | | | |
|---|---|---|--|---|
| <p><i>Reckett</i> DISCONTINUED USE E9-Y5-10</p>  <p>W/P No. E9-S-15 10-32</p> |  <p>W/P No. E9-AL-10</p> |  <p>W/P No. E9-AS-10</p> |  <p>W/P No. E9-ASC</p> |  <p>W/P No. E9-S-10</p> |
|  <p>W/P No. E9-CS</p> |  <p>W/P No. E9-YL-10</p> |  <p>W/P No. E9-YS-10</p> | 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

SPECIALTY TERMINAL & ELECTRODE HARDWARE


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

BUSS BARS

| W/P 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 |

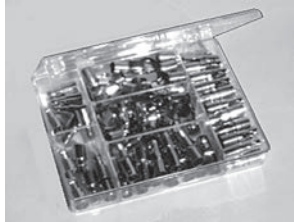



* Other lengths available up to 24"

Please order by  No.


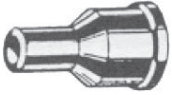



IGNITION TERMINAL KITS



|  No. | Ref. No. | Description |
|---|----------|--|
| E9-34 | 34 | Rajah™ "Mini" Ignition Terminal Kit: |
| | | 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 | Rajah™ Transformer Terminal Kit: |
| | | 6 - AS-10 Short Adapter Spring 6 - AL-10 Long Adapter Spring 2 - STS-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 Hex Stud (10-32) |
| E9-2097 | 2097 | Rajah™ "Pro" Ignition Terminal Kit: |
| | | 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) Terminal Crimping Tool |
| E9-3500 | 3500 | Rajah™ "Deluxe" Ignition Terminal Kit: |
| | | 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 Hex Stud (10-32) 1 - 1/4" Nut Driver 1 - 5/16" Nut Driver 1 - T200-10 (former #695) Terminal Crimping Tool |
| E9-CK-1 | CK-1 | Rajah™ Carlin Transformer Contact Kit: |
| | | 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 |

ELECTRICAL CLIPS & RUBBER BOOTS



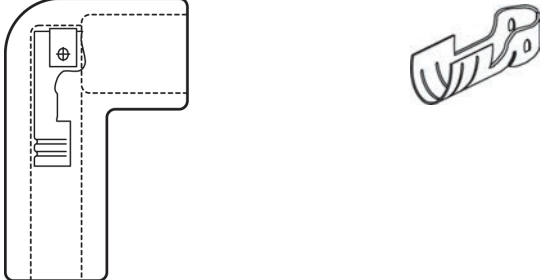
| | | | |
|--|---|--|--|
|  <p> No. E9-LV CLIP</p> | <p>Vinyl</p>  <p> No. E9-LV BOOT</p> |  <p> No. E9-20 AMP CLIP</p> | <p>Vinyl</p>  <p> No. E9-20 AMP BOOT</p> |
| <p>Distributor nipple</p>  <p> No. E9-DN</p> | <p>Silicone Rubber</p>  <p> No. E9-250 BOOT</p> | <p>Silicone Rubber</p>  <p> No. E9-251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



Take a look ...

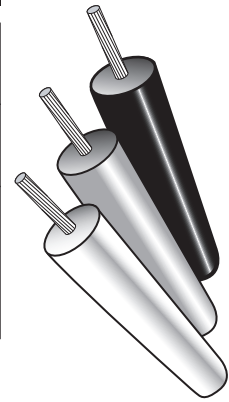
JUMPERS & CORD CLIP SETS on page T13

HIGH TEMPERATURE CERAMIC SPARK PLUG BOOTS with Stainless Steel Terminals

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

Westwood IGNITION CABLE

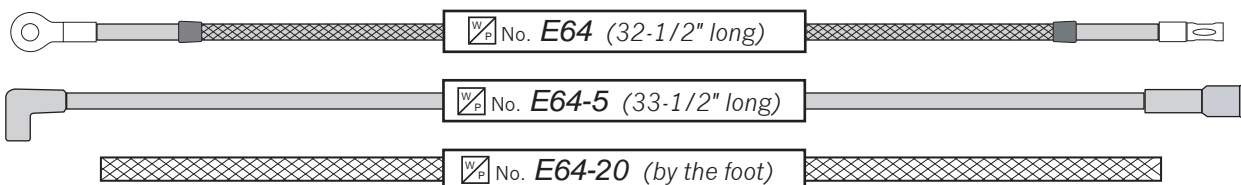
| Cable Type | UL LISTED | W/P No. | | |
|----------------|-----------|----------|-----------|-------------|
| | | 25' Roll | 100' Roll | 1,000' Roll |
| GTO-15 | Yes | E60-25 | E60-100 | E60-1000 |
| White Silicone | - | E62-25 | E62-100 | - |
| Red Silicone | Yes | E63-25 | E63-100 | E63-1000 |



| | |
|-----------------------|---|
| 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 LISTED 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 LISTED |

CABLE ASSEMBLIES and FIBERGLAS BRAID

| W/P No. | Ref. No. | Description |
|---------|----------|--|
| E64 | #3250 | Red Silicone wire high temperature cable assembly with protective metal braid . Temperature range -65° F to 450° F. Overall length is 32-1/2". |
| E64-5 | #RS-3350 | Red Silicone wire high temperature cable assembly with red Silicone boots . Temperature range -65° F to 450° F. Withstands 10,000 VAC / 25,000 VDC . 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

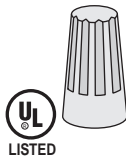
No. **E70**

Contains 175 of the most popular terminals and connectors

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

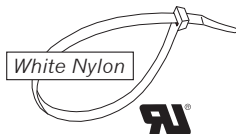
| | | | | | |
|--|--|---|--|---|---|
| AWG: 22-16 Female .250 Tab No. E70-10 | AWG: 22-16 Ring #6 Stud No. E70-20 | AWG: 16-14 Ring #8 Stud No. E70-21 | AWG: 16-14 Spade #8 Stud No. E70-34 | AWG: 16-14 Spade #10 Stud No. E70-36 | AWG: 22-16 Butt Connector No. E70-40 |
| BACK ROW - All Packages of 100 | | | | | |
| 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 |
| MIDDLE ROW - Packages of 100 | | | | | Pkg. of 50 |
| 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 |
| FRONT ROW - All Packages of 50 | | | | | |

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 |

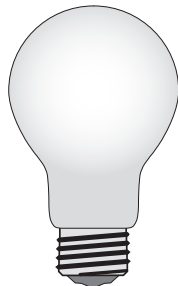
CABLE TIES - Part numbers are for a package of 100



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

ROUGH SERVICE BULBS

Part numbers are for a box of 2 bulbs



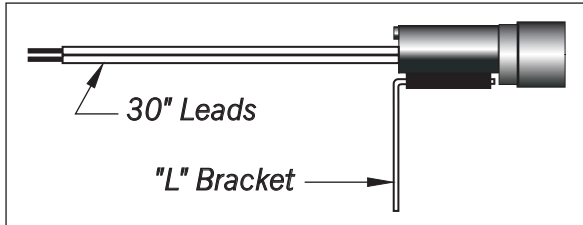
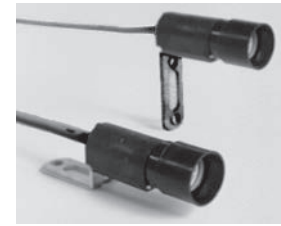
| | | |
|-----|---------|----------|
| | 75 Watt | 100 Watt |
| No. | E70-75 | E70-100 |



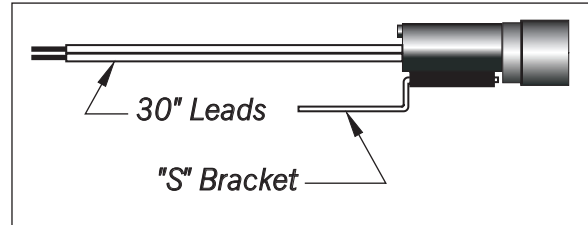
Please order by No.

Westwood
CAD CELL FLAME DETECTORS

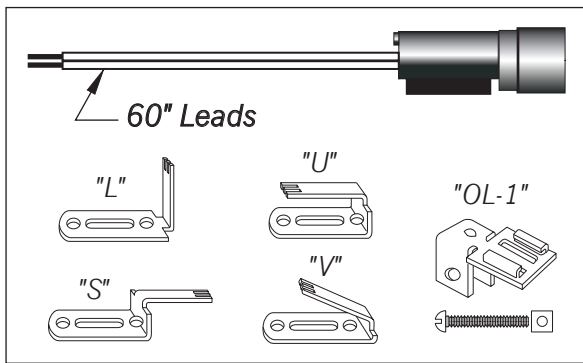
UNIVERSAL REPLACEMENT FOR HONEYWELL AND WHITE-RODGERS



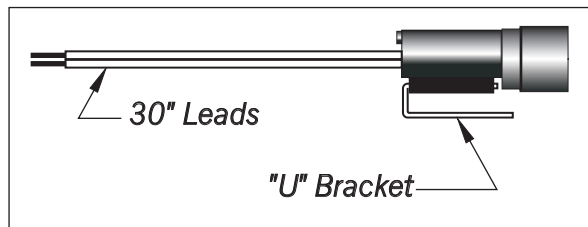
No. **E80**



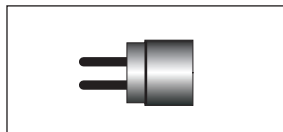
No. **E80-1**



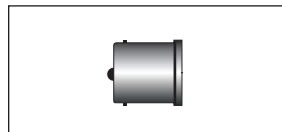
No. **E80-2**



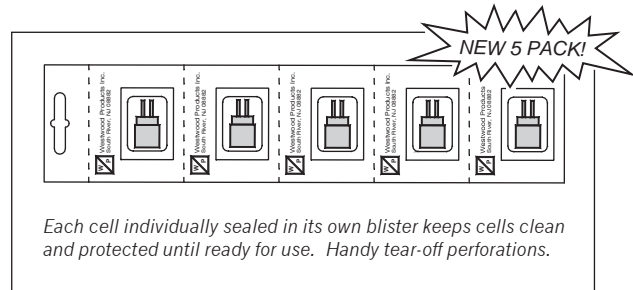
No. **E80-3**



No. **E81**



No. **E81-10**



Each cell individually sealed in its own blister keeps cells clean and protected until ready for use. Handy tear-off perforations.

No. **E81-5**

| No. | Ref. No. | Description |
|---------------|----------|---|
| E80 | TM-30L | Complete flame detector with cad cell eye*, 30" leads, "L" bracket, poly bag package |
| E80-1 | TM-30S | Complete flame detector with cad cell eye*, 30" leads, "S" bracket, poly bag package |
| E80-2 | 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 |
| E80-3 | - | Complete flame detector with cad cell eye*, 30" leads, "U" bracket, poly bag package |
| E81 | Type M | Cad cell eye* packaged in a box |
| E81-5 | - | Cad cell eye* 5 pack (blister card with 5 E81-5 eyes per card), tear-off perforations |
| E81-10 | Type W | Cad cell eye, bayonet mount for White-Rodgers cad cell flame detector, packaged in a box |

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



T70 Cad cell relay and eye tester on page T11

THERMOSTAT GUARDS

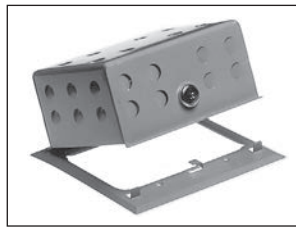
METAL AND PLASTIC TAMPER PROOF DESIGNS IN PLEASING COLORS

*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.*

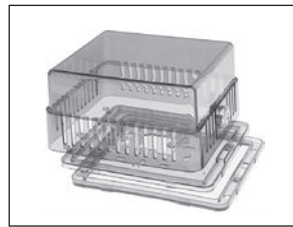
- ▶ Metal guards are constructed of 18-22 gauge steel with a baked enamel finish
- ▶ Plastic guards are molded from hi-impact plastic and can be used with both horizontally or vertically mounted thermostats
- ▶ All guards come with eight tumbler lock, one key, and mounting hardware
- ▶ Guards with ring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



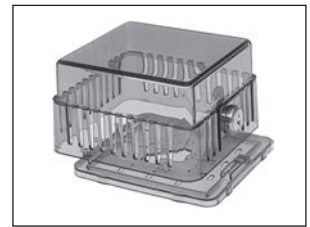
No. **E140**



No. **E140-1**



No. **E141**



No. **E142**



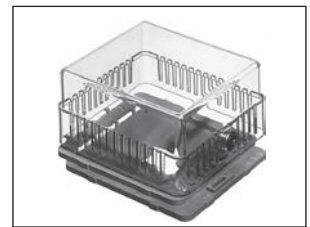
No. **E142-1**



No. **E142-2**



No. **E142-3**



No. **E143**

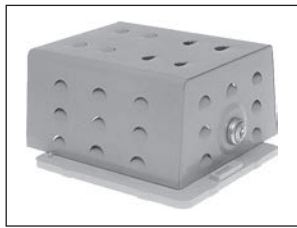
| No. | Ref. No. | Inside Dimensions H" x W" x D" | Mat'l | Color | Base | Comments |
|---------------|-----------|-----------------------------------|-------|-------|------|---|
| E140 | WTG-54VL | 6-1/4 x 4-3/4 x 3 | M | BE | SH | T80, T90, T91, T199, T330, T340, T42, T26, T87, T92, T651, T921, T872,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

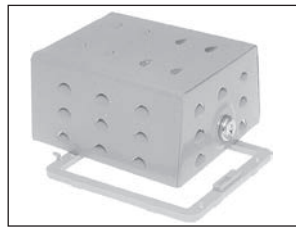
Please order by No.

THERMOSTAT GUARDS (CONTINUED)

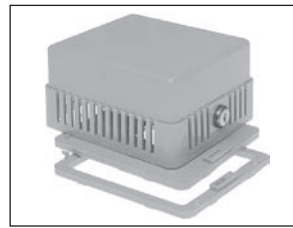
METAL AND PLASTIC TAMPER PROOF DESIGNS IN PLEASING COLORS



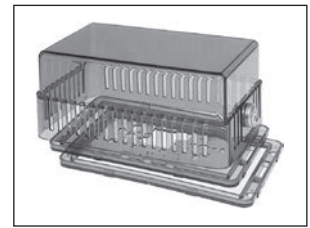
No. **E143-1**



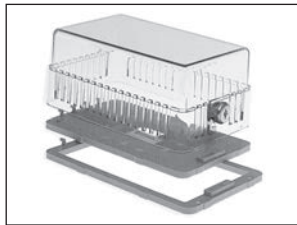
No. **E143-2**



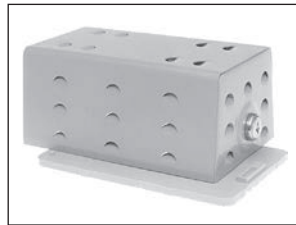
No. **E143-3**



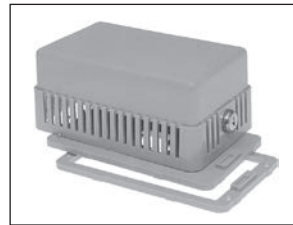
No. **E144**



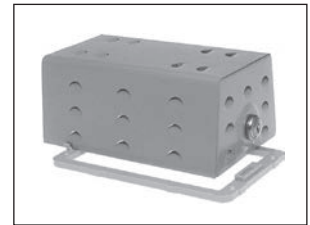
No. **E144-1**



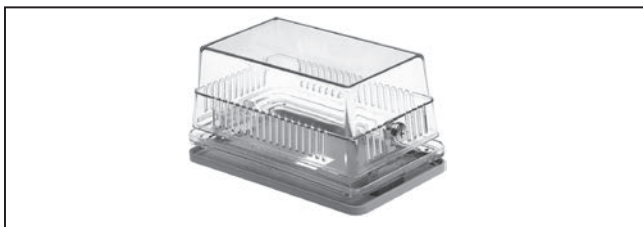
No. **E144-2**



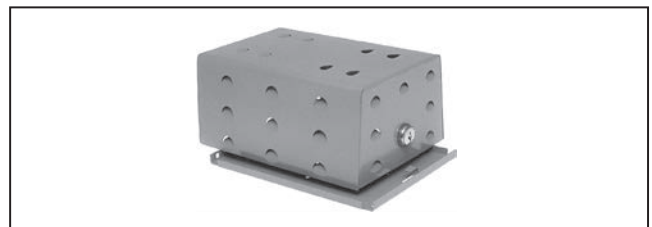
No. **E144-3**



No. **E144-4**

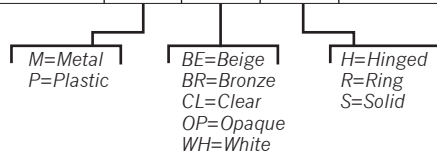


No. **E145 Series**



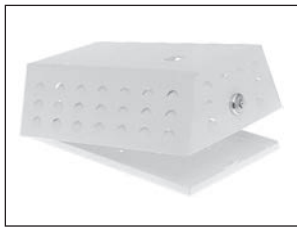
No. **E146**

| No. | Ref. No. | Inside Dimensions H" x W" x D" | Mat'l | Color | Base | Comments |
|---------------|----------|-----------------------------------|-------|-------|------|--|
| E143-1 | WTG-KM | 5-1/4 x 4-5/8 x 3 | M | BE | S | |
| E143-2 | WTG-KWM | 5-1/4 x 4-5/8 x 3-1/4 | M | BE | R | |
| E143-3 | WTG-O | 5-1/4 x 4-5/8 x 3-1/4 | P | OP | SR | |
| E144 | WTG-RB | 6-3/8 x 3-1/2 x 3-1/4 | P | BR | SR | |
| E144-1 | 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 |
| E144-2 | WTG-RM | 6-3/8 x 3-1/2 x 3 | M | BE | S | |
| E144-3 | WTG-RO | 6-3/8 x 3-1/2 x 3-1/4 | P | OP | SR | |
| E144-4 | WTG-RWM | 6-3/8 x 3-1/2 x 3-1/4 | M | BE | R | |
| E145 | 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 |
| E145-1 | WTG-UK2 | 8-1/8 x 4-5/8 x 3-5/8 | P | CL | SR | |
| E146 | WTG-UM | 7-1/4 x 5-3/8 x 3-1/2 | M | BE | S | |

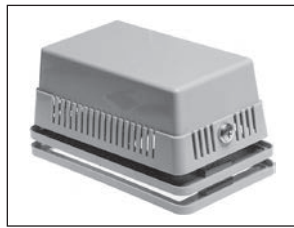


THERMOSTAT GUARDS (CONTINUED)

