



*The Leading Manufacturer  
of Small Valves*



**Volume 35**

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## Industry Compliance

Access fittings manufactured and sold by C&D Valve meet ARI Standard 720-2002 and are manufactured and packaged in the U.S.A.



## Guarantee

C&D Valve products are unconditionally warranted against defective material and workmanship, and will perform to complete satisfaction when used with our instructions.

## Custom Parts

C&D Valve has the ability to customize parts to meet special requirements. Combine an existing brass body from our wide selection... or a new one with tubes of different sizes, bent, swagged and flared.

*Please contact us for more information at  
1-800-654-9233 or sales@cdvalve.com*



*C&D Valve has been providing quality American made tools and fittings to the air conditioning and refrigeration industry for over 45 years.*

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Warning: Safety glasses should always be worn when working with refrigerants.  
Contact with refrigerants may cause injury.



### Premium Line Service Valves

#### General Specifications

The T-36 Series comes with a CD2250 wrench cap and CD4460 valve core and is available in a variety of tube sizes. There are 1/8" male pipe threads below the hex. Material is CDA 360 brass and standard refrigeration tubing. Approximate weight per part is 2-1/2 oz.

#### Features

This series of line service valves is more versatile than the 84 Series or 36LP Series (page 5) because of the following:

1. The wrench cap is standard.
2. 1/8" pipe thread below the hex is standard on all but the CD3456. This allows securing to a bulkhead with a lock nut.
3. Extra bushings included with several items to provide a choice on size of hole to cut at the job and reduce the amount of inventory to be maintained.

			PART# <b>CD3434</b> PKG QTY: 6 3/16" copper tubing, 1/8" copper bushing, wrench cap and core
			PART# <b>CD3436</b> PKG QTY: 6 1/4" copper tubing, 3/16" copper bushing, wrench cap and core
			PART# <b>CD3456</b> PKG QTY: 6 5/16" copper tubing, 1/4" copper bushing, wrench cap and core
			PART# <b>CD3602</b> PKG QTY: 6 1/4" copper tubing, 3/16" & 1/8" copper bushings, wrench cap and core
			PART# <b>CD3603</b> PKG QTY: 6 3/16" copper tubing, wrench cap and core
			PART# <b>CD3604</b> PKG QTY: 6 1/4" copper tubing, wrench cap and core
			PART# <b>CD3608</b> PKG QTY: 6 1/8" copper tubing, wrench cap and core



PART# **CD3600** PKG QTY: 6  
1/8" ID hole, 3/16", 1/4", 5/16" steps  
1/8" MPT below hex wrench cap and core

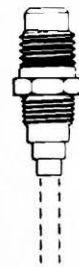
CD3600 valve can be adapted to serve you in the following ways:



PART# **CD3688** PKG QTY : 25  
Used with T36 Series.  
2 lock nuts included with packaged access valves.



1/8" copper tube



5/16" copper tube



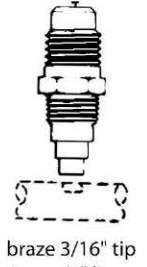
1/4" copper tube



3/8" copper tube



1/2" copper tube



braze 3/16" tip into 1/4" line or larger



# 36 LP SERIES

## Standard Line Service Valve

			PART# <b>CD1010</b> PKG QTY: 6 1/8" copper tubing wrench cap and core
			PART# <b>CD1212</b> PKG QTY: 6 3/16" copper tubing wrench cap and core
			PART# <b>CD2525</b> PKG QTY: 6 1/4" copper tubing wrench cap and core
			PART# <b>CD3605</b> PKG QTY: 6 5/16" copper tubing wrench cap and core
			PART# <b>CD3606</b> PKG QTY: 6 3/8" copper tubing wrench cap and core
			PART# <b>CD3619</b> PKG QTY: 6 1/8" ID hole, 3/16", 1/4", 5/16" steps wrench cap and core