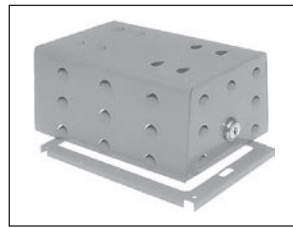
METAL AND PLASTIC TAMPER PROOF DESIGNS IN PLEASING COLORS



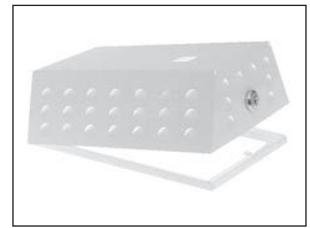
No. **E147 Series**



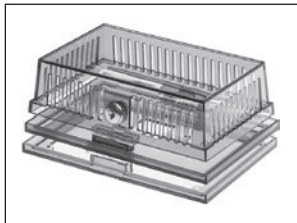
No. **E148**



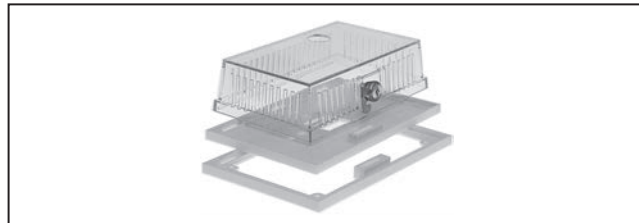
No. **E149**



No. **E150 Series**



No. **E151**

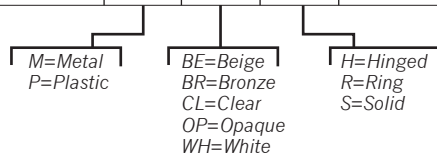


No. **E151-1, -2**



No. **E151-3**

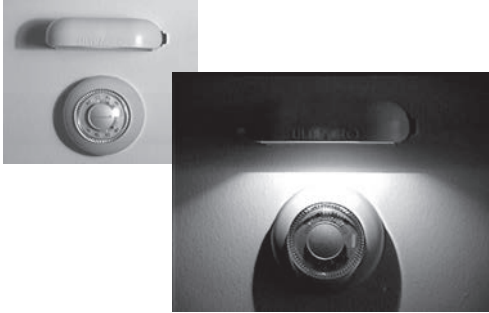
| No. | Ref. No. | Inside Dimensions H" x W" x D" | Mat'l | Color | Base | Comments |
|---------------|--------------|-----------------------------------|-------|-------|------|--|
| E147 | WTG-UM1 | 9-3/8 x 6-3/4 x 3 | M | WH | SH | Honeywell T7300 series |
| E147-1 | WTG-UM1DH | 9-3/8 x 6-3/4 x 3 | M | WH | SH | Honeywell T7300 series w/display opening |
| E147-2 | WTG-UM1DOH | 9-3/8 x 6-3/4 x 3 | M | WH | SH | Honeywell T7300 series w/override/display opening |
| E147-3 | WTG-UM1DOWR | 9-3/8 x 6-3/4 x 3 | M | WH | SH | White-Rodgers IF90 series w/override/display opening |
| E147-4 | WTG-UM1OH | 9-3/8 x 6-3/4 x 3 | M | WH | SH | Honeywell T7300 series w/override opening |
| E147-5 | WTG-UM1SDH | 9-3/8 x 6-3/4 x 3 | M | WH | SH | Honeywell T7400 series w/display opening |
| E148 | WTG-UO2 | 8-1/8 x 4-5/8 x 3-5/8 | P | OP | SR | |
| E149 | WTG-UWM | 6-3/4 x 4-1/4 x 3-9/16 | M | BE | R | |
| E150 | WTG-UWM1 | 9-3/8 x 6-3/4 x 3 | M | WH | RH | Honeywell T7300 series |
| E150-1 | WTG-UWM1DH | 9-3/8 x 6-3/4 x 3 | M | WH | RH | Honeywell T7300 series w/display opening |
| E150-2 | WTG-UWM1DOH | 9-3/8 x 6-3/4 x 3 | M | WH | RH | Honeywell T7300 series w/override/display opening |
| E150-3 | WTG-UWM1DOWR | 9-3/8 x 6-3/4 x 3 | M | WH | RH | White-Rodgers IF90 series w/override/display opening |
| E150-4 | WTG-UWM1OH | 9-3/8 x 6-3/4 x 3 | M | WH | RH | Honeywell T7300 series w/override opening |
| E150-5 | WTG-UWM1SDH | 9-3/8 x 6-3/4 x 3 | M | WH | RH | Honeywell T7400 series w/display opening |
| E151 | WTG-DB | 4-1/8 x 7-1/16 x 2-1/4 | P | BR | SR | |
| E151-1 | WTG-DK | 4-1/8 x 7-1/16 x 2-1/4 | P | CL | SR | |
| E151-2 | WTG-DK1 | 4-1/8 x 7-1/16 x 2-1/4 | P | CL | SR | w/override opening |
| E151-3 | WTG-DO | 4-1/8 x 7-1/16 x 2-1/4 | P | OP | SR | |



Please order by No.

ULTRAGLO™ Thermostat Light

Mounts anywhere!



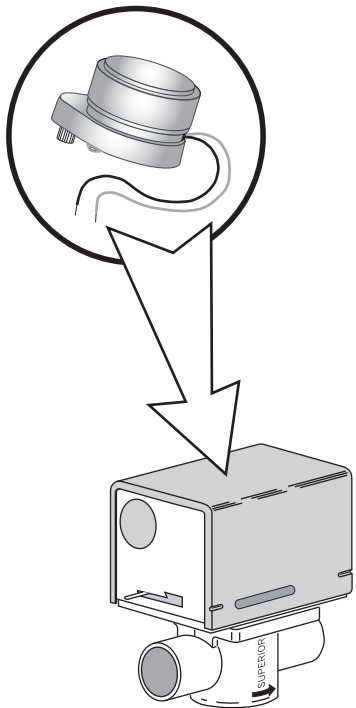
This easy to mount battery powered light has an ultra bright bulb that draws little current. It can be mounted in any convenient location with the two mounting screws provided. Easily slips out of its mounting bracket for use as a hand light. Use in cars, boats, RVs and campers too!

 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**



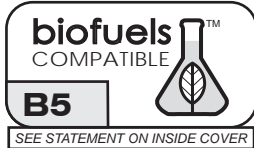
New easy to install screws!

|  No. | Description |
|---|--|
| E180 | 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 gage 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




No. F20

CLASSIC **FELT™**

Stacked Segment Element




No. F25



CHOICE OF ELEMENT INSIDE

Pure-Oil™


Fiber-Welded White Element



No. F65


CLASSIC **FELT™**

Stacked Segment Element



No. 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 ...

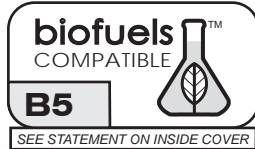
UL Recognized CANISTER UPGRADE KITS on page F11
Individual FILTER GASKETS on page F10

Please order by  No.

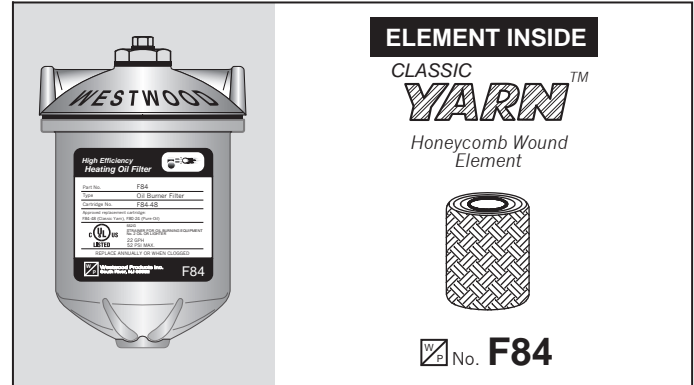
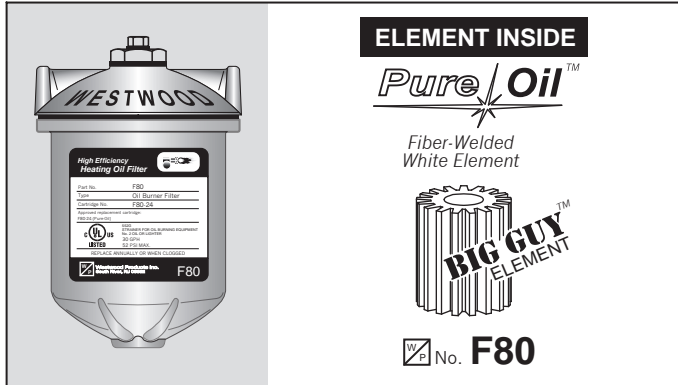
Westwood

HIGH CAPACITY CAST IRON TOP FUEL FILTERS

WITH **EPOXY** COATING INSIDE!



- Exact Replacement for popular CAST IRON top filters
- Heavy gage 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

BIG GUY™
ELEMENT
HOLDS TWICE
AS MUCH!

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

All filters have 3/8"- NPT pipe connections

Take a look ...

UL Recognized CANISTER UPGRADE KITS on page F11
Individual FILTER GASKETS on page F10

Westwood

the NEW industry leader in Spin-Ons!

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

ALL heads tapped for bracket

Cast aluminum top

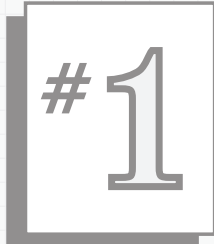
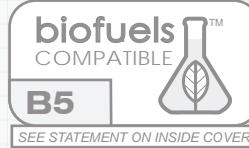
Seamless one piece canister (drawn steel)

Epoxy coated inside

Ultra-10™ 10 Micron media

Plated steel end caps (media embedded in thermo setting adhesive)

Spring pad (no metal to epoxy contact)



The FIRST Epoxy Coated UL LISTED Spin-On!



Perforated metal center support tube

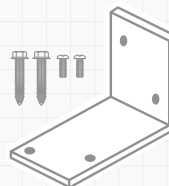
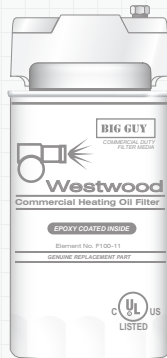
Precision coil spring

For Every Service Need...

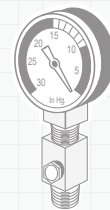
Residential



Commercial



Mounting Bracket Kit



FLI™ Filter Life Indicator with Gauge Mount & Bleeder fitting


See the following page for a complete listing of the entire Spin-On line, replacement elements, and accessories.

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

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.







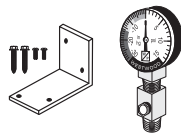

biofuelsTM
COMPATIBLE

B5







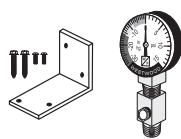



SEE STATEMENT ON INSIDE COVER

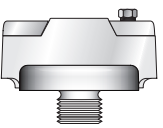
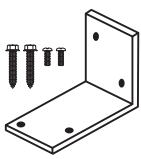

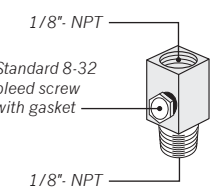

RESIDENTIAL - 17 GPH, 40 PSI, 10 Micron

| | | | | |
|---|---|---|---|--|
|  <p>Ultra-10TM 10 MICRON FILTER MEDIA</p> <p>No. F100 Complete Filter</p> |   <p>No. F100-2 Complete Filter with bracket kit</p> |   <p>No. F100-4 Complete Filter with bleeder fitting and FLITM gauge</p> |   <p>No. F100-6 Complete Filter with bracket kit, bleeder fitting and FLITM gauge</p> |  <p>Ultra-10TM 10 MICRON FILTER MEDIA</p> <p>No. F100-10 Replacement Element, individually boxed with "O" ring</p> |
|---|---|---|---|--|

COMMERCIAL - 37 GPH, 20 PSI, 30 Micron


| | | | | |
|--|--|--|--|---|
|  <p>COMMERCIAL DUTY 30 MICRON FILTER MEDIA</p> <p>No. F100-1 Complete Filter</p> |   <p>No. F100-3 Complete Filter with bracket kit</p> |   <p>No. F100-5 Complete Filter with bleeder fitting and FLITM gauge</p> |   <p>No. F100-7 Complete Filter with bracket kit, bleeder fitting and FLITM gauge</p> |  <p>COMMERCIAL DUTY 30 MICRON FILTER MEDIA</p> <p>No. F100-11 Replacement Element, individually boxed with "O" ring</p> |
|--|--|--|--|---|

SPIN-ON PARTS & ACCESSORIES

| | | | | |
|---|--|---|--|--|
|  <p>No. F100-8 Replacement filter top only with holes for bracket</p> |  <p>No. F100-12 Mounting bracket Kit (includes screws)</p> | <p>FLITM</p>  <p>No. F100-14 FLITM (Filter Life Indicator) color coded compound gauge</p> |  <p>No. F100-16 Gauge mount and bleeder fitting (allows filter bleeding without removing gauge)</p> |  <p>No. F100-18 Spin-On filter wrench (fits all popular filters)</p> |
|---|--|---|--|--|

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

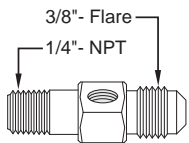
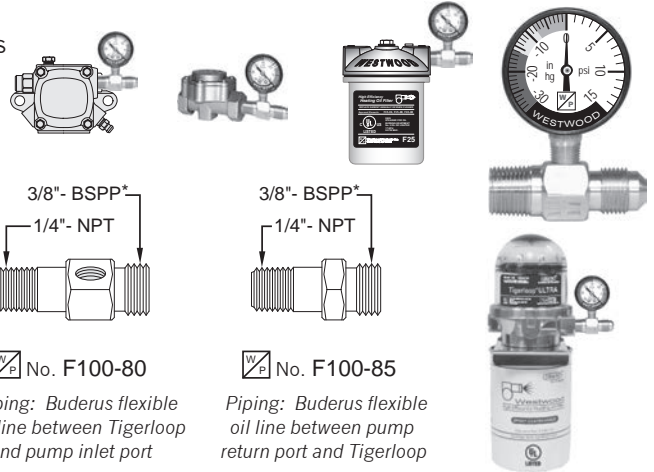
SPIN-ON CROSS REFERENCE - Westwood to others


|  No. | Description | Gar-Ber | Sid Harvey (Mitco) | Crown |
|---|---|---------|--------------------|-------|
| F100 | Filter - Residential | 11V-R | 290, 264-SO | 41439 |
| F100-1 | Filter - Commercial | - | 292-2, 264-92 | - |
| F100-2 | Filter - Residential w/bracket | 11BV-R | - | - |
| F100-3 | Filter - Commercial w/bracket | 11BV-M | 292-2B, 264-92B | - |
| F100-4 | Filter - Residential w/gauge | 11V-RK | - | - |
| F100-5 | Filter - Commercial w/gauge | - | 292-2G, 264-92G | - |
| F100-6 | Filter - Residential w/bracket & gauge | 11BV-RK | - | - |
| F100-7 | Filter - Commercial w/bracket & gauge | 11BV-MK | 292-2GB, 264-92GB | - |
| F100-8 | Replacement spin-on filter top only | - | 290-SO, 290-SOM | - |
| F100-10 | Spin-On element only - Residential | R | 290-6, 264-91 | 41436 |
| F100-11 | Spin-On element only - Commercial | M | 292-1, 264-93 | - |
| F100-14 | Filter Life Indicator (FLI) color coded gauge, 1/8"-NPT | F.R.I. | - | - |
| F100-16 | Gauge mount and bleeder fitting | - | - | - |
| F100-18 | Spin-on filter wrench | - | - | - |

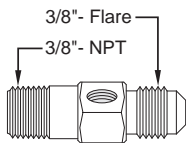
This cross-reference is provided as an aid in identifying which Westwood part numbers most closely replace those part numbers shown. It was accurate at the time it was created, to the extent that the information was publically available. Since manufacturers may sometimes change specs or discontinue products 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.


FLI™ FILTER LIFE INDICATOR GAUGE AND FITTINGS

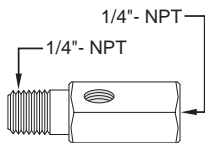
The **FLI™** gauge is a color coded compound gauge that predicts filter life by showing the running vacuum as the filter loads up. The fittings may also be used as a diagnostic tool wherever a gauge needs to be inserted into the system.




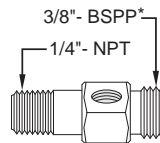
 No. F100-50
Piping: 3/8" Copper
Use at: Pump, OSV, Tigerloop




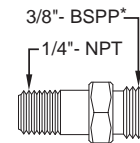
 No. F100-60
Piping: 3/8" Copper
Use at: Filter





 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 |
|---|---|-------------------|------------------------|
| F100-14 | FLI™ Filter Life Indicator color coded gauge, 1/8"-NPT | - | - |
| F100-50 | FLI™ fitting, 3/8" flare x 1/4"- NPT(M) | 3/8" OD Copper | Pump, OSV, Tigerloop |
| F100-55 | F100-50 fitting with FLI™ gauge | 3/8" OD Copper | Pump, OSV, Tigerloop |
| F100-60 | FLI™ fitting, 3/8" flare x 3/8"- NPT(M) | 3/8" OD Copper | Filter |
| F100-65 | F100-60 fitting with FLI™ gauge | 3/8" OD Copper | Filter |
| F100-70 | FLI™ fitting, 1/4"- NPT(F) x 1/4"- NPT(M) | Flexible Oil Line | Pump, OSV, Tigerloop |
| F100-75 | F100-70 fitting with FLI™ gauge | Flexible Oil Line | Pump, OSV, Tigerloop |
| F100-80 | FLI™ fitting, 3/8"- BSPP* x 1/4"- NPT(M), with FLI™ gauge | Buderus Oil Line | Tigerloop to pump |
| F100-85 | 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.

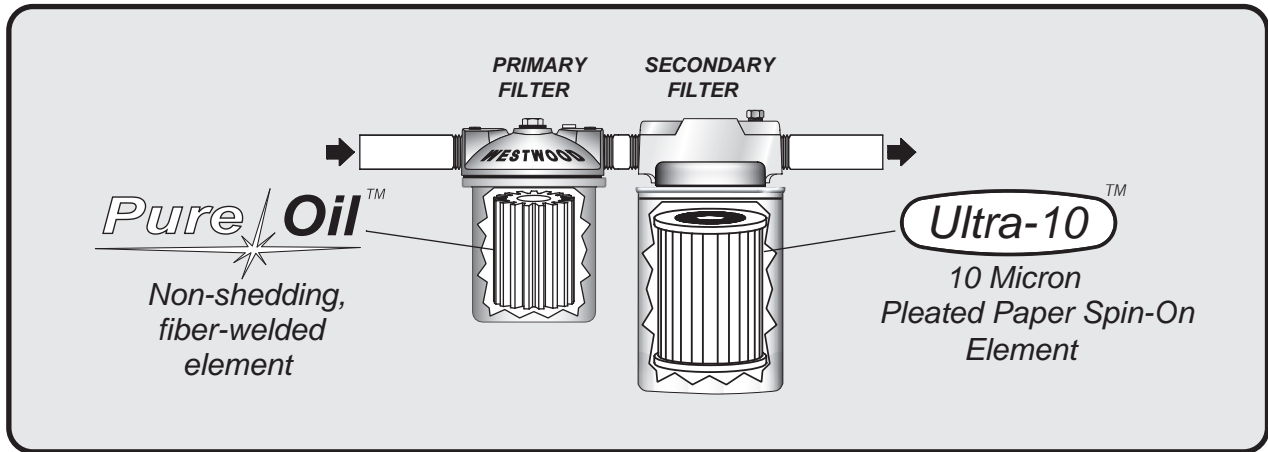
rev. 5-1-07

F5

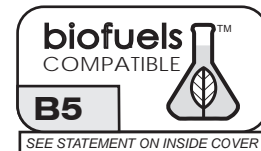
Westwood

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 | | F100 | |
| F65-100 | F65 | Pure-Oil™ | F100 | 10 micron spin-on |
| F80-100 | F80 | | F100 | |



All filters have 3/8" - NPT pipe connections

Take a look ...