## Economy Line Service Valve

			PART# <b>CD8408</b> PKG QTY: 6 1/8" copper tubing cap and core
			PART# <b>CD8403</b> PKG QTY: 6 3/16" copper tubing cap and core
			PART# <b>CD8404</b> PKG QTY: 6 1/4" copper tubing cap and core
			PART# <b>CD8405</b> PKG QTY: 6 5/16" copper tubing cap and core
			PART# <b>CD8406</b> PKG QTY: 6 3/8" copper tubing cap and core
			PART# <b>CD8400</b> PKG QTY: 6 1/8" ID hole, 3/16", 1/4", 5/16" steps CD2245 cap and core

## General Specifications

The 36LP Series comes with a CD2250 wrench cap and CD4460 valve core and is available in a variety of tube sizes ranging from 1/8" to 3/8". There are no pipe threads. Material is CDA 360 brass and standard refrigeration tubing. Tube length is approximately 2". Approximate weight per part is 2-1/2 oz.

## Installation Instructions:

1. Remove cap and core.
2. Insert tubing or body into the corresponding size line or hole and braze into place.
3. Replace core, tighten, evacuate and charge system. Replace cap.

## Crimped Tubes:

Parts with 1/8", 3/16", 1/4", 5/16" and 3/8" tubes are also available with crimped ends. The crimp is .156" from the end of the copper tube and acts as a seat in a hole while brazing. In the price list, see the same part number preceded by "CR" instead of "CD".



## General Specifications

C&D Valve manufactures brass bodies for a variety of special purposes.

They are stock items and indicate the versatility of our parts. Most have the standard 1/4" male flare above the hex. Below the hex are various threads, outside diameters and inside diameters for accepting different sizes of tubing and connections. Many have multiple steps.

The CD2245 cap and CD4460 valve core are standard with each, except where noted or when the customer specifies differently.

ID and OD measurements given are actual part dimensions.

## Brass Access Bodies

### STANDARD FLARE



PART# **CD1200** PKG QTY: 6  
3/16" ID hole,  
1/4", 5/16" OD steps



PART# **CD2500** PKG QTY: 6  
1/4" ID hole, 1/4",  
5/16" OD step



PART# **CD2506** PKG QTY: 6  
1/4" ID hole, 3/8" OD step



PART# **CD3338** PKG QTY: 6  
3/16" ID hole, 1/4" OD step,  
3/8" OD steps



PART# **CD3346** PKG QTY: 6  
1/4" ID hole, 3/8" OD step,  
7/16" OD steps



PART# **CD3358** PKG QTY: 4  
5/16" ID, 1/2" OD step



PART# **CD3368** PKG QTY: 4  
3/8" ID, 1/2" OD step



PART# **CD4545** PKG QTY: 6  
9/32" ID and 1/4" OD steps



PART# **CD5055** PKG QTY: 6  
7/32" and 5/16" OD steps



PART# **CD1960** PKG QTY: 6  
Flare 9/16" long, Hex 7/16" deep, 1/4" OD step



PART# **CD8400** PKG QTY: 6  
1/8" ID hole, 3/16", 1/4", 5/16" step, CD2245 cap and core

### BULKHEAD



PART# **CD2243** PKG QTY: 6  
Flare length extended to 3/4", solder end - 1/8" ID,  
3/16", 1/4", 5/16" OD steps (CD2217 cap)



PART# **CD2576** PKG QTY: 3  
Flare length extended to 5/8",  
solder end - 1/4" ID, 11/32" OD



PART# **CD3600** PKG QTY: 6  
1/8" ID hole, 3/16", 1/4", 5/16", steps, 1/8" MPT  
below hex wrench cap and core



# 84 TS SERIES

## Copper Access Tees



PART# **CD8414** PKG QTY: 2  
For 1/4" copper tube



PART# **CD8434** PKG QTY: 2  
For 3/4" copper tube



PART# **CD8426** PKG QTY: 2  
3/8" x 3" tube, expanded to 3/8" ID on one end



PART# **CD8416** PKG QTY: 2  
For 5/16" copper tube



PART# **CD8478** PKG QTY: 2  
For 7/8" copper tube



PART# **CD8427** PKG QTY: 2  
1/2" x 3" tube, expanded to 1/2" ID on one end



PART# **CD8438** PKG QTY: 2  
For 3/8" copper tube



PART# **CD8420** PKG QTY: 2  
1/4" x 3" tube, expanded to 1/4" ID on one end



PART# **CD8428** PKG QTY: 1  
5/8" x 3" tube, expanded to 5/8" ID on one end



PART# **CD8412** PKG QTY: 2  
For 1/2" copper tube



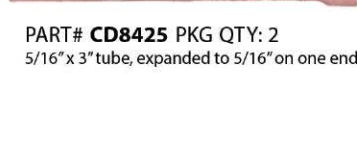
PART# **CD8425** PKG QTY: 2  
5/16" x 3" tube, expanded to 5/16" on one end



PART# **CD8429**  
PKG QTY: 1  
3/4" x 3" tube, expanded to 3/4" ID on one end



PART# **CD8458** PKG QTY: 2  
For 5/8" copper tube



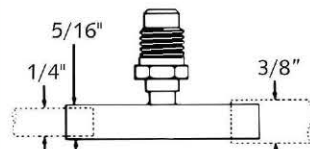
PART# **CD8431**  
PKG QTY: 1  
7/8" x 3" tube, expanded to 3/4" ID on one end



PART# **CD8505** PKG QTY: 2  
5/16" ID and 3/8" OD



PART# **CD5421** PKG QTY: 2  
5/16" x 2" refrigeration tube



1/4" ID and 5/16" OD  
will service 1/4", 5/16", 3/8"



PART# **CD8504** PKG QTY: 2  
1/4" ID and 3/8" OD

PART# **CD8506** PKG QTY: 2  
3/8" ID and 1/2" OD



PART# **CD8432**  
PKG QTY: 1  
1-1/8" x 4" tube, expanded to 1-1/8" ID on one end

## General Specifications

The 84 TS Series offers two styles of copper access tees in tubing sizes 1/4" to 1-1/8". Using Copper Tees allows connections at each end and allows use of solder less than silver solder, such as 95-5.

Copper Tees are preferable where two line ends have not yet been attached or where it is desirable to cut a line rather than drive a hole in an uncharged system. Copper Tees can save time and money.

Tees with "CD" part numbers come with CD2250 wrench cap. Change "CD" to "CC" to substitute CD2245 standard brass cap. See price list for more information.

## Installation Instructions

1. Remove cap and valve core.
2. Clean tubing and apply flux.
3. Insert tubing into each end and braze into place.
4. Replace valve core, tighten, evacuate and charge system.
5. Install cap when work is complete.





## General Specifications

Prepare line and clean tube. Remove cap and pin. Flux or solder paste saddle and install on line. Heat and braze copper saddle.

Let cool and pressure test braze, if desired. Insert pin with Teflon o-ring into body. Put on cap and tighten with wrench on body to avoid breaking braze joint. As cap is tightened, steel pin penetrates tubing.

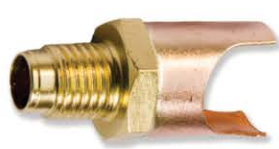
Last turn crimps brass edge over top of pin for secure fit and forming flared end. Remove cap and fitting is ready to use. If complete penetration is not made, put cap back on and tighten further.

When work is complete, replace cap, wrench tight for permanent use or install new cap with neoprene o-ring, thumb tight.

## COPPER-TO-COPPER M-SERIES

### Braze-on Service Valves

The M-Series is the first and best braze-on, self-piercing copper saddle valve. It is widely used and easily installed on a charged line. After brazing the saddle portion onto line, the steel pin with valve core penetrates the line and is locked into place simply by tightening the cap. Available in sizes ranging from 1/4" to 1-1/8".