UL Recognized CANISTER UPGRADE KITS on page F11
Individual FILTER GASKETS on page F10

F6

rev. 9-1-13

Please order by 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 (Mico) 264, 265; Fulflo FB4; and Firomatic C-40, C-50

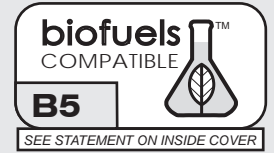
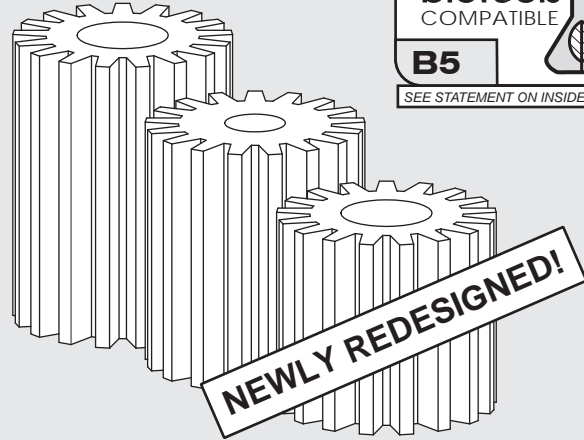
Be Safe! Always look for the UL Recognized Component symbol




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™ BIG GUY™ 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™ BIG GUY™ 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™ BIG GUY™ 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!

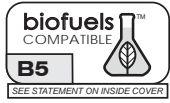
Individual FILTER GASKETS on page F10

F8

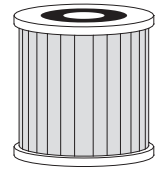
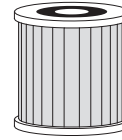
Ultra-10™

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



W/P No. **F12-12**

W/P No. **F32-12**

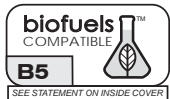
| W/P No. | Description | Fits | QTY PKG |
|---------|--------------------------------------|---|---------|
| F12-12* | Ultra-10™ Indiv. bagged with gaskets | General 1A-25A; Unifilter 77; Westwood F10, F12, F15, F20, F25; Sid Harvey (Mitco) 264, 264F | 12 |
| F32-12* | Ultra-10™ Indiv. bagged with gaskets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

* UL Recognized Component

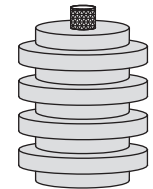
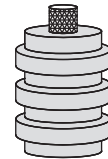
CLASSIC



STACKED SEGMENT ELEMENTS



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



W/P No. **F15-36, -48**

W/P No. **F35-12, -24**

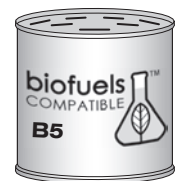
| W/P No. | Reference No. | Description | Fits | QTY PKG |
|---------|---------------|--|---|---------|
| F15-36* | A025 | CLASSIC FELT™ Indiv. boxed with gaskets | General 1A-25A; Unifilter 77; Westwood F10, F12, F15, F20, F25; Sid Harvey (Mitco) 264, 264F | 36 |
| F15-48* | A025B | CLASSIC FELT™ Indiv.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

* UL Recognized Component

COMMERCIAL ELEMENT™ for General Filters 2A-300

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

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

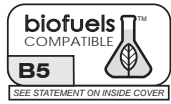


W/P No. **F75-12**

Individual FILTER GASKETS on page F10

Please order by No.

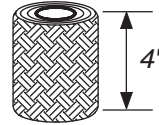
CLASSIC **YARN**™ WOUND ELEMENTS



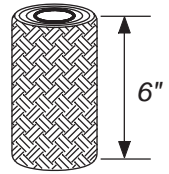
- ▶ Premium quality tightly wound yarn
- ▶ Economical time proven design
- ▶ Popular elements UL Recognized

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

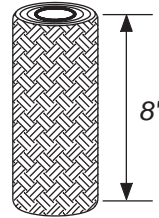
* UL Recognized Component



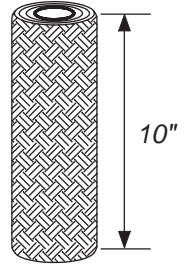
W/P No. **F84** (SERIES)
for Fulflo FB4;
Westwood F80, F84



W/P No. **F85** (SERIES)
for Fulflo FB6

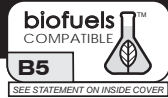


W/P No. **F86** (SERIES)
for Fulflo FB8



W/P No. **F87** (SERIES)
for Fulflo FB10

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 |
|---------|---------------|--|----------------------|--------------------------|-------------|
| 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 | | 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 |

F10



USE ONLY
UL RECOGNIZED
 replacement canisters

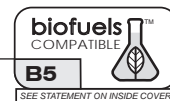
Another industry first! Westwood's new line of replacement canisters are UL Recognized for use on General 1A-25A, 2A-700A; Unifilter 77, Unifilter 99; Sid Harvey (Mitco) 264, 264F, 265, 265F; and Fulflo FB4.


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; Sid Harvey (Mitco) 265, 265F |
| F80-5 F84-5 | Pure-Oil™ BIG GUY™ CLASSIC YARN™ | FULFLO FB4; Westwood F80, F84 |

* All kits contain UL Recognized Component canisters and elements

Please order by  No.

rev. 9-1-13

F11

Westwood
STANDARD GAUGE GLASS



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

| STANDARD | | | | | | | |
|--------------------|-----------------------|------------------------|---|--------------------|-----------------------|------------------------|---|
| Length (inches) | No. | | Max. PSI Water-Steam (see note 1.) | Length (inches) | No. | | 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 |

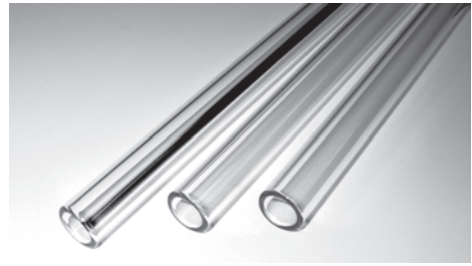


Take a look ...

GAUGE GLASS CUTTERS on page T16

Westwood

**HIGH PRESSURE AND
RED LINE GAUGE GLASS**



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

OUTSIDE DIAMETER (O.D.) SIZES



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) | W/P No. | | Max. PSI Water-Steam (see note 1.) | W/P No. | | Max. PSI Water-Steam (see note 1.) | W/P 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

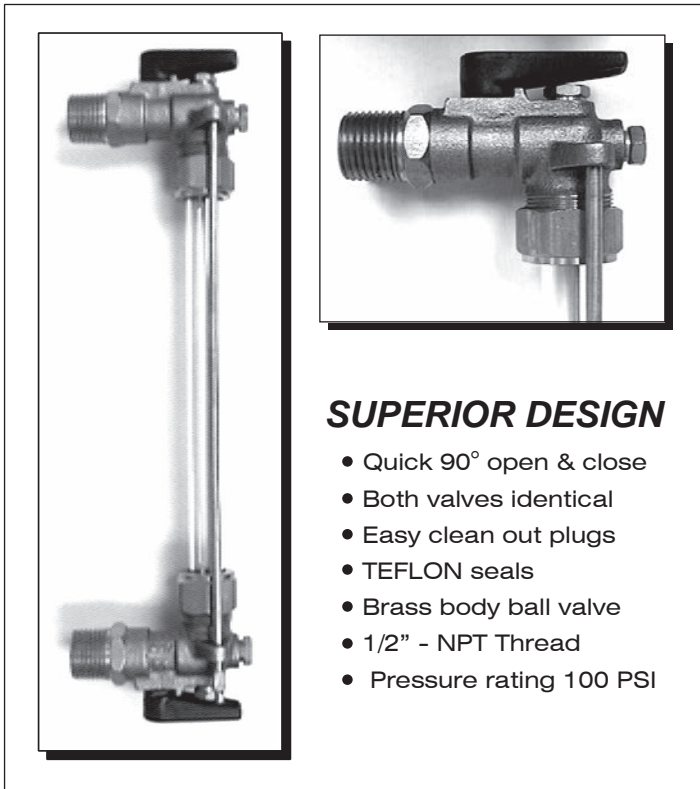
| I.D. x O.D. x Thickness | W/P No. | Ref. No. | W/P No. | Ref. No. | W/P No. | Ref. No. |
|-------------------------|------------|------------|------------|----------|-------------|----------|
| | Pkg. of 12 | | Pkg. of 50 | | Pkg. of 100 | |
| 5/8" x 7/8" x 9/32" | H6-50 | #3 GASKET | H6-52 | - | H6-54 | - |
| 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

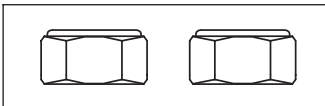
Please order by No.



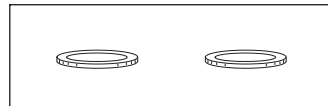
SUPERIOR DESIGN

- 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

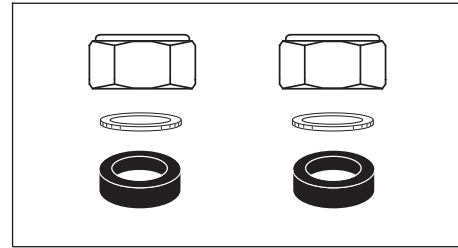
No. H7, -12



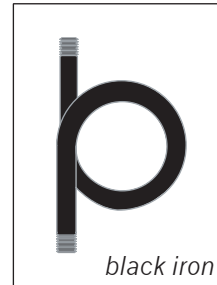
No. H7-15, -20



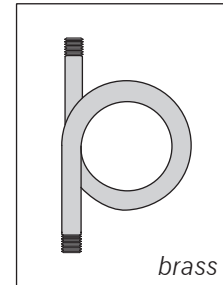
No. H7-21



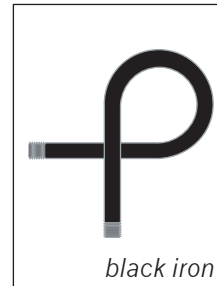
No. H7-17, -23



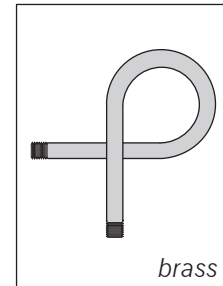
No. H7-50



No. H7-52



No. H7-55

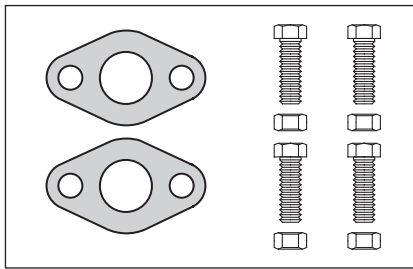


No. H7-57

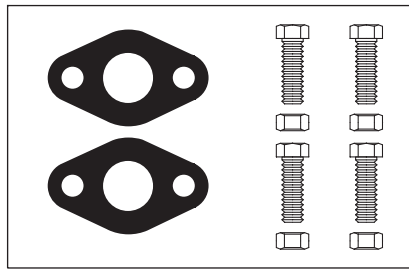
STEAM BOILER PARTS

| 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 |

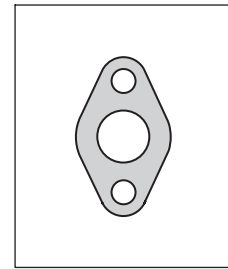
Westwood CIRCULATOR & FEEDER PARTS



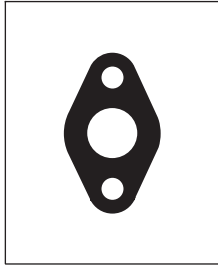
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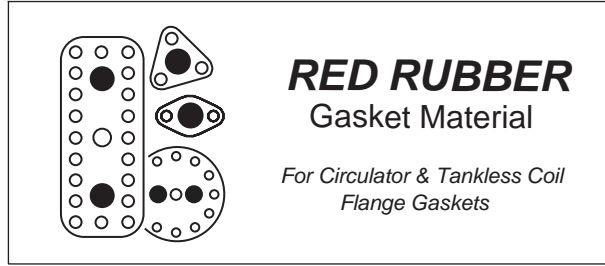
No. H10-1



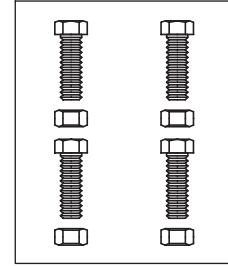
No. H15, -1



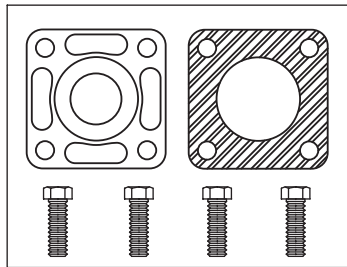
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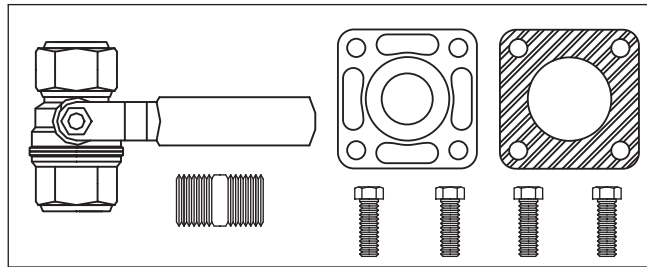
No. H21, -1



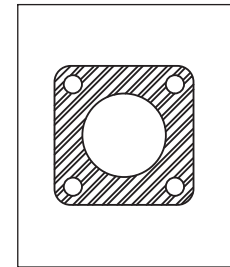
No. H22, -1



No. H23



No. H23-1




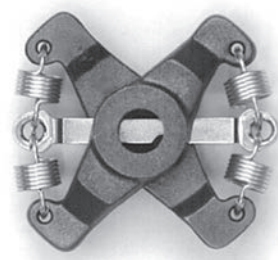


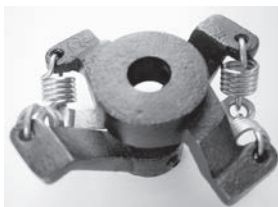
No. H23-4, -6

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 |

Please order by No.

Westwood COUPLINGS FOR B & G CIRCULATORS


| W/P 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 (PZ-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)




The Single Spring Alternative!

Spiralink™ Coupling Cross Reference Chart





 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

|  No. | Spiralink 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 | | | | | |
| | | 2" | S-35 | | | | | | |
| | | 2-1/2" LD3 | S-45 | 1/4 | | | 118723 | 806168 | |
| | | HV1" | | | | | 118705 or 189110 | 806026 | |
| HV1-1/4" HV1-1/2" | H-32 | 1/6 | | | | | | | |
| 1" PR | H-41 | | | | | | | | |
| H24-31 | 10010HD | HD3 | S-46 | 1/3 | | | | | |
| H24-32* | 10023 | PD-35 | S-55 | 1/2 | CCW | 1/2 x 1/2 or 1/2 x 5/8 | 118473 or 118708 or 09 | 807436 or 806137 | |
| | | PD-37 | S-57 | 3/4 | | | | | |
| H24-34* | 10034 | PD-38 | S-60 | 1 | CCW | 1/2 x 5/8 or 5/8 x 5/8 | 118476 or P77271 | 812734 or 816665 | |
| | | PD-39 | | | | | | | |
| H24-32* | 10023 | OLD NEW | | | | | | | |
| | | 60-1 | 60-11 | H-51 | 1/4 | CCW | 1/2 x 1/2 or 1/2 x 5/8 | 118473 or 118709 or P77234 | 807436 or 806137 |
| | | 60-2 | | H-52 | 1/3 | | | | |
| | | 60-3 | 60-13 | H-53 | 1/2 | | | | |
| | | 60-4 | 60-14 | H-54 | 3/4 | | | | |
| 60-5 | 60-15 | H-63 | 1/2 | | | | | | |
| H24-34* | 10034 | 60-6 | 60-16 | H-64 | 3/4 | 1/2 x 5/8 or 5/8 x 5/8 | 186410 or P77237 | 812734 | |
| | | 60-8 | | H-66 | | | | | |
| | | | 60-17 | H-65 | 1 | | | | |
| | | | 60-19 | H-67 | | | | | |
| H24-32* | 10023 | Series 1522 1S & 1T thru 17S & 17T | | | | 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!

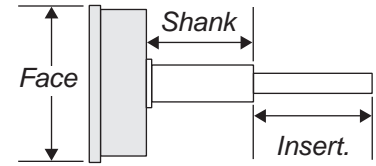
GUARANTEE

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

Please order by  No.

HYDRONIC GAUGES

Tridicator, Steam, Combination, Altitude, Temperature



Dimensions and range specifications may vary slightly from those shown

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

¹ Steel immersion well

² Brass immersion well

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

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

⁵ Surface mount (retaining spring for mounting included)

CBM = Center back mount

LBM = Low back mount

LM = Low mount (bottom)

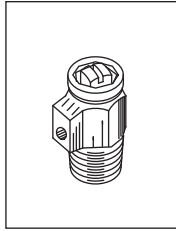


MORE GAUGES in Service Supplies Section starting on page S10

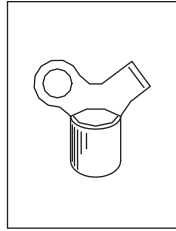
H7

Please order by No.

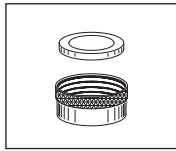
MISC. PARTS & IMMERSION WELLS



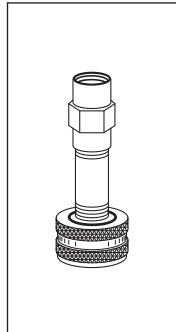
No. H30



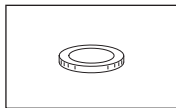
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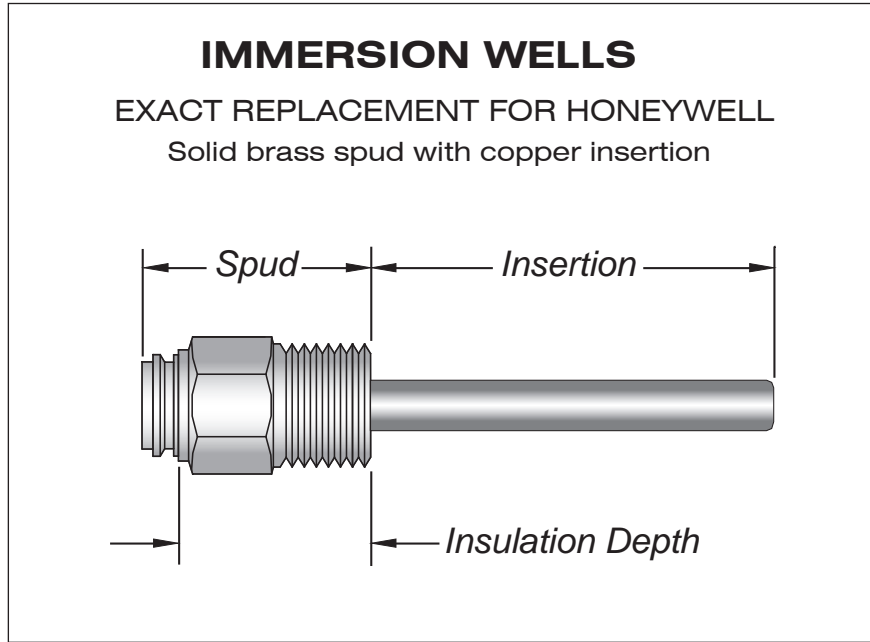
No. H31



No. H35



No. H31-1



No. H50 (Series)

RADIATOR VENT & KEY, HOSE CAP, HOSE ADAPTOR

| 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

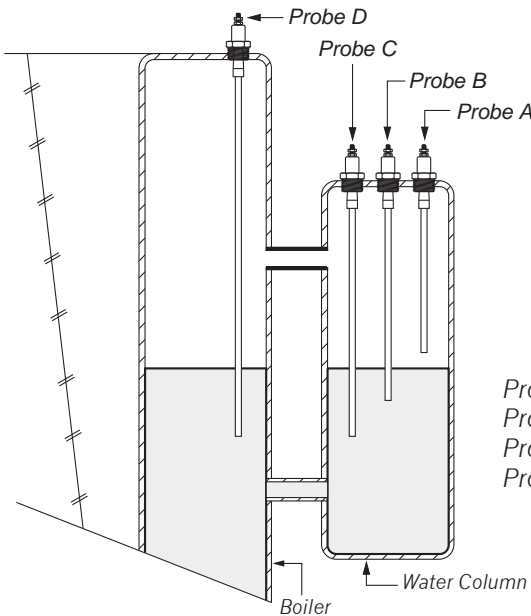
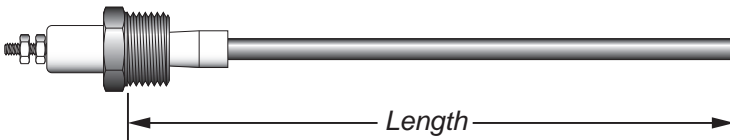
| No. | Replaces Honeywell | Pipe Size (Male NPT) | Insertion Diameter | Insertion Length | Insulation Depth (ins.) | Comments |
|-------|--------------------|----------------------|--------------------|------------------|-------------------------|---|
| H50 | 121371A 123869A | 1/2" | 3/8" | 3" | 1-1/2" | 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 |

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" |



MORE LIQUID LEVEL PROBES on pages E25 - E27

BRAZED PLATE HEAT EXCHANGERS

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


Westwood

TRANS * TEMP™

- ▶ 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 ¹ | |
| | 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 ² | 180°F | 140°F | 100°F | 130°F |

¹Output side pressure drop ≈ 2 psi

²40% 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

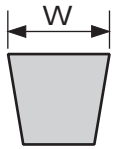
OIL & HEAT RESISTANT


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


| | | | |
|---|-----------|-----------|-----------|
| | 3L | 4L | 5L |
| W | 3/8" | 1/2" | 21/32" |



| Outside Length (inches) |  No. | | |
|-------------------------|---|-----------|-----------|
| | 3L | 4L | 5L |
| 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. | | |
|-------------------------|---|-----------|-----------|
| | 3L | 4L | 5L |
| 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 |




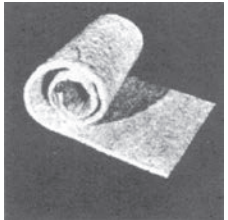
SPECIAL FOR LENNOX BURNER

|  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



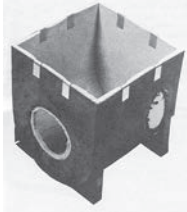
WET COMBUSTION CHAMBER LINERS - Sealed in a plastic bag and individually boxed*

|  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 | Westwood Round - Preshaped | .50 - .75 | 9" diameter, 12" high |  |
| | | | | .85 - 1.00 | 10" diameter, 12" high | |
| | | | | 1.10 - 1.25 | 11" diameter, 12" high | |
| | | | | 1.35 - 1.50 | 12" diameter, 12" high | |
| | | | | 1.65 - 1.85 | 13" diameter, 14" high | |
| | | | | 2.00 - 2.50 | 15" diameter, 14" high | |
| S70-25 S70-27 | #135 #200 | Wet | Westwood Rect. - Preshaped | .75 - 1.35 | 14" x 11" x 12" |  |
| | | | | 1.35 - 2.00 | 14" x 12" x 12" | |
| S70-30 S70-35 S70-40 S70-45 | #1 #2 #3 #4 | Wet | Westwood Flat sheet(s) | 1.25 | (1) - 14" x 48" |  |
| | | | | 2.50 | (1) - 14" x 48" (1) - 16" x 16" | |
| | | | | 2.65 | (1) - 16" x 48" (1) - 16" x 16" | |
| | | | | 1.25 | (1) - 16" x 48" | |

*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

|  No. | Ref. No. | Type | | GPH | Description and Representative Picture | |
|---|-----------------------|------|---|------------|---|---|
| S70-50 S70-51 S70-53 | 141608 141612 - | Dry | Cerafelt blanket | - | 1/4" x 16" x 8 ft. |  |
| | | | | - | 1/4" x 16" x 12 ft. | |
| | | | | - | 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.

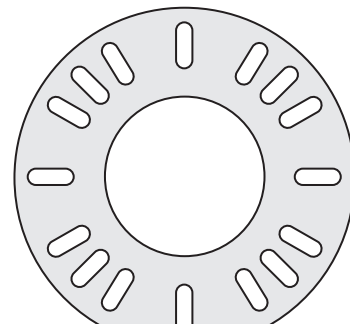
**NON-ASBESTOS HIGH TEMPERATURE ROPE**

|  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




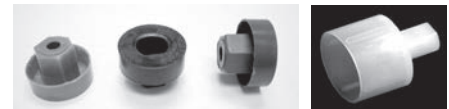
Cut

Assemble

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

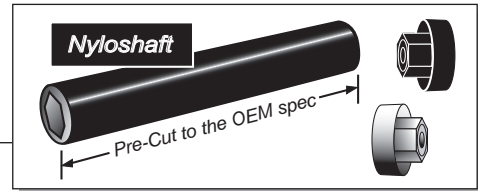
Nylo-Flex™ COMPONENTS


|  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



Nylo-Flex™ COUPLING KITS on page S6

Please order by  No.

Westwood

Nylo-Flex™ BURNER COUPLINGS

THE WIDEST SELECTION TO MEET ALL SERVICING NEEDS

COUPLING KITS



No. S85-500



No. S85-525



No. S85-510



No. S85-550



No. S85-560

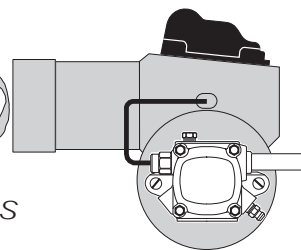
Nylo-Flex™ COUPLING KITS


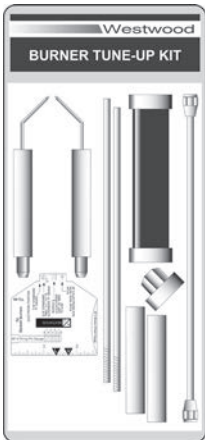

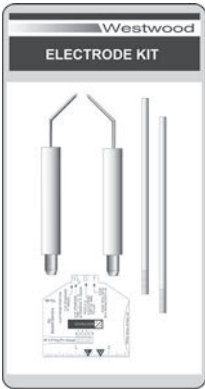
| No. | Ref. No. | Quantity of End Pieces | | | Nyloshaft Quantity & Length | S85-130 Torrington Adapter | T100-300 Coupler Popper™ | T100-310 Coupling Cutter | Molded Plastic Box |
|---------|----------|------------------------|-------|-------|-----------------------------------|----------------------------------|--------------------------------|--------------------------------|--------------------------|
| | | 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 | - | - |

Westwood


BURNER TUNE-UP KITS

A REAL TIME SAVER FOR THE MOST POPULAR BURNERS

**TUNE-UP & ELECTRODE KITS**

|  No. | Ref. No. | Description |
|--|----------|--|
|  No. S88-10 | BK5780 | TUNE-UP KIT for Beckett AF, AFG, AR, SF, SR (up to 9" air tube) |
| | | 2 - Electrode assemblies 1 - 12" oil line assembly 1 - Pump coupling kit S85-500 |
| S88-12 | NBK5780 | TUNE-UP KIT for Beckett AF, AFG, AR, SF, SR (up to 9" air tube) |
| | | 2 - Electrode assemblies 1 - 12" oil line assembly 1 - Pump coupling kit S85-500 2 - Extension rods with nuts |
| S88-14 | BK5782 | TUNE-UP KIT for Beckett AF, AFG, AR, SF, SR (over 9" air tube) |
| | | 2 - Electrode assemblies 1 - 12" oil line assembly 2 - E5-2M4 insulators 1 - Pump coupling kit S85-500 |
|  No. S88-14 | NBK5782 | TUNE-UP KIT for Beckett AF, AFG, AR, SF, SR (over 9" air tube) |
| | | 2 - Electrode assemblies 1 - 12" oil line assembly 2 - E5-2M4 insulators 1 - Pump coupling kit S85-500 |
| S88-20 | W5780 | ELECTRODE KIT for Beckett AF, AFG, SF, SR (up to 9" air tube) |
| | | 2 - Electrode assemblies 2 - Extension rods with nuts |
| S88-22 | W5781 | ELECTRODE KIT for Beckett A and S (up to 9" air tube) |
| | | 2 - Electrode assemblies 2 - Extension rods with nuts |
| S88-24 | W5782 | ELECTRODE KIT for Beckett AF, AFG, SF, SR (over 9" air tube) |
| | | 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Insulators |
| S88-26 | W5783 | ELECTRODE KIT for Beckett AQ and S (over 9" air tube) |
| | | 2 - Electrode assemblies 2 - Extension rods with nuts |
|  No. S88-20 | W5940 | ELECTRODE KIT for Beckett MB and MD (up to 9" air tube) |
| | | 2 - Electrode assemblies 2 - Extension rods with nuts |

Packaging may vary from that shown

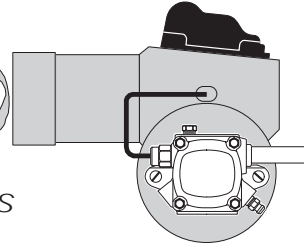
Please order by  No.

rev. 9-1-13

S7

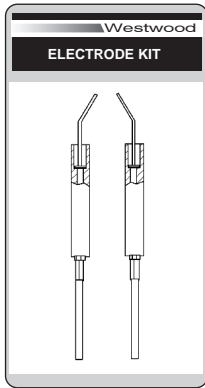
Westwood

BURNER TUNE-UP KITS

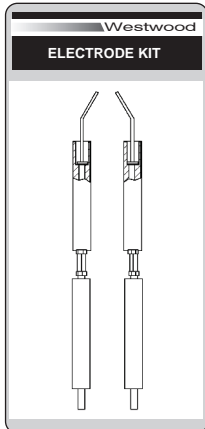


A REAL TIME SAVER FOR THE MOST POPULAR BURNERS

TUNE-UP & ELECTRODE KITS (Continued)



Westwood No. S88-36



Westwood No. S88-38



Westwood No. S88-74

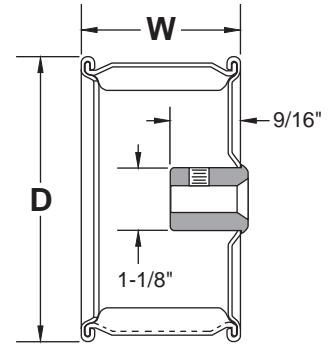
| Westwood No. | Ref. No. | Description |
|--------------|----------|--|
| S88-32 | 51484U | ELECTRODE KIT for Beckett AF II, HLX (up to 9" air tube) |
| | | 2 - Electrode assemblies 2 - Extension rods with nuts |
| S88-34 | 51670U | ELECTRODE KIT for Beckett AF II, FBX (up to 9" air tube) |
| | | 2 - Electrode assemblies 2 - Extension rods with nuts |
| S88-36 | BK-1 | ELECTRODE KIT for Beckett AF, AFG, AR, SF, SR (up to 9" air tube) |
| | | 2 - Beckett 1510 electrodes 2 - 3/16" x 6" buss bar rods |
| S88-38 | BK-2 | ELECTRODE KIT for Beckett AF, AFG, AR, SF, SR (all size air tube) |
| | | 2 - Beckett 1510 electrodes 2 - 3/16" x 13" buss bar rods 2 - E5-2M4 insulators |
| S88-50 | CK 780 | TUNE-UP KIT for Carlin 98 - 102, Elite, 201CRD, 301CRD |
| | | 2 - Electrode assemblies 1 - 12" oil line assembly 1 - Red tip setting gauge |
| S88-60 | WMK-100 | TUNE-UP KIT for Weil McLain burner |
| | | 1 - One piece electrode assembly 2 - Ignition cable leads |
| S88-70 | 31156 | TUNE-UP KIT for Wayne ER, ERA, EH, EHA, EHASR, M, MSR, MH, OE, OEA |
| | | 2 - Electrode stems 2 - Electrode assemblies w/insul. 2 - Insulator bushings 2 - Buss bars (8") 1 - Buss bar support |
| S88-72 | 31156W | TUNE-UP KIT for Wayne ER, ERA, EH, EHA, EHASR, M, MSR, MH, OE, OEA |
| | | Same components as S88-70, manufactured by Westwood |
| S88-74 | 31157 | TUNE-UP KIT for Wayne Blue Angel model HS |
| | | 2 - Electrode assemblies w/buss bars 1 - Electrode support 1 - Buss bar support 1 - Oil line assembly |
| S88-76 | 31157W | TUNE-UP KIT for Wayne Blue Angel model HS |
| | | Same components as S88-74, manufactured by Westwood |

Packaging may vary from that shown





Westwood
BLOWER WHEELS

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. | | | | |
| STANDARD | | | | | | | |
| 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" | |
| SPECIAL | | | | | | | |
| 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

LOW PRESSURE DIAPHRAGM GAUGES

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




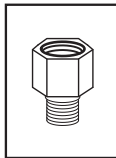
COMPOUND GAUGES

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




GAUGE ADAPTER

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




VACUUM GAUGES

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



TEST GAUGES

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

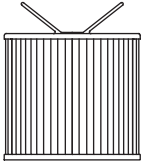
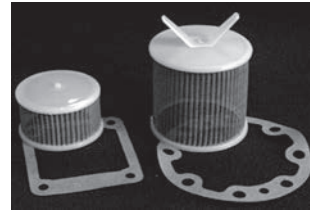
CBM = Center back mount
LM = Low mount
LBM = Low back mount




PRESSURE & VACUUM TESTERS starting on page T1

Please order by  No.

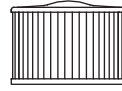
Westwood
OIL BURNER PUMP STRAINERS & GASKETS
 STAINLESS STEEL MESH • NYLON ENDS • SONICALLY WELDED



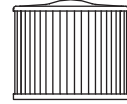
 No. **S150 (Series)**
 Suntec J, H, S




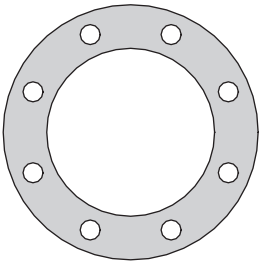
 No. **S160 (Series)**
 Suntec A70




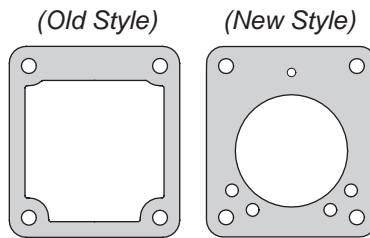
 No. **S170 (Series)**
 Suntec B80, 1-3/8"




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



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



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



 No. **S195**
 Riello




 No. **S197**
 Danfoss

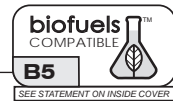


 No. **S195-5**
 Riello






 No. **S197-5**
 Danfoss

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

 No. **S211, -1**

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

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

NOZZLE LINES




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

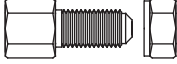
MILLER FURNACE OIL LINE KIT

- 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!

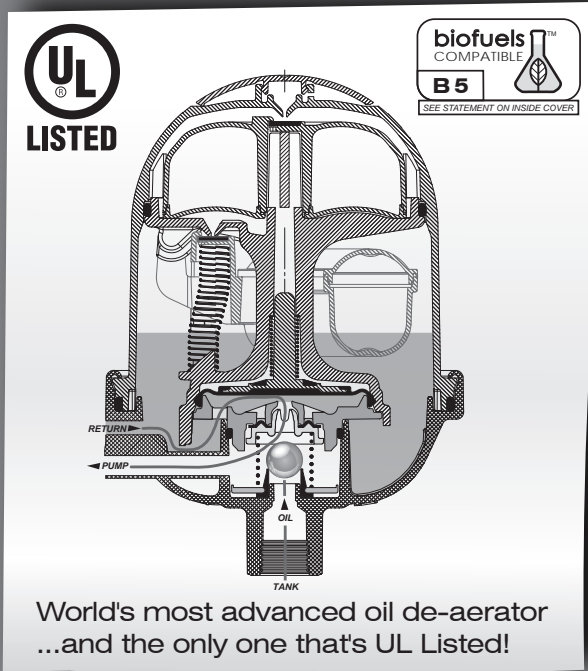
 No. **S216**

BY-PASS PLUGS, OIL LINES & FITTINGS, MAGIC-PATCH

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

Please order by  No.

The Tigerloop[®] Oil De-aerator



The Tigerloop[®] Oil De-aerator

The Tigerloop[®] 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[®] works, and how it can improve the efficiency and extend the life of your oil heating systems.

The Tigerloop[®] combines the benefits of a single pipe system with a two pipe system. With a Tigerloop[®] 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[®], 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[®] 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[®] 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[®] 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.

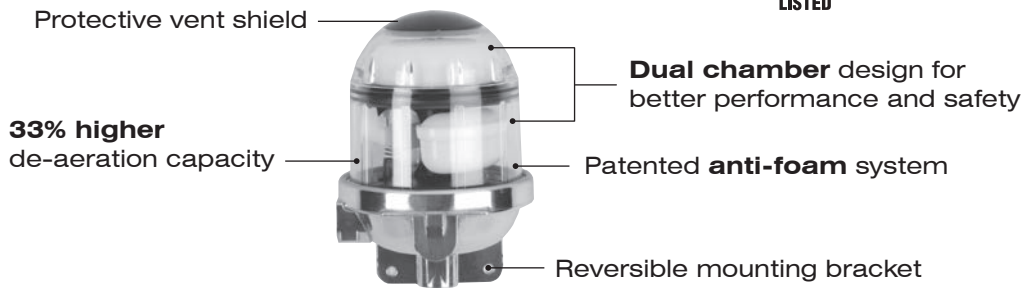
The Tigerloop[®] takes the good things of a 2 pipe system and improves them. With a 2 pipe system, all of the air and oil in the line flows through the pump, flows by (or out) the nozzle and then gets returned all the way back to the tank. The Tigerloop[®] improves upon this by deaerating the return 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[®] 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[®] 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[®] will reduce lockouts, flameouts, and sputters. This will give you the efficiency benefits mentioned above.

Now a quick explanation of how the Tigerloop[®] 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[®] to be de-aerated. As oil rises in the Tigerloop[®], air escapes from the top vent until a float lifts and seals the vent. When the vent seals, the Tigerloop[®] 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[®], the float drops, the vent opens and the air is removed. The float rises again sealing the Tigerloop[®].