PART# **CD5512** PKG QTY: 4  
Copper saddle for 1/2" line



PART# **CD5518** PKG QTY: 2  
Copper saddle for 1-1/8" line



PART# **CD5534** PKG QTY: 2  
Copper saddle for 3/4" line



PART# **CD5516** PKG QTY: 6  
Copper saddle for 5/16" line



PART# **CD5558** PKG QTY: 3  
Copper saddle for 5/8" line



PART# **CD5578** PKG QTY: 3  
Copper saddle for 7/8" line



PART# **CD5514** PKG QTY: 6  
Copper saddle for 1/4" line



PART# **CD5538** PKG QTY: 6  
Copper saddle for 3/8" line

## BRASS-TO-BRASS COPPER BOT STINGER



PART# **CD2814** PKG QTY: 6  
1/4" brass saddle



PART# **CD2816** PKG QTY: 6  
5/16" brass saddle



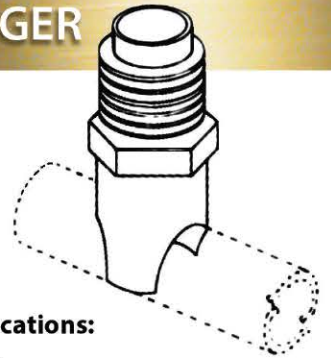
PART# **CD2838** PKG QTY: 6  
3/8" brass saddle

PART# **CD2812** PKG QTY: 4  
1/2" brass saddle

PART# **CD2834** PKG QTY: 2  
3/4" brass saddle

PART# **CD2878** PKG QTY: 2  
7/8" brass saddle

PART# **CD2818** PKG QTY: 2  
1-1/8" brass saddle



### General Specifications:

- Valve core and cap.
- Plated steel body. CDA 360 brass saddle.
- Four-way seal between body and saddle.

### Installation Instruction:

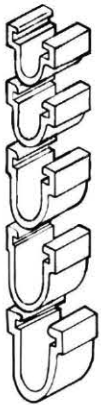
- Press saddle onto line firmly (use pliers).
- Apply flux and braze to line.
- Allow to cool.
- Screw body with core into saddle.
- Evacuate and charge system. Replace cap.



## Clamp-on Service Valves

A line tap valve that is easy to use. Five individual sizes for special access jobs.

Viton gasket for heat extremes.



PART# **CD2140** PKG QTY: 2  
For 1/4" lines.

PART# **CD2160** PKG QTY: 2  
For 5/16" lines.

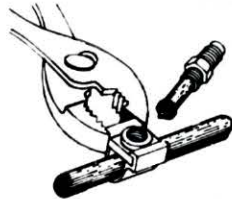
PART# **CD2380** PKG QTY: 2  
For 3/8" lines.

PART# **CD2120** PKG QTY: 2  
For 1/2" lines.

PART# **CD2580** PKG QTY: 2  
For 5/8" lines.



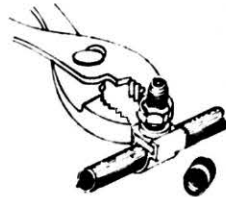
**Step 1**  
Place aluminum channel on line. Insert aluminum slide into grooves on channel.



**Step 2**  
Grip slide and channel with pliers. Place steel pin in body and screw into place.



**Step 3**  
Holding grip on channel and slides, tighten steel housing. Unique torque action provides permanent clamp.



**Step 4**  
Continue to tighten steel housing. Neoprene gasket on pin gives long-life seal.

## STANDARD LINE TAP VALVE

The CD4338 and CD4358 line tap valves pierce with a needle which automatically retracts and back seats when work is complete. The refrigerant line remains free of any restriction. No special installation tools are needed because socket head screws and hex wrench are included with every valve. These dependable and field-proven valves are easy to install and suitable with all refrigerants.



PART# **CD4358** PKG QTY : 1  
Fits 1/2" and 5/8" tubes.

PART# **CD4338** PKG QTY : 1  
Fits 1/4", 5/16" and 3/8" tubes.



### Premium Line Service Valves

*The original CRT has been improved with a ball valve design.*



Two BV-CRT models from which to choose.



Compact size for working in close quarters.



More durable with a stainless steel ball and brazed side fitting.



Works with existing CRT accessories.



More convenient to use.

#### Operating Instructions:

1. Attach the tool to a 1/4" male flare fitting, thumb tight.
2. With the valve open, completely push extractor rod in and grab the valve core head.
3. Turn the extractor knob counter-clockwise to unscrew the core.
4. Pull the extractor knob back as far as possible to close the valve.
5. Close the valve completely with a clockwise turn of the handle.
6. Remove the rear coupler, extractor rod and valve core.

With the valve core removed, the system can be accessed through the rear fitting of the core removal tool, as well as the side port on the CD3930 or CD3910.

7. To replace a valve core, attach coupler on extractor rod to rear fitting on tool, thumb tight.
8. Open valve completely with counter-clockwise turn of the handle.
9. Push extractor rod in and secure valve core in fitting by turning clockwise.

The BV-CRT works the same as our original CRT. It removes a valve core from a 1/4" male flare access fitting without loss of refrigerant. Because it has a ball valve inside rather than a stem-type valve, the tool can be closed with just a quarter turn.

With the valve core out, many operations can be performed including:

- Replacing a bad core
- Adding or removing refrigerant
- Measuring internal temperature (CD3975 required - see next page)
- Measuring system pressure by attaching a gauge to the wide port of CD3930

Internal Temperature Thermometers . . . . .	<b>CD3975</b>
Thread Chaser . . . . .	<b>CD3916</b>
Pick . . . . .	<b>CD3915</b>
Extractor Rod . . . . .	<b>CD5577</b>
Tube Piercing Attachment . . . . .	<b>CD3090</b>

### BV - CRT Service Tools



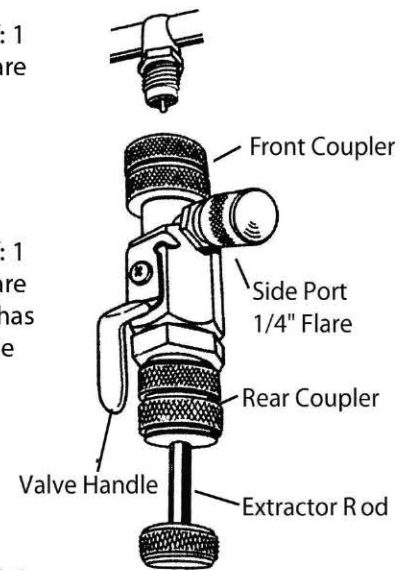
**CD3920** PKG QTY: 1  
BV-CRT for 1/4" flare connections.



**CD3930** PKG QTY: 1  
BV-CRT for 1/4" flare connections and has 1/4" male flare side access port.



**CD3956** PKG QTY: 1  
BV-CRT for 5/16" flare connections and has 1/4" male flare side access port.



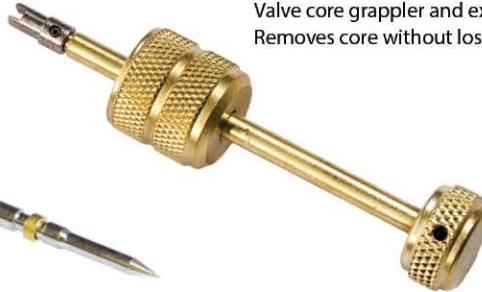


# Core Removal Tools

All accessory tools are compatible with CD3900, CD3910, CD3920, CD3930, and CD3956



**PART# CD3090** PKG QTY: 1  
Punches a hole in copper tubing through a V-Series fitting (see page 12) for the installation of a core without loss of refrigerant.



**PART# CD5577** PKG QTY: 1  
Valve core grapppler and extractor. Removes core without loss of refrigerant.



**PART# CD3910**  
PKG QTY: 1  
Our original 1/4" flare thumb screw shut-off core removal tool. Has 1/4" male flare side access port with brass cap.



**PART# CD3975** PKG QTY: 1  
A thermometer to obtain a temperature reading through an access fitting for calculating superheat (see page 12).



**PART# CD3900** PKG QTY: 1  
Same as the CD3910 except with no side port. Works with all accessories. C&D Valve guarantees its workmanship.