You can see that having a Tigerloop[®] is better than either a single pipe system or a 2 pipe system, and if the Tigerloop[®] 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!

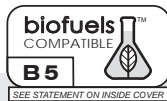
After years of development, the next generation Tigerloop® oil de-aerator has arrived! With over 30 years experience and more than 3.5 million Tigerloops® installed worldwide, Tigerholm is uniquely qualified to take oil de-aeration to the next level.

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®...

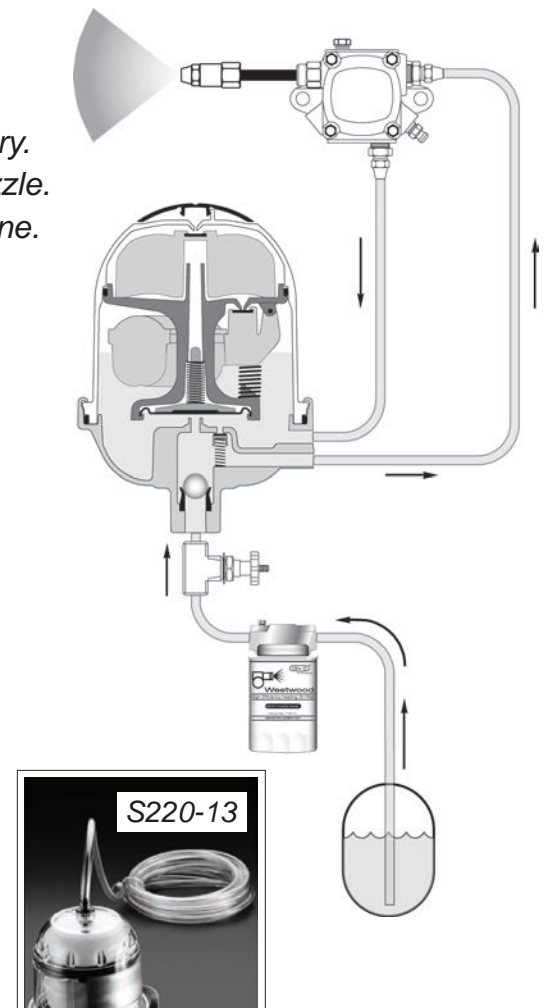
- Safely Handles suction line air leaks.*
- Removes air entrained in oil during transporting and delivery.*
- Reduces running vacuum for clear, foam-free oil at the nozzle.*
- Eliminates potential leak hazard by eliminating the return line.*
- Preheats the oil for cleaner combustion.*
- Extends filter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



Technical Information

MAX. NOZZLE CAPACITY 20 GPH
 MAX. RETURN OIL FLOW 30 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* | Tigerloop® 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 | Tigerloop® Installation Bundle, oil de-aerator, model TN, UL Listed, w/ <i>Firomatic</i> fusible valve, plus two 36" flexible oil lines. |
| S220-13 | Tigerloop® vent hose kit to re-route vapors. |

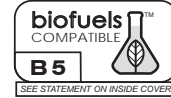


The New

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 20 GPH
 MAX. RETURN OIL FLOW 30 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 | Tigerloop® ULTRA™ oil de-aerator & Spin-On filter, UL Listed, includes Fiomatic fusible safety valve. |
| S220-12 | Tigerloop® ULTRA™ Installation Bundle , oil de-aerator, Spin-On filter, UL Listed, w/Fiomatic valve, plus two 36" flexible oil lines. |
| S220-13 | Tigerloop® vent hose kit to re-route vapors. |
| 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

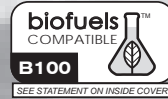
MAX. NOZZLE CAPACITY 20 GPH
 MAX. RETURN OIL FLOW 30 GPH
 TEMPERATURE RANGE 20° - 105° F
 MAX. INLET PRESSURE 8 PSI
 CONNECTIONS 1/4" - NPT (female)
 FUEL biofuels up to **B100** BioHeat[®], No. 1 & 2 OIL
Not for use with E-diesel or any fuel containing Ethanol (alcohol)

|  No. | Description |
|---|---|
| S220-1 | Tigerloop [®] Bio [™] 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 20 GPH
 MAX. RETURN OIL FLOW 30 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)

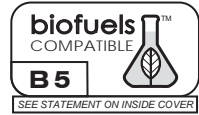


|  No. | Description |
|---|--|
| S220-9 | Tigerloop [®] ULTRA [™] - B oil de-aerator & filter |

Tigerloop®


Combi™

A European Favorite



The **Tigerloop® Combi™** was developed for the low firing rate burners of Europe. It features a clear plastic bowl which houses a high efficiency sintered plastic filter element. The forerunner of the **Tigerloop® ULTRA™**.

Tigerloop® Combi™ OIL DE-AERATOR & FILTER

|  No. | Description |
|---|--|
| S220-4 | Tigerloop® Combi™ oil de-aerator & filter |
| S220-6 | Replacement sintered plastic filter element for 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

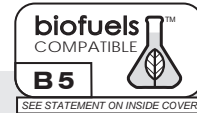
Tigerloop®

Twin™



**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 40 GPH
 MAX. RETURN OIL FLOW 60 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 | Tigerloop® Twin™ oil de-aerator & commercial duty Spin-On filter |
| F100-11 | Replacement Spin-On element, standard thread, see page F4 |

GENUINE

Tigerloop[®]

For use as oil burner pump suction and return lines (not for nozzle line)


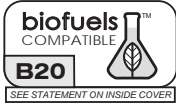
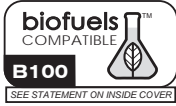
FLEXIBLE OIL LINES



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[®] B20 or B100

FLEXIBLE OIL LINES, Standard

|  No. | Description | BioFuels Rating |
|---|---|---|
| S220-24 | Flexible oil line, braided steel covering, 1/4"- NPT (MxM), 24" long |  |
| 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 |  |
| S223-36 | BioFuels Flexible oil line, braided steel covering, 1/4"- NPT (MxM), 36" long | |



New!

FLEXIBLE OIL LINES
SPECIAL FOR RIELLO


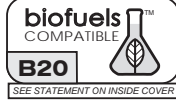
Color coded Red & Blue for easy identification

European thread connects to **RIELLO** pump adaptor

Easy 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 |  |
| 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 . . .

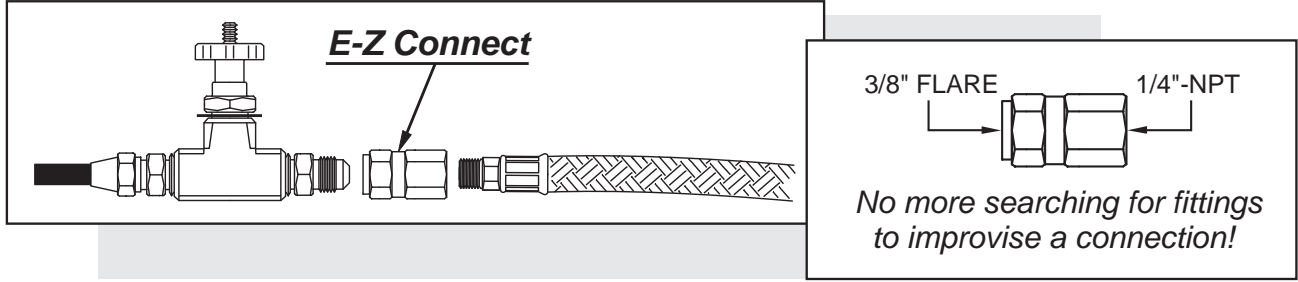
For testing RIELLO pumps see page T2 & T3

Please order by  No.

rev. 3-1-11

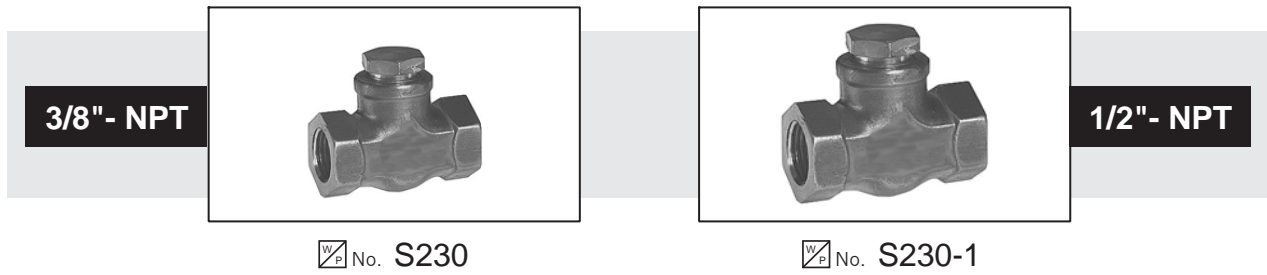
E-Z Connect ADAPTOR FITTING

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



No. S220-50

CHECK VALVES



No. S230

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

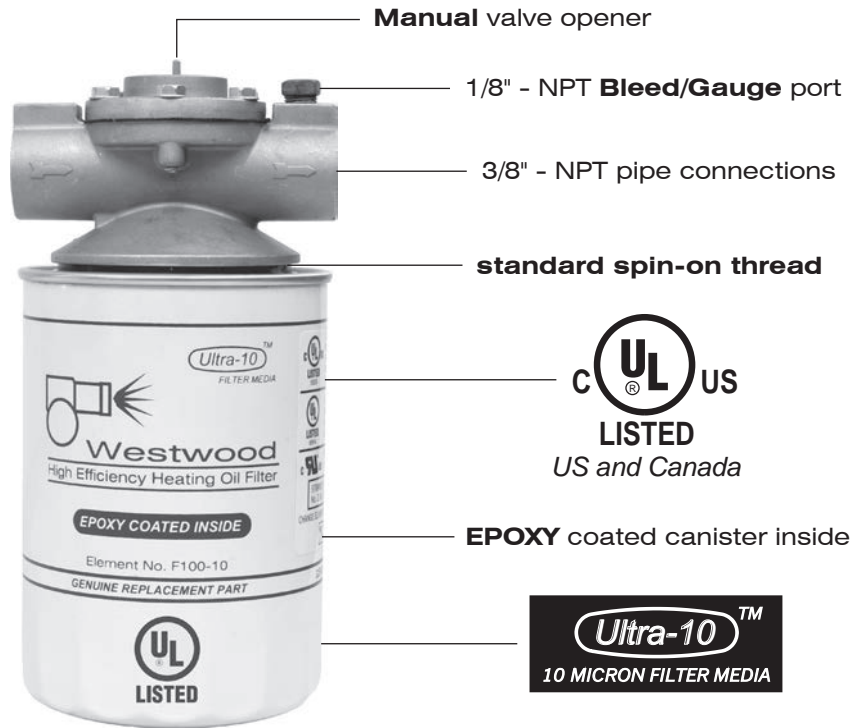
MAXIMUM FLOW
 at 0.58 PSI pressure loss 52.8 GPH
 MAX TEMPERATURE 104° F
 MAX. INLET PRESSURE 87 PSI
 FUEL . biofuels to B20, No.1 & 2 Heating Oil
 CONNECTIONS 3/8"- NPT
 Height adjustable to 13 ft

Westwood



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

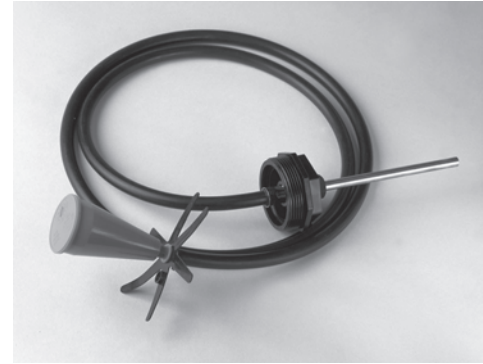
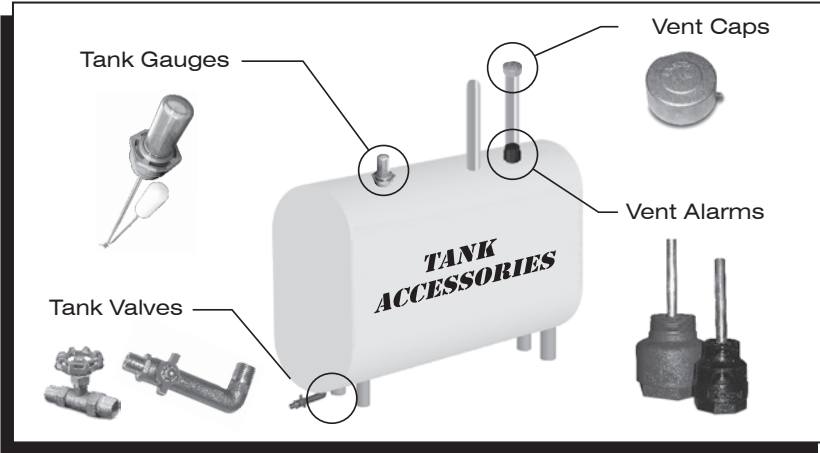
| | |
|--|---|
| CONNECTIONS 3/8"-NPT | MAXIMUM FIRING RATE 17 GPH |
| INLET PRESSURE 40 PSI MAX | REPLACEMENT ELEMENT F100-10 |
| TEMPERATURE RANGE 0 - 160° F | ELEMENT MEDIA 10 Micron |
| FUEL No. 2 OIL OR LIGHTER | ELEMENT CANISTER EPOXY INSIDE |
| MAXIMUM FLOW 45 GPH | APPROVAL UL LISTED |

Westwood OIL SAFETY VALVE & SPIN-ON FILTER



|  No. | Description |
|---|--|
| S226 | Westwood oil safety valve and Spin-On filter, UL Listed |
| F100-10 | Replacement Spin-On element, standard thread, see page F4 |

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® 50 Draft Stabilizer

Stainless steel design fights soot, moisture, and corrosive chemicals. Gas tight 1100°C superwool seal ensures no leakage of exhaust fumes, 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!



Tigex® 50
Draft Stabilizer




Adapter for round flue pipe

| Finish Color | | Description |
|--------------|----------|--------------------------------|
| Stainless | Black | |
| S280 | S280-2 | Tigex® 50 Draft Stabilizer |
| S280-130 | S280-132 | Adapter for 5" round flue pipe |
| S280-150 | S280-152 | Adapter for 6" round flue pipe |
| S280-180 | S280-182 | Adapter for 7" round flue pipe |
| S280-200 | S280-202 | Adapter for 8" round flue pipe |

UNIVERSAL DRAFT REGULATOR

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

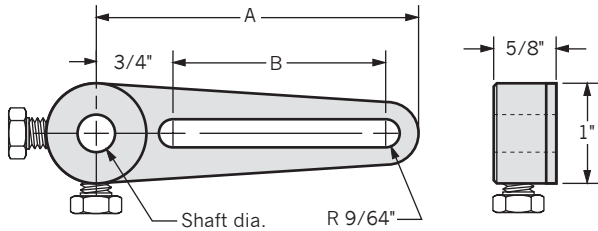
|  No. | Ref. No. | Description |
|---|----------|--|
| S300-300 | #678 | 3 in 1 combination draft regulator, fits 6", 7", 8" smoke pipe |



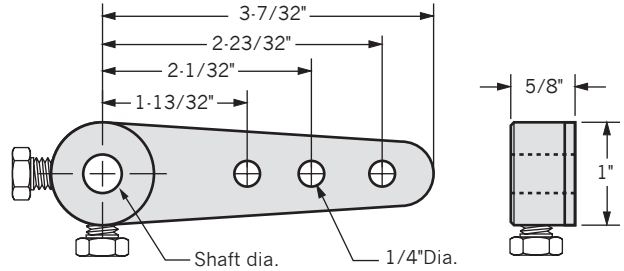
Westwood

CRANK ARMS - SWIVELS - PUSH RODS

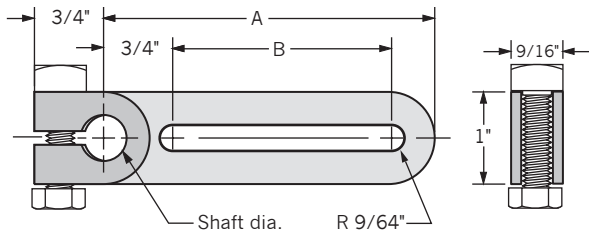
PRECISION MACHINED • HEAVY DUTY • PLATED STEEL



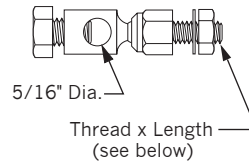
Slotted Crank Arm



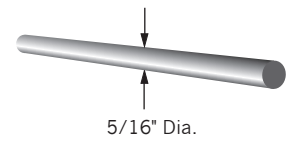
3 Hole Crank Arm




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 & 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.

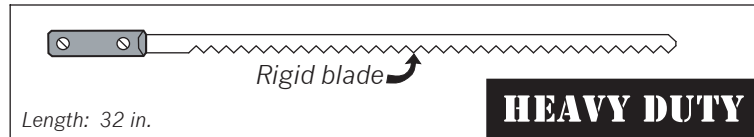
BOILER & FURNACE CLEANING ITEMS

"SERVICE-SAW" BOILER SCALE BUSTING TOOL

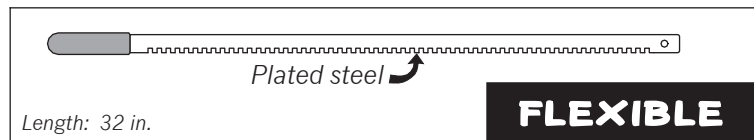


No. S400

"SOOT SABER" BOILER CLEANING TOOLS

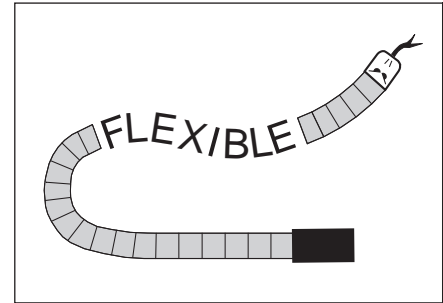


No. S402



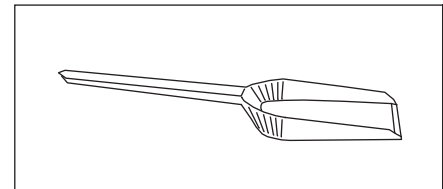
No. S405

"SOOT SNAKE" VAC HOSE



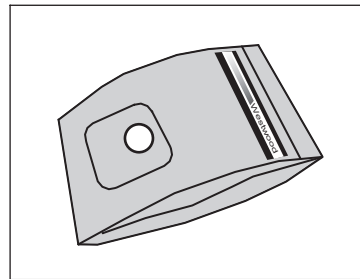
No. S410

SOOT SHOVEL

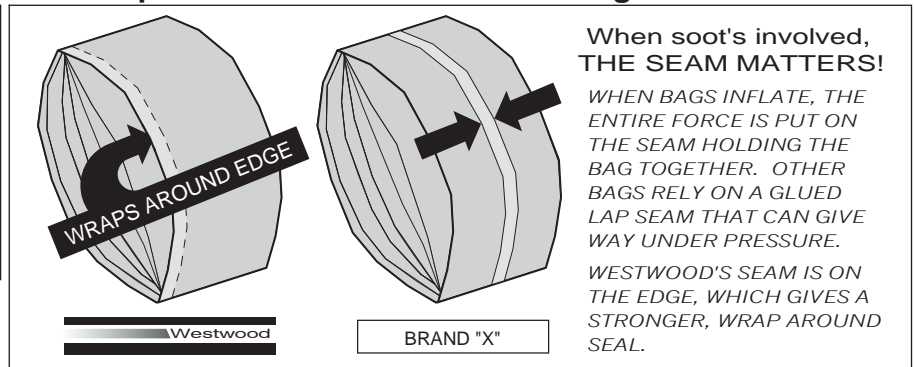


No. S412

VACUUM CLEANER BAGS - Wrap around seam sealed for strength















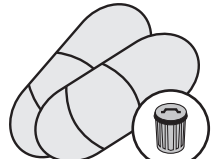
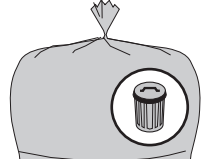
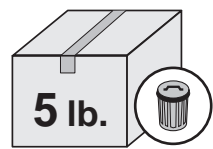
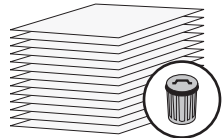
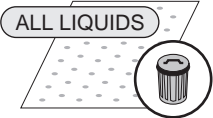

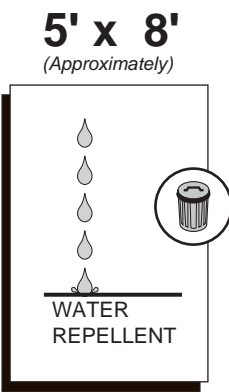
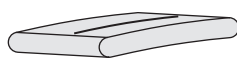
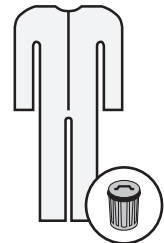
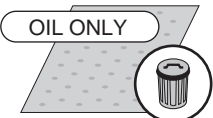

No. S450-14, -15



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 | MASKS | GLASSES | |
|---|---|--|--|--|
|  <p>No. S500 PAIR <i>Brown jersey gloves man's hand size</i></p> |  <p>No. S500-4 BOX OF 100 <i>Disposable oil resistant nitrile gloves, LARGE</i></p> |  <p>No. S500-10 EACH <i>Disposable dust mask, elastic strap, not rated</i></p> |  <p>No. S500-14 EACH <i>Adjustable Plastic safety glasses, clear lenses</i></p> | |
|  <p>No. S500-2 PAIR <i>White cotton gloves man's hand size</i></p> |  <p>No. S500-8* PAIR <i>Reusable heavy duty oil resistant nitrile gloves, man's hand size</i></p> |  <p>No. S500-12 EACH <i>Disposable dust mask, elastic strap, N95 rated</i></p> |  <p>No. S500-16 EACH <i>Adjustable Plastic safety glasses, smoked lenses</i></p> | |
| GOGGLES | SHOE COVERS | BAGS | RAGS | WIPES |
|  <p>No. S500-18* EACH <i>Plastic splash goggles, elastic strap</i></p> |  <p>No. S500-20 PAIR <i>Disposable non-woven fabric slip-on shoe covers</i></p> |  <p>No. S500-22* PACKAGE OF 20 <i>7 bu. plastic (3 mil.) contractor disposal bags</i></p> |  <p>No. S500-24 5 lb. BOX <i>Rags (polo shirt material) mixed colors</i></p> |  <p>No. S500-26 PACKAGE OF 100 <i>Flat paper wipes, 13" x 13"</i></p> |
| PADS | SOCKS | DROP CLOTH | SPILL KIT | COVERALLS |
|  <p>No. S500-28* PACKAGE OF 100 <i>Absorbent pads 17" x 18" x 1/8" thick</i></p> |  <p>No. S500-32* PACKAGE OF 12 <i>Absorbent socks 3" dia. x 48" long</i></p> |  <p>No. S500-36 EACH <i>Large non-woven fabric drop cloth, water repellent</i></p> |  <p>No. S500-38 EACH <i>Economy Spill Kit in zippered carrying bag</i></p> <p><i>Contains:</i></p> <ul style="list-style-type: none"> 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>No. S500-50 LARGE</p> <p>No. S500-60 X - LARGE</p> <p><i>Disposable, white non-woven fabric</i></p> |
|  <p>No. S500-30* PACKAGE OF 100 <i>Absorbent pads 16-1/2" x 19-1/2" x 3/16" thick</i></p> |  <p>No. S500-34* PACKAGE OF 12 <i>Absorbent socks 3" dia. x 48" long</i></p> | | | |

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

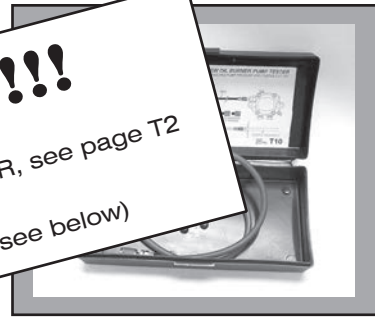
Westwood


"PRESSURE-VIEW" OIL BURNER PUMP TESTER

- ▶ Quick-connect fittings
- ▶ Brass construction
- ▶ Fits popular 3/16" fittings
- ▶ Stainless steel liquid filled gauge
- ▶ 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 |
|---|---|
| T10-3 | Replacement adaptor fittings for T10 tester, 3/16" X 1/4" flare, Pkg. of 2 |
| T10-4 | Replacement rubber quick-connect seats (gaskets) for T10 tester, Pkg. of 12 |
| T10-5 | Replacement hose set (2 color coded hoses) with fittings for T10 tester |
| S100-280 | Replacement Liquid Filled 0-300 PSI Pressure Gauge for T10 tester |

Westwood

"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 |
|---|---|
| T15 | Complete suction line analyzer w/case, adaptor fittings and instructions |
| T15-1 | Replacement adaptor fittings for T15 tester, 1/2" suction line, Pkg. of 2 |
| T15-2 | Replacement clear tubing w/clamps for T15 tester |
| S100-290 | Replacement Liquid Filled 0-30" Hg. Vacuum Gauge for T15 tester |



For testing RIELLO pumps see pages T2 & T3

Please order by  No.

rev. 1-1-09

T1



Westwood

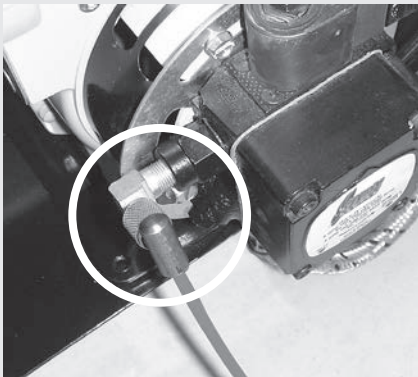
"FITZ - ALL" OIL BURNER PUMP TESTER

The first NEW design in pump testers in over 25 years!

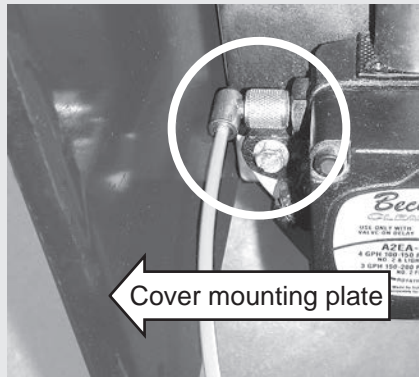
Tests: Standard burners
 Beckett w/cover (Burnham AFG, NX, etc.)
 Riello

- ✓ 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**

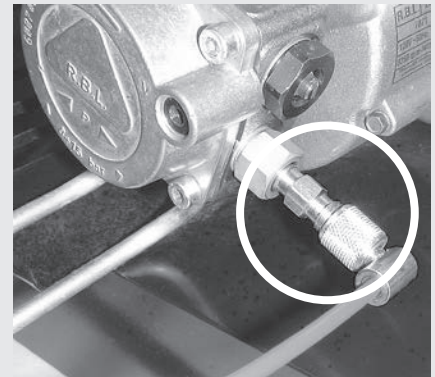
CONNECTS EASILY TO WHAT'S OUT THERE!



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

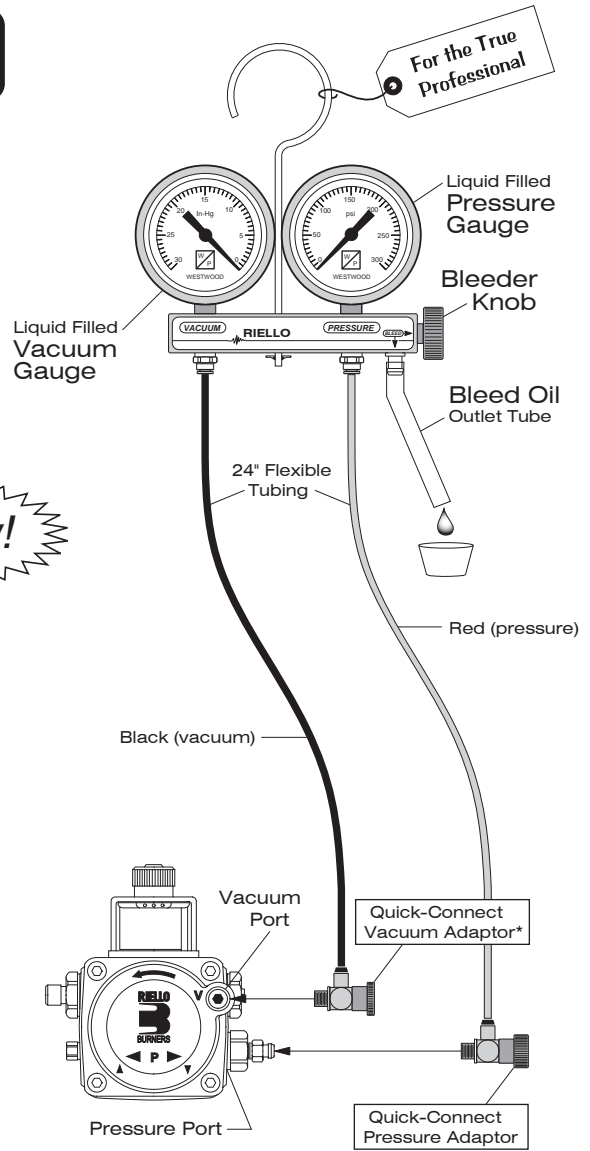
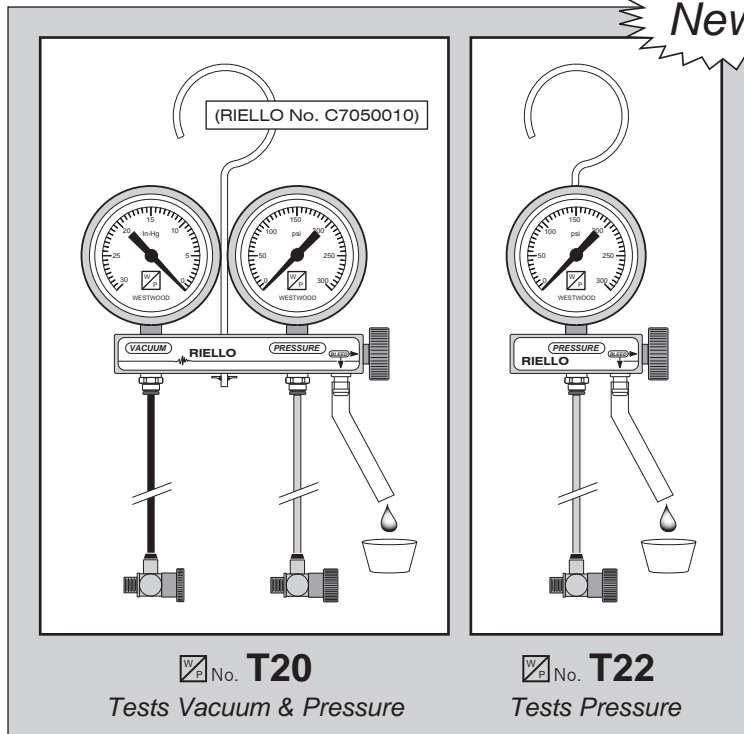
| No. | Description |
|----------|---|
| T11 | Complete oil burner pump tester w/case, adaptors and instructions |
| T11-3 | Replacement adaptors for T11 tester, (2) 3/16" X 1/4" flare, (1) Riello |
| T11-4 | Replacement rubber quick-connect seals (gaskets) for T11 tester, Pkg. of 12 |
| T11-5 | Replacement 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.

| W/P 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 |
| T20-12 | - | Replacement "O" ring for T20 and T22 tester Quick-Connect adaptors, Pkg. of 6 |
| 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 |
| T22 | - | RIELLO pressure tester with case, liquid filled gauge, Quick-Connect adaptor fitting |
| T22-10 | - | Replacement hose (Red) for T22 tester |
| T22-18 | - | Replacement carrying case for T22 tester |
| 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.

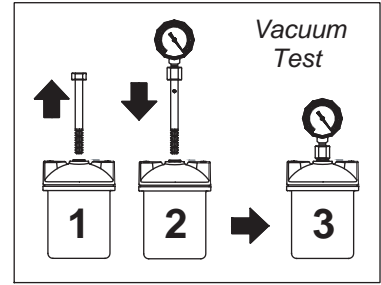
rev. 1-1-09

T3


Westwood

"VAC-PROBE" OIL LINE ACCESS PORT

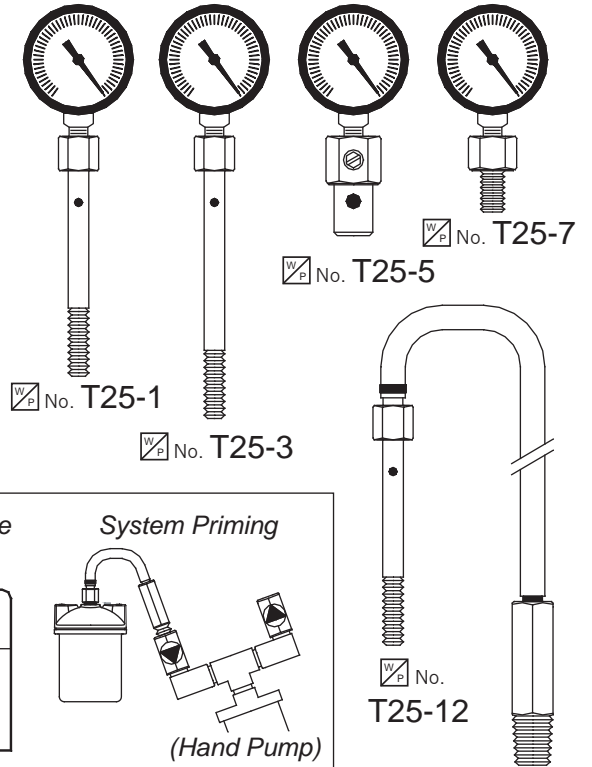
Allows access to oil lines without opening or disconnecting fittings. Installed in place of the center bolt on the line filter it allows not only vacuum tests to be made quickly and neatly, but also affords easy access to the fuel system for pump priming and connection of a temporary oil line (run outs).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




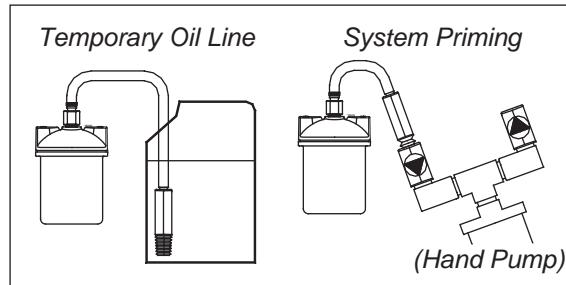
- ▶ Quickly and neatly access fuel system without disconnecting fittings!
- ▶ Liquid filled gauge dampens pulsation allowing precise measurement and protects gauge from hydraulic shock damage
- ▶ Models available for all popular heating oil line filters

|  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 Fullflo 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 Fullflo 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

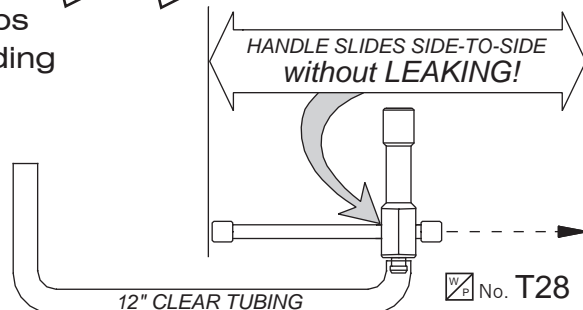
"FLO-THRU"

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 |

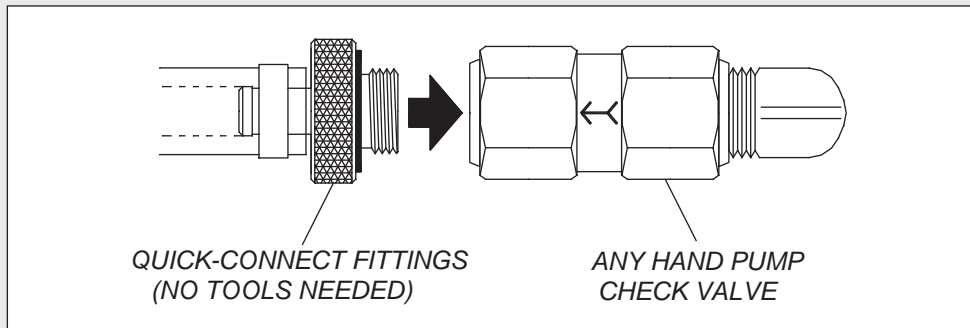


Westwood

"EASY ANGLE" PRESSURE & VACUUM HAND PUMPS

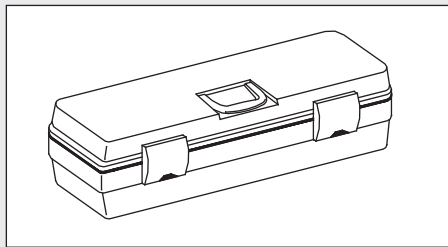
Hand operated piston pumps with built-in check valves for use with liquids and air. Ideal for clearing plugged oil lines, priming pumps, transferring liquids, and adding chemicals to boilers.

- ▶ 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 & HOSE SET



No. T30-6

CARRYING CASE FOR T30 & T30-4



No. S100-402

CENTER PORT COMPOUND GAUGE
30" Hg. - 150 PSI (2" FACE, 1/8"- NPT)

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




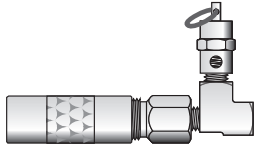




No. T30
STANDARD



No. T30-1
HIGH CAPACITY

Westwood

CO₂ BLOW OUT GUNS & KITSFOR QUICKLY CLEARING PLUGGED LINES
ALL BRASS CONSTRUCTION

| W/P No. | Reference No. | Description & Representative Picture |
|---------|---------------|--|
| T32 | ML-3 | CO ₂ 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 ₂ blow out gun with built-in safety valve. Limits pressure at outlet of gun to 150 PSI. Since CO ₂ 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 ₂ 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 ₂ cartridges, plastic carrying case, and instructions  |
| T32-16 | ML-3-PQ | CO ₂ 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...
CO₂ CARTRIDGES on page T7

rev. 5-1-07

T6Please order by  No.