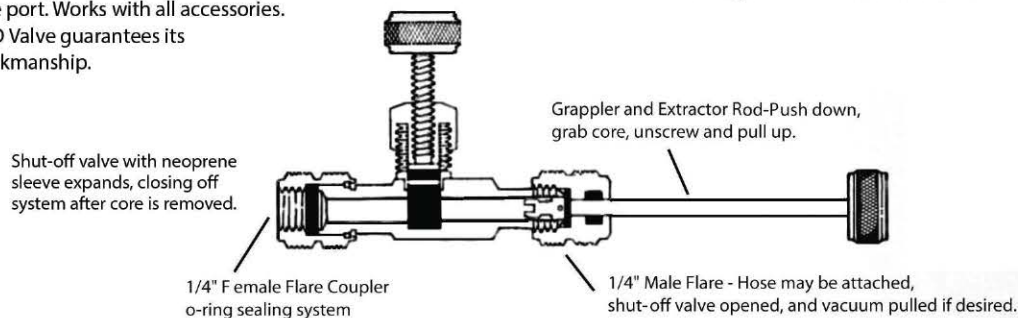


**PART# CD3916** PKG QTY: 1  
A thread chaser to clean and align the internal threads of an access fitting.



**PART# CD3917** PKG QTY: 1  
CD3915 and CD3916 together as a kit.

**PART# CD3915** PKG QTY: 1  
A pick to extract a broken core from a housing without loss of refrigerant. Has left hand threads.





## TPA

Tube Piercing Attachment. Optional tool for CRT. With any CRT and special access V Series fitting, a tube can be pierced and a core inserted into V fitting below.

## V-Series

Copper Saddle valve for special use with CD3090 Tube Piercing Attachment and any core removal tool. Available to fit nine sizes of copper tubing.

These ports are similar to the M-Series fittings, but they are internally threaded to house a valve core, and come with a CD2245 cap.

See instructions with CD3090 above.

## THERMOMETERS

### CRT Accessories and Replacement Parts

PART# **CD3975** PKG QTY: 1

- LCD Read Out
- Swivel Head
- On-Off Switch, Hold Test Switch
- Spare Battery
- Temperature Range 58° - + 302 F°



## TUBE PIERCING ATTACHMENT



PART# **CD3090** PKG QTY: 1

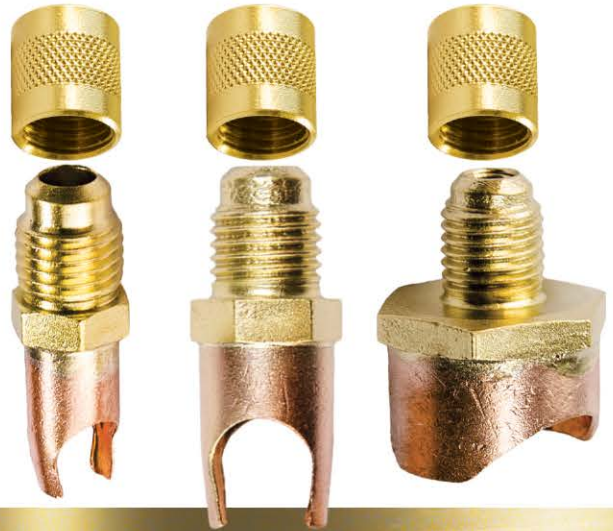
### Installation Instructions

1. Braze V-Series fitting onto line.
2. Attach main body of CRT to fitting.
3. Attach TPA to the CRT body, screw down needle to pierce hole in tubing until it bottoms out. It will not go through the other side of tube.
4. Pull back TPA handle. Shut off system with CRT shut off valve. Remove TPA from the CRT. Attach regular CRT rod with core. Open shut-off valve. Screw core into V fitting. Remove CRT.

## SPECIAL BRAZE-ON SERVICE VALVES

### V-Series

- 1/4" **CD3094** PKG QTY: 6
- 5/16" **CD3096** PKG QTY: 6
- 3/8" **CD3098** PKG QTY: 6
- 1/2" **CD3092** PKG QTY: 4
- 5/8" **CD3095** PKG QTY: 3
- 3/4" **CD3034** PKG QTY: 2
- 7/8" **CD3078** PKG QTY: 2
- 1-1/8" **CD3018** PKG QTY: 2



## REPLACEMENT PARTS



PART# **CD5555**  
PKG QTY: 1 Set

All the rings necessary to repair any CRT, except the ones in the chuck that grab the core stem.