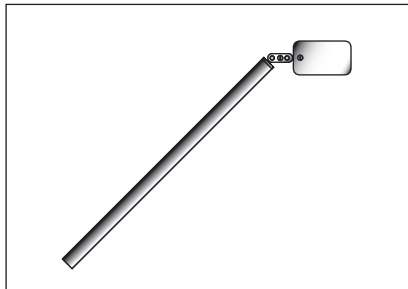
Westwood
CO₂ CARTRIDGES

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

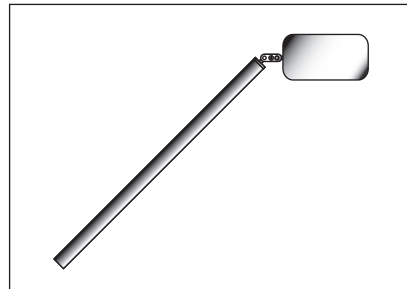
* 36 boxes of 10 cartridges per case


Westwood
FLAME MIRRORS & PILOT LIGHTERS

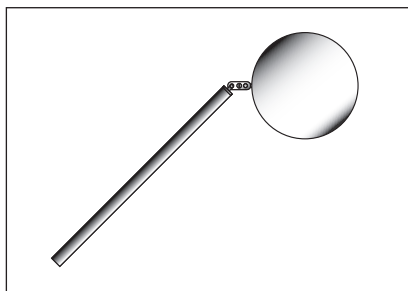
Telescoping Handle



 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 2-1/8" 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 | 26" 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:

- CO₂ Indicator
- CO₂ 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 CO₂ INDICATOR KIT


BRIGON

T36 TEST KIT CONTAINS:

- CO₂ Indicator
- CO₂ Indicator sampling assembly
- Efficiency calculating slide rule
- Carrying case



 No. T36

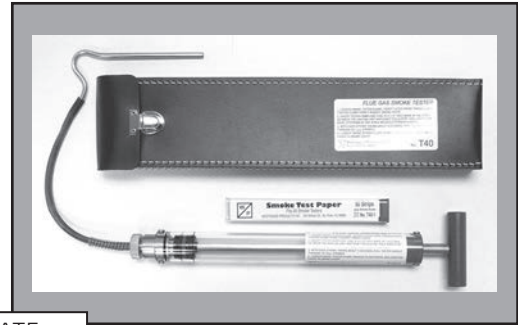
|  No. | Description | Replaces Bacharach |
|---|---|--------------------|
| T35 | BRIGON Oil burner combustion test kit with carrying case | 10-5022 |
| T35-1 | T35 kit with smoke tester & stack thermometer manufactured by Westwood | 10-5022 |
| T36 | BRIGON CO ₂ indicator kit with carrying case | 10-5000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

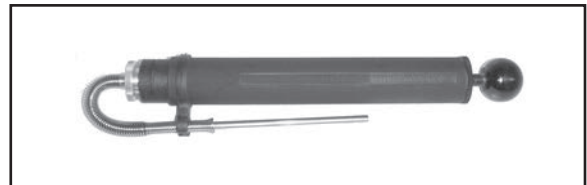


No. T40-1

*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 | BRIGON smoke tester | 21-7006 |
| T41-1 | BRIGON smoke test paper, Pkg. of 40 papers | 21-0019 |
| T41-2 | BRIGON smoke scale | 21-0018 |
| T41-5 | BRIGON 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

Westwood

CO₂ INDICATOR SERVICE PARTS & FLUID

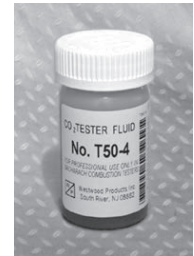
FOR
BACHARACH & BRIGON
TESTERS



No. T50-2, -5



No. T50-3



No. T50-4

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

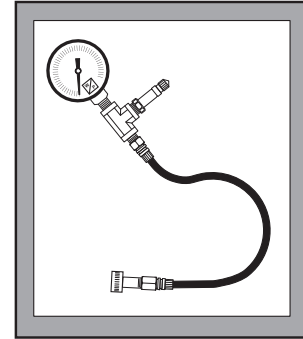
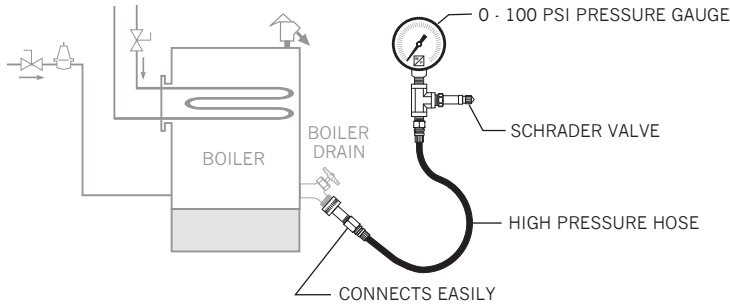
Westwood

"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.

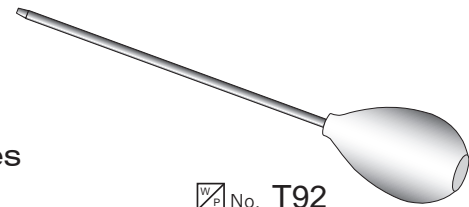


No. T91

Westwood

"PILOT PUFFER" LINT & DUST BLOWER

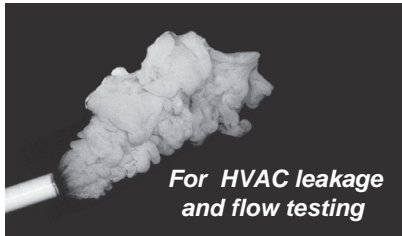
- ▶ Cleans hard-to-reach gas pilot burners and orifices
- ▶ Durable, rust proof 11" brass air tube
- ▶ Flexible, long life flexible rubber bulb



No. T92

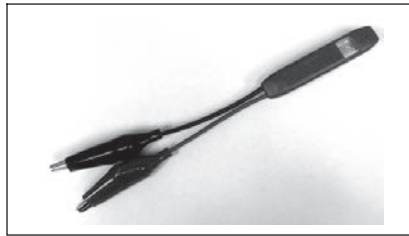
| No. | Description |
|-----|---|
| T90 | "EASY ACCESS" tankless coil and piping pressure tester |
| T91 | Gas pressure tester for natural and L.P. gas |
| T92 | "PILOT PUFFER" gas pilot and orifice lint and dust blower |

SMOKE PRODUCTS



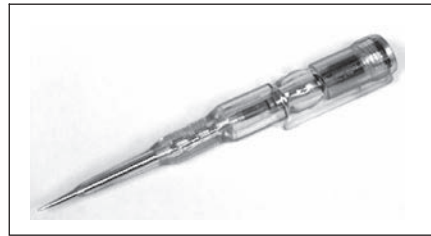
No. T95 (Series)

LOW VOLTAGE TESTER



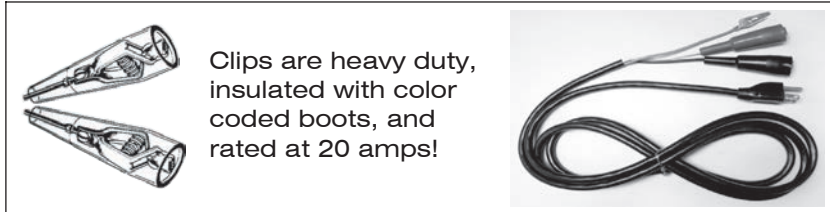
No. T100-10

LINE VOLTAGE TESTER



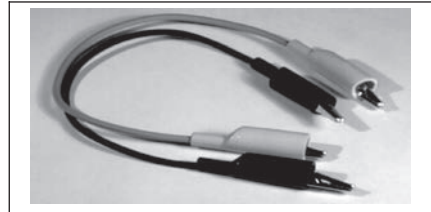
No. T100-15

CORD & CLIP SET - 8' Long



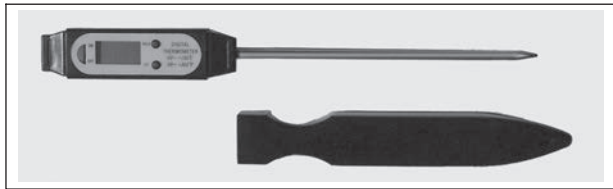
No. T100-50

JUMPERS - Insulated & non-insulated



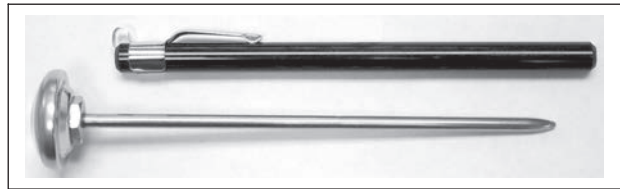
No. T100-70 through -84

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 20 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

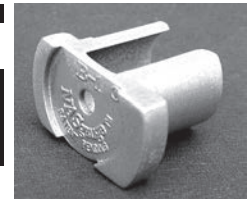
Please order by No.

rev. 9-1-13

Westwood

NAS gauge™ 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



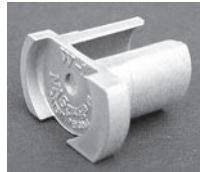
B-1 For Beckett
Models AF, AFG, SR,
SF with "F" heads and
SF II with "FBX" head

 No. **T100-202**



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

 No. **T100-204**



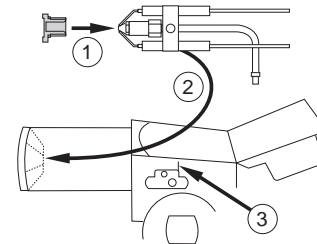
W-1 For Wayne
Models EG-1, M-SR,
EH-SR, EHA-SR

 No. **T100-206**

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

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™*



Westwood

ELECTRODE GAUGE

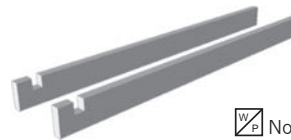


 No. **T100-220**

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


Westwood

ELECTRODE BENDERS



 No. **T100-230**

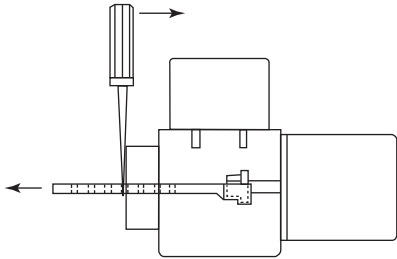
Pair of 5" long case hardened tools designed specifically for bending and adjusting electrode tips.

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

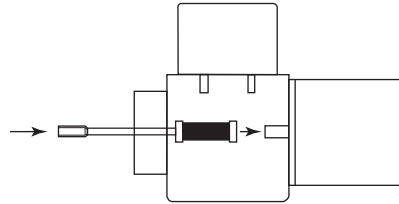
Westwood

Coupler Popper™ with Coupler Aligner / Installer

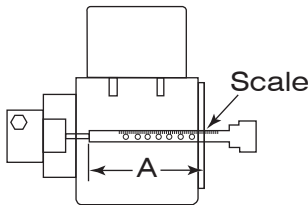
This handy tool removes coupling ends stuck on the motor shaft from the pump side of the burner. No need to remove the motor! It also measures the proper dimension to cut a new coupling for a perfect fit, installs couplings through the pump side of the burner, and centers the pump end of the coupling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



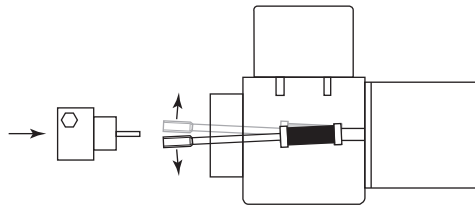
Removing stuck coupling end piece on motor shaft from pump side of burner



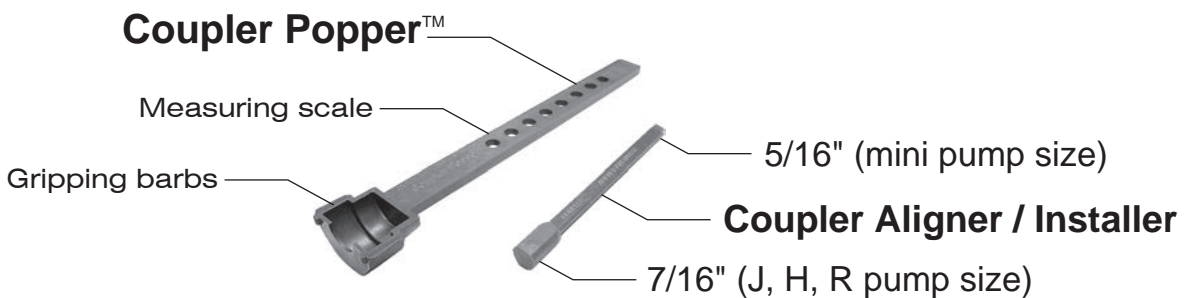
Using Aligner/Installer to install coupling on motor shaft from pump side of burner




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 | Coupler Popper™ multi purpose coupling tool with Coupler Aligner/Installer |

 Take a look . . .

COUPLING CUTTER on page T16

Please order by  No.

rev. 5-1-07

Westwood

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

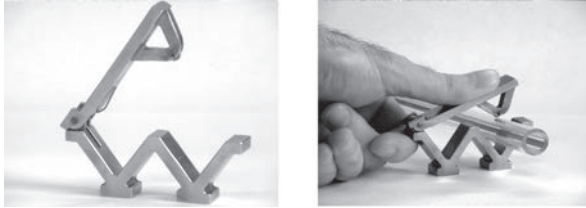
FIELD PROVEN • RUGGED CONSTRUCTION • QUALITY MATERIALS

COUPLING CUTTER

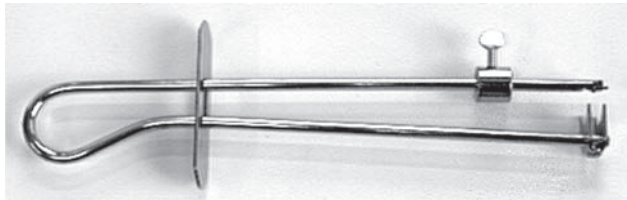
Cuts coupling shafts quickly and cleanly. No twisting or turning necessary. Cuts 1/8" to 1-1/4" O.D. rubber, polyethylene, neoprene, vinyl, PVC, etc. Reversible blade gives twice the blade life. Curved handles are easy on the hands.

 No. T100-310
GAUGE GLASS CUTTERS

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


 No. T100-330


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. T100-340

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

T16

rev. 5-1-07

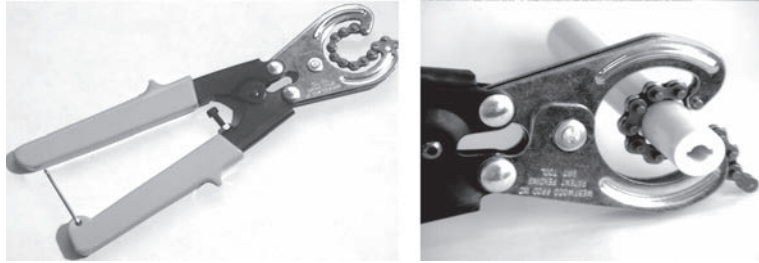
Please order by  No.

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

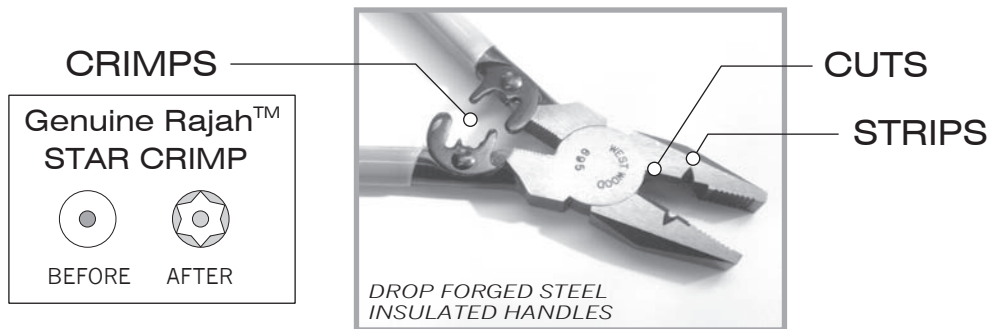
MASTER LINEMAN'S PLIERS & CRIMPER




 No. T200-10

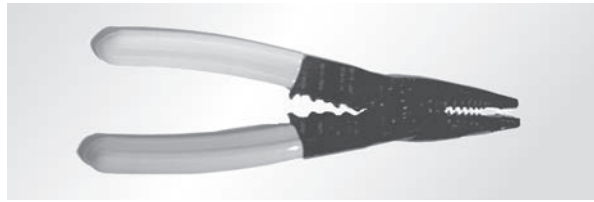
The Grandson of the famous Rajah™ Crimping Tool!

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.



|  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

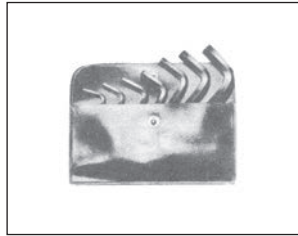


 No. T200-15

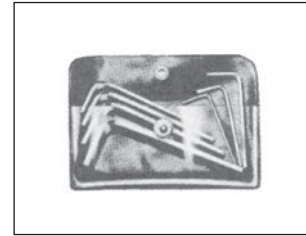
Cuts and strips #10 to #22 gage wire. Crimps standard insulated, non-insulated, and 7mm automotive type terminals. (for Rajah™ ignition terminals, see T200-10 Lineman's pliers and crimper on page T17)

Westwood
HEX KEY WRENCH SETS

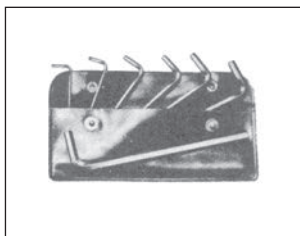
HEAT TREATED!