PART# **CD5560** PKG QTY: 1

The shut-off stem with molded neoprene shut-off gland for CD3900 and CD3910. Brass stem knob, retaining nut and gland, all in one piece.



PART# **CD5577** PKG QTY: 1

The brass rod with chuck, rear end sealing nut, and knob, all in one piece.



# SUPERHEAT KITS



**PART# CD3970**  
**PKG QTY: 1**  
 Combines CD3910  
 and CD3975 thermometer



**PART# CD3990** PKG QTY: 1  
 With CD3930 BV-CRT and  
 CD3975 thermometer

# SERVICE KITS *The right parts for the job in convenient kits*



**Access Fitting Service Kit**  
 Part# **CD9510SVK** - case size 8.5 x 4.5"



**Appliance Service Kit**  
 Part# **CD9530SVK** - case size 8.5 x 4.5"



**Refrigeration Service Kit - 9560**  
 Part# **CD9560SVK** - case size 8.5 x 11"



**Refrigeration Service Kit - 9580**  
 Part# **CD9580SVK** - case size 8.5 x 11"



## SUPERHEAT

The Superheat Kit combines a Core Removal Tool (CRT) and thermometer to create the most reliable, accurate way to measure superheat.

Attach the CRT to an access fitting and remove the valve core, insert the digital thermometer through the fitting and directly measure the internal temperature.

Measure pressure at the same spot and use this information for determining superheat. The storage case is durable and lightweight, and instructions are included.

## SERVICE KITS

Handy refillable case with the most commonly used parts.

The right parts in one location.

*Highest quality parts made in the U.S.A.*



## CORE DEPRESSORS

These thumbscrew core depressors are designed to be used on the end of a charging hose. When attached to an access fitting, they can depress the valve core and control the flow of gas.

This also means the core can be shut off before disconnecting, thus avoiding a spit back on your hand. The seals in each part have broad compatibility with all refrigerants.

The CD2070 is unique in that it has an internal shut-off that also holds gas in the hose when disconnected.



PART# **CD2060** PKG QTY: 1  
For 1/4" male flares.

PART# **CD2050** PKG QTY: 1  
For 3/16" male flares.



PART# **CD2070** PKG QTY: 1  
For 1/4" male flares. Depresses valve core and controls flow. Back seats and retains gas in the house.



PART# **CD5050** PKG QTY: 1  
For 1/4" male flares. Made small for use in tight quarters.



PART# **CD2080** PKG QTY: 1  
5/16" F. flare compact thumbscrew core depressor.



PART# **CD5060** PKG QTY: 1  
5/16" F. flare compact thumbscrew core depressor.

## HOSE - END BALL VALVE



PART# **CD4040** PKG QTY: 1  
1/4" female flare swivel, depressor tip x 1/4" m. flare.

Reliable and easy to use, the body of this valve is constructed with the same durable design as our BV-CRT's. Install the CD4040 on the end of a charging hose and minimize refrigerant loss during servicing. A quarter turn of the handle makes quick work of shutting on and off. Straight flow through design offers maximum flow rate. The brass depressor tip fully engages valve core.

## "SURE SEAL" RETAINING COUPLERS

When attached to an access fitting, the "Sure Seal" Retaining Coupler automatically opens and depresses the valve core all in one action. When disconnected, it traps refrigerant in the charging hose. Leave it permanently installed on the end of the hose. The seals are compatible with newer refrigerants, and if internal parts need replacing, a parts kit is available.



PART# **CD2035** PKG QTY: 1  
1/4" female flare "Sure Seal" retainer x 1/4" male flare.



PART# **CD2094** PKG QTY: 1  
1/4" female flare retainer x 1/4" FPT.



PART# **CD2098** PKG QTY: 1  
1/4" female flare retainer x 1/8" FPT.



PART# **CD2090** PKG QTY: 1  
90° 1/4" female flare retainer x 1/4" male flare.



PART# **CD2084** PKG QTY: 1  
1/4" female flare retainer x 1/4" MPT.



PART# **CD2037** PKG QTY: 1  
1/4" female flare retainer x 3/8" male flare.