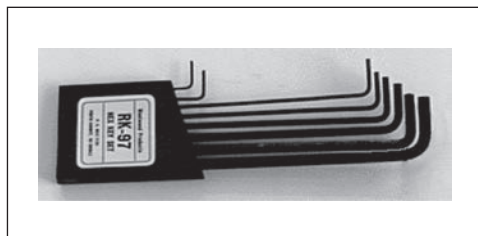
 No. T200-50



 No. T200-52



 No. T200-54



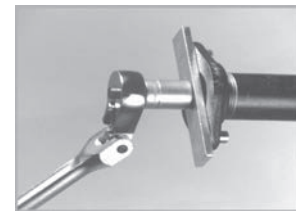
 No. T200-56




 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 |

INDEX

- A**
 Absorbent pads & socks, S26
 Adapter, flexible oil lines, S20
 Adapter, gauge, S11
 Additive, heating oil, C1
 Alligator clip cord set, T13
 Alligator clips, E34
 Altitude gauges, H7
 Amp tester, T11
 AMP-MASTER tester, T11
 Anti-siphon valves, S20, S21
 Aquastat wells, H8
 Assemblies, Auburn, E17 - E26
 Assemblies, cable, E35
 Assemblies, Champion, E28, E29
 Assemblies, filtration, F6
 Auburn products, E17 - E26
- B**
 B&G circulator, couplings for, H5
 Bacharach, repair parts for, T10
 Bags, vacuum cleaner, S25
 Beckett burner flange gasket, S3
 Beckett nozzle line fittings, S13
 Beckett, NYLO-FLEX for, S5
 Beckett, tune-up kits for, S7, S8
 Belts, MAX-DRIVE v-belts, S1
 Benders, electrode, T14
 BIG GUY filter elements, F8
 Biocide, C3
 Black iron steam pig tails, H3
 Bleed wrench, T4
 Bleeder fitting, spin-on filter, F4
 Bleeders, radiator, H8
 Blow down kit for McD & M, H4
 Blow out gun, CO2, T6
 Blower wheels, S9
 Blue Angel tune-up kit, S8
 Boiler probes, Fulton boilers, H9
 Bolts, circulator flange, H4
 Boots, insulating, E34
 Brass steam pig tails, H3
 Brass, buss bars, E32
 Brazed plate heat exchangers, H10
 Brigon combustion testers, T8 - T10
 Bulbs, rough service, E36
 Burner fans, S9
 Burner flange gasket, S3
 Bushings, electrode, E32
 Buss bars, E32
 By-pass plugs, S13
- C**
 Cable assemblies, E35
 Cable ties, E36
 Cable, high voltage, E35
 Cable, ignition, E35
 Cable, red & white silicone, E35
 Cad cell eye, E37
 Cad cell flame detector, E37
 Cad cell tester, T11
 Can, filter upgrade kit, F11
 Canister upgrade kits, F11
 Cap, garden hose, H8
 Carlin, NYLO-FLEX for, S5
 Carlin, tune-up kits for, S8
 Cartridges, CO2, T7
 Cast iron top filters, F1, F2
 Cerafelt chamber liners, S2
 Ceramic boots, terminal, E34
 Ceramic spark plug boots, E34
 Chamber liners, S2
 Champion ign. assem, E28, E29
 Check valves, S20
 CHERRY BLAST odor powder, C1
 Circulator couplings, H5
 Circulator flange bolts, H4
 Circulator flange gaskets, H4
 Circulator flange tool, H4
 CLASSIC FELT filter element, F9
 CLASSIC YARN filter element, F10
 Cleanup supplies, S26
 Cleaver Brooks ring, E32
 Cleaver Brooks spring, E32
 Clips, alligator, E34
 Clips, electrical, E34
 Clips, jumper, T13
 CO2 blow out gun, T6
 CO2 cartridges, T7
 CO2 indicators, T8
 CO2 tester fluid & parts, T10
 CO2 testers, T8
 COMBI oil de-aerator, S18
 Combination gauges, H7
 Combustion chamber liners, S2
 Combustion test equip., T8 - T10
 Commercial element, 2A-300, F9
 Commercial spin-on filters, F4
 Compound gauges, S11
 Connectors, wire, E36
 Copper gaskets, E32
 Copper oil lines, S13
 Cord & clip set, T13
 Coupler Popper tool, T15
 Coupling cutter, T16
 Coupling kits, S4, S6
 Coupling, for B&G circulators, H5
 Couplings, motor, S4
 Couplings, NYLO-FLEX, S5
 Couplings, one piece, S4
 Couplings, SPIRALINK, H6
 Couplings, spline, S4
 Coveralls, disposable, S26
 Crank arm linkage, S23
 Crimpers, terminal, T17, T18
 Cutter, coupling, T16
 Cutter, porcelain, T17
 Cutters, gauge glass, T16
 Charges, CO2, T7
- D**
 Danfoss, strainers for, S12
 De-aerator, oil, S15 - S18
 DE GREASE IT solvent, C2
 DE GREASE IT Plus, solvent, C2
 Degreasers, C2
 Deodorant, C1, C3
 Dial thermometer, H7
 Digital pocket thermometer, T13
 Dirt pocket cap for McD & M, H4
 Disposal bags, S26
 Distributor nipple, E34
 Double wall heat exchgrs, H10
 Draft gauge, T10
 Draft regulator, S22
 Draft stabilizer, TIGEX®, S22
 Drop cloth, S26
 Dry comb. chamber liners, S2
 Ducane, NYLO-FLEX for, S5
 Dust masks, S26
- E**
 EASY ACCESS tester, T12
 EASY ANGLE hand pump, T4
 Electrical clips, E34
 Electrode benders, T14
 Electrode kits, E15, E16, S7, S8
 Electrode setting gage, T14
 Electrodes, Auburn, E17 - E26
 Electrodes, Champion, E28, E29
 Electrodes, E1 - E29
 Elements, BIG GUY, F8
 Elements, filter, 10 micron, F4, F9
 Elements, filter, felt, F9
 Elements, filter, Pure-Oil, F8
 Elements, filter, yarn, F10
 Epoxy coated canisters, F1 - F11
 Eye, cad cell, E37
 E-Z CONNECT, S20
- F**
 Fans, S9
 FB10, element for, F8, F10
 FB4, element for, F8, F10
 FB6, element for, F8, F10
 FB8, element for, F8, F10
 Feeder, McD & M, parts for, H4
 Felt filter elements, F9
 Fiberglass braid, E35
 Fiberglass rope, S3
 Filter canister upgrade kit, F11
 Filter elements, 10 micron, F4, F9
 Filter elements, BIG GUY, F8
 Filter elements, felt, F9
 Filter elements, Pure-Oil, F8
 Filter elements, ULTRA-10, F9
 Filter elements, yarn, F10
 Filter Life Indicator, F5
 Filter, canister type, F1, F2
 Filter, canister upgrade kit, F11
 Filters, commercial spin-on, F4
 Filters, dual, F6
 Filters, F1 - F11
 Filters, gaskets for, F10
 Filters, secondary filtration, F6
 Filters, spin-on, F4
 Filters, with BIG GUY element, F2
 Firomatic valve, S15
 Firomatic, elements for, F8
 Fitting, garden hose, H8
 FITZ-ALL pump tester, T2
- Flame detector, cad cell, E37
 Flame mirrors, T7
 Flame rods, Auburn, E24
 Flange bolts, circulator, H4
 Flange gasket material, H4
 Flange gasket, burner, S3
 Flange tool, T18
 Flexible oil lines, S19
 FLEXI-LINK circulator coupling, H5
 Floating suction line, S22
 FLO-THRU pump bleed wrench, T4
 Friction washers, gauge glass, H3
 Fuel filter gaskets, F10
 Fuel oil additive, C1
 Fuel oil treatment, C1
 Fuel oil, filters, F1 - F11
 Fuel stabilizer, C1
 Fuel treatment, C1
 Fulflo FB10, element for, F8, F10
 Fulflo FB4, element for, F8, F10
 Fulflo FB6, element for, F8, F10
 Fulflo FB8, element for, F8, F10
 Fulton boilers, level probes for, H9
 Furnace oil line kit for Miller, S13
- G**
 Garden hose cap & fitting, H8
 Gas pressure tester, T12
 Gasket material, red rubber, H4
 Gasket set, Fulflo, F10
 Gaskets, circulator flange, H4
 Gaskets, dirt pocket cap, H4
 Gaskets, fuel filters, F10
 Gaskets, pump strainer, S12
 Gauge adapter, S11
 Gauge glass cutters, T16
 Gauge glass friction washers, H3
 Gauge glass nuts, H3
 Gauge glass repair kit, H3
 Gauge glass sets, H3
 Gauge glass washers, H1, H2
 Gauge glass, H1, H2
 Gauge glass, high pressure, H2
 Gauge glass, red line, H2
 Gauge glass, standard, H1
 Gauge, draft, T10
 Gauges, altitude, H7
 Gauges, combination, H7
 Gauges, compound, S11
 Gauges, diaphragm, S11
 Gauges, hydronic, H7
 Gauges, liquid filled, S10
 Gauges, pressure, S10
 Gauges, refrigeration test, S11
 Gauges, spin-on filter, F4
 Gauges, steam, H7
 Gauges, tank, S22
 Gauges, temperature, H7
 Gauges, tester, S11
 Gauges, tridicator, H7
 Gauges, vacuum, S11
 Gauges, water level, H7
 General Filters, elmt. for, F8, F9
 Gloves, brown jersey, S26

INDEX

- Gloves, nitrile, S26
 Gloves, white canvas, S26
 Goggles, splash, S26
 GTO-15 Cable, E35
 Guards, thermostat, E38 - E40
- H**
 Hand pump, T5
 Harvey, elements for, F4, F8, F9
 Heat exchangers, H10 - H11
 Heating oil additive, C1
 Heating oil filters, F1 - F11
 Hex key wrenches, T18
 High pressure gauge glass, H2
 High temperature cable, E35
 High temperature boots, E34
 High temperature rope, S3
 High voltage cable, E35
 High volt terminals, E30 - E34
 Honeywell, wells for, H8
 Hose fitting, H8
 Hot water thermometer, H7
 HY-DRO-SOL water absorber, C3
 Hydronic gauges, H7
- I**
 Ignition cable, E35
 Ignition terminals, E30 - E34
 Ignition transformer tester, T11
 Ignition wire, E35
 Ignition, Auburn, E17 - E26
 Ignition, Champion, E28, E29
 Ignitor kits, E15, E16, S7, S8
 Ignitors (electrodes), E1 - E29
 Immersion wells, H8
 Insulation, heat exchgrs, H11
 Insulators, E1
- J**
 Jumpers, T13
- K**
 Key, radiator bleeder (vent), H8
 Keys, hex, T18
 Kit, blow down for McD & M, H4
 Kit, dirt pocket cap, McD & M, H4
 Kit, gauge glass repair, H3
 Kit, Miller furnace oil line, S13
 Kit, spill, S26
 Kits, burner tune-up, S7, S8
 Kits, cad cell flame detector, E37
 Kits, circulator flange bolt, H4
 Kits, circulator flange gasket, H4
 Kits, CO2 blow out gun, T6
 Kits, combustion testing, T8
 Kits, couplings, S4, S6
 Kits, electrode, E15, E16, S7, S8
 Kits, filter canister upgrade, F11
 Kits, heat exchanger insul., H11
 Kits, NYLO-FLEX couplings, S6
 Kits, Rajah terminals, E33
- L**
 Leak tester, T12
 Lennox, NYLO-FLEX for, S5
 Light, thermostat, E41
 Line voltage tester, T13
 Lineman's pliers, T17
 Liners, combustion chamber, S2
 Lines, oil (nozzle), S13
 Linkage, crank arm, S23
 Lint and dust blower, T12
 Liq. level probes, stainless, E27
 Auburn, E25 - E26
 Fulton boilers, H9
 Liq. filled pressure gauges, S10
 Low pres. diaph. gauges, S11
 Low voltage tester, T13
 Low water cut off, parts for, H4
- M**
 MAGIC-PATCH tank patch, S13
 Magnetic oil tank patch, S13
 MAX-DRIVE v-belts, S1
 McDonnell & Miller, parts for, H4
 Miller furnace oil line kit, S13
 MINT BLAST, odor absorber, C1
 Mirrors, flame, T7
 Mitco, elements for, F4, F8, F9
 Motor couplings, S4
 Motor, zone valve, E41
 Mounting bkt., spin-on filter, F4
- N**
 NAsgauge nozzle tool, T14
 Nitrile gloves, S26
 Nozzle line fitting, Beckett, S13
 Nozzle lines, S13
 Nuts, gauge glass, H3
 Nuts, wire, E36
 NYLO-FLEX couplings, S5
- O**
 Observation ports, S24
 ODOR KILL, odor absorber, C3
 Odor neutralizer, C1, C3
 Oil burner blower wheels, S9
 Oil de-aerator, S15 - S18
 Oil line access port, T4
 Oil line kit for Miller furnace, S13
 Oil line safety valve, S20, S21
 Oil lines, copper, S13
 Oil lines, flexible, S19
 Oil tank patch, S13
 OSV valve, S20, S21
- P**
 Pads, absorbent, S26
 Paper wipes, S26
 Paper, smoke test, T9
 PETRO-CIDE, biocide, C3
 Petro ignition assembly, E28
 Pig tails, steam, H3
 Pilot cleaner, T12
 Pilot lighters, T7
 PILOT PUFFER lint blower, T12
 Plastic bags, S26
 Plate heat exchanger, H10 - H11
 Pleated paper elements, F9
 Pliers, lineman's, T17
 Plugs, by-pass, S13
 Pocket thermometers, T13
 Porcelain cutter, T17
 Porcelains, E1
 Ports, observation, S24
 Pour point reducer, C1
 Pres. tester, EASY ACCESS, T12
 Pressure gauges, S10
 Pressure-Vac. hand pump, T5
 Probes, stainless steel, E27
 Pump bleed wrench, T4
 Pump cover gaskets, S12
 Pump strainers, S12
 Pump test, Suntec & Web., T2
 Pump tester, Riello, T2, T3
 Pump testers, T1 - T3
 Pump, hand pressure-vac., T5
 Pure-Oil filter elements, F8
 Purolator, elements for, F8
 Push rods, linkage, S23
 PV pump, T5
- R**
 Radiator bleeder (vent) key, H8
 Radiator bleeders (vent), H8
 Rags, polo, S26
 Rajah terminal kits, E33
 Rajah terminals, E30 - E33
 Ray burner bakelite shield, E32
 Red Line gauge glass, H2
 Red rubber gasket material, H4
 Reducer bushing, S4
 Refractory chamber liners, S2
 Refrigeration test gauges, S11
 Riello by-pass plug, S13
 Riello pump tester, T3
 Riello, strainer for, S12
 Rope, high temperature, S3
 Rough service bulbs, E36
 Rubber couplings, S4
 Rubber gask. material, red, H4
- S**
 Safety and spill supplies, S26
 Safety glasses, S26
 Sampling assem, CO2 test., T8
 Saws, soot, S25
 Screwdriver line volt tester, T13
 Secondary filtration assem., F6
 SERVICE-SAW tool, S25
 Set, hex key wrenches, T18
 Sets, gauge glass, H3
 Shoe covers, S26
 Shovel, soot, S25
 Sid Harvey, elements for, F4-F9
 Sight glasses, S24
- Silicone rubber boots, E34**
 Sliding handle bleed wrench, T4
 Sludge solvent, C1
 Smoke cartridges (candles), T13
 Smoke sticks, T13
 Smoke pen, T13
 Smoke test paper, T9
 Smoke testers, T9
 Socks, absorbent, S26
 Solderless terminals, E36
 Solderless terminal kit, E36
 Solvents, C2
 SOLVIT spray solvent, C2
 SOLVIT GREEN spray solvent, C2
 SOOT SABER cleaning tool, S25
 SOOTAWAY spray, C2
 SOOTAWAY stick, C2
 Soot remover, C2
 Soot saws, S25
 Soot shovel, S25
 SOOT SNAKE vacuum hose, S25
 Soot spray, C2
 Soot stick, C2
 Spark plugs, Champion, E29
 Spill cleanup supplies, S26
 Spill kit, S26
 Spin-on filter bleeder fitting, F4
 Spin-on filter gauges, F4
 Spin-on filter mounting brkt, F4
 Spin-on filter wrench, F4
 Spin-on filters, F4
 SPIRALINK couplings, H6
 Splash goggles, S26
 Spring terminals, E32
 Stack thermometers, T10
 Stainless heat exchangers, H10
 Stainless steel probes, E27
 Standard electrodes, E1
 Steam boiler parts, H3, H4
 Steam gauges, H7
 Steam pig tails, H3
 Strainers, pump, S12
 Strippers, wire, T17, T18
 Suntec by-pass plugs, S13
 Suntec, strainers for, S12
 Swivels, linkage, S23
 System pressure tester, T12
- T**
 Tank, floating suction line, S22
 Tank gauges, S22
 Tank patch, S13
 Tank valves, S22
 Tankless coil gask. material, H4
 Tankless coil tester, T12
 Telescoping flame mirrors, T7
 Telescoping pilot lighters, T7
 Temperature gauges, H7
 Terminal crimpers, T17, T18
 Terminal, ceramic boots, E34
 Terminals, high volt, E30 - E33
 Terminals, ignition, E30 - E33
 Terminals, Rajah, E30 - E33

INDEX

- Terminals, solderless, E36
 Terminals, spring, E32
 Test equip, combustion, T8 - T10
 Test gauges, refrigeration, S11
 Tester gauges, S11
 Tester, AMP-MASTER, T11
 Tester, cad cell, T11
 Tester, draft, T10
 Tester, gas pressure, T12
 Tester, ignition trans., T11
 Tester, line voltage, T13
 Tester, low voltage, T13
 Testers, CO2, T8
 Testers, pump, T1 - T3
 Testers, smoke, T9
 Thermometer, dial, H7
 Thermometer, dig. pocket, T13
 Thermometer, pocket, T13
 Thermometers, stack, T10
 Thermostat circuit tester, T11
 Thermostat guards, E38 - E40
 Thermostat light, E41
 TIGERFLEX™ floating suction line, S22
 TIGERLOOP® Bio, S17
 TIGERLOOP® Combi, S18
 TIGERLOOP® installation bundles,
 S15, S16
 TIGERLOOP® oil de-aerator, S15
 TIGERLOOP® Twin, S18
 TIGERLOOP ULTRA™, S16
 TIGERLOOP ULTRA-B™, S17
 TIGERLOOP® ventilation hose kit,
 S15, S16
 TIGERSTOP™ anti-siphon valve, S20
 TIGEX® Draft Stabilizer, S22
 Tool, circulator flange, T18
 Tool, Coupler Popper, T15
 Tool, crimping, T17, T18
 Tool, gauge glass cutting, T16
 Tool, nozzle assembly, T14
 Tool, porcelain cutting, T17
 Torrington NYLO-FLEX adpt., S5
 Transformer tester, T11
 TRANS-TEMP heat exchng., H10
 Treatment, heating oil, C1
 Tridicator gauges, H7
 Tubing, copper oil lines, S13
 Tune-Up kits, S7, S8
U
 UL Recognized filter canisters, F11
 UL Recognized filter elmts., F7-F10
 UL Listed filters, F1 - F4
 ULTRA-10 filter elements, F9
 ULTRAGLO thermo. light, E41
 Unifilter 77, elmts. for, F8, F9
 Unifilter 99, elmts. for, F8, F9
 Upgrade kits, filter canister, F11
V
 VAC-PROBE oil line fitting, T4
 Vacuum cleaner bags, S25
 Vacuum cleaner hose, S25
 Vacuum gauges, S11
 VACUUM-VIEW pump tester, T1
 Valves, check, S20
 Valves, tank, S22
 Vent alarms, S22
 Vent caps, S22
 V-Belts, S1
W
 Washers, gauge gl. friction, H3
 Washers, gauge glass, H1, H2
 Water absorber, C3
 Water dispersant, C1
 Water level gauges, H7
 Water temperature gauges, H7
 Wayne, NYLO-FLEX for, S5
 Wayne, tune-up kits for, S8
 Webster by-pass plugs, S13
 Weil McLain electrode, E14
 Wells, aquastat, H8
 Wells, immersion, H8
 Wet combustion chambers, S2
 White filter elements, F8
 Wipes, paper, S26
 Wire connectors, E36
 Wire connectors, E36
 Wire nuts, E36
 Wire strippers, T17, T18
 Wire, ignition, E35
 WP-3 fuel oil additive, C1
 Wrench, hex key, T18
 Wrench, pump bleeder, T4
 Wrench, spin-on filter, F4
Y
 Yarn filter elements, F10
 Yarn filters, F2, F10
Z
 Zone valve motor, E41



 Take a look . . .

ELECTRODE KITS and BURNER TUNE-UP KITS in Service Supplies Section pages S7 - S8



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