# ADAPTERS / COUPLERS



PART# **CD1414** PKG QTY: 2  
(CD2250 cap) 1/4" flare  
access x 1/4" MPT



PART# **CC1414** PKG QTY: 2  
(CD2245 cap)



PART# **CD1441** PKG QTY: 1  
1/4" flare access x 1/4"  
flare, valve core and flare  
nut included (no cap).



PART# **CD1818** PKG QTY: 6  
(CD2250 cap) 1/4" flare  
access x 1/8" MPT



PART# **CC1818** PKG QTY: 6  
(CD2245 cap)



PART# **CD1819** PKG QTY: 3  
(CD2250 cap) 1/4" flare  
access x 1/8" MPT, elbow,  
1/4" ID on MPT end.



PART# **CC1819** PKG QTY: 3  
(CD2245 cap)



PART# **CD2000** PKG QTY: 1  
1/4" female flare swivel  
x 1/4" male flare access.  
Depressor tip and seal,  
no valve core.



PART# **CD2010** PKG QTY: 1  
1/4" female flare swivel  
x 1/4" male flare access.  
90° configuration. Depressor  
tip and seal, no valve core.



PART# **CD2012** PKG QTY: 1  
1/4" female flare swivel  
x 1/2" male Acme.  
Depressor tip and seal.



PART# **CD2014** PKG QTY: 1  
1/4" female flare swivel  
x 1/4" male pipe thread.  
Depressor tip and seal.



PART# **CD2018** PKG QTY: 1  
1/4" female flare swivel  
x 1/8" male pipe thread.  
Depressor tip and seal.



PART# **CD2019** PKG QTY: 1  
1/4" female flare swivel  
x 1/8" female pipe threads.  
Depressor tip and seal.



PART# **CD2020** PKG QTY: 1  
1/4" female flare hex  
x 1/2" male Acme



PART# **CD2022** PKG QTY: 1  
3/8" female flare hex  
x 1/2" male Acme



PART# **CD2028** PKG QTY: 1  
1/2" Acme female swivel  
x 1/4" male flare.  
Depressor tip and seal.



PART# **CD2023** PKG QTY: 1  
1/4" female flare swivel  
x 3/8" male flare.  
Depressor tip and seal.



PART# **CD1441** PKG QTY: 1  
1/4" female flare x 1/4"  
female pipe threads.  
Depressor tip and seal.



PART# **CD2056** PKG QTY: 1  
5/16" female flare x 1/4"  
male flare adapter.

## AUTOMOTIVE



PART# **CD5013**  
PKG QTY: 1  
R134a retrofit adapter,  
straight low side stem  
(13MM) x 1/4" f. flare,  
blue cap.



PART# **CD5016**  
PKG QTY: 1  
R134a retrofit adapter  
straight high side stem  
(16MM) x 1/4" female  
flare, red cap.



PART# **CD5014** PKG QTY: 1  
Same as CD5036 except  
for 1/4" male flare.



PART# **CD5036** PKG QTY: 1  
1/4" adapter to 3/16" fittings  
(GM cars, for instance),  
contains depressor pin.



## TEE CONNECTORS



**PART# CD9601**  
**PKG QTY: 2**  
 1/4" male flare x 1/4" flare  
 nut with/depressor tip  
 x 1/4" male flare on the  
 branch with one valve core.



**PART# CD9621**  
**PKG QTY: 2**  
 Same as CD9601 but  
 without depressor tip.



**PART# CD9602**  
**PKG QTY: 2**  
 1/4" male flare with valve  
 core x 1/4" male flare x  
 1/4" female flare nut with  
 depressor tip on the branch.



**PART# CD9622**  
**PKG QTY: 2**  
 Same as CD9602 but  
 without depressor tip.



**PART# CD9603**  
**PKG QTY: 2**  
 All brass 1/4" female flare  
 nut with valve core x 1/4"  
 female flare nut with  
 depressor tip on the branch.



**PART# CD9623**  
**PKG QTY: 2**  
 1/4" male flare x 1/4"  
 male flare with two  
 valve cores but no caps.



**PART# CD9606**  
**PKG QTY: 2**  
 1/4" male flare access x 1/4"  
 male flare nut with  
 depressor tip on the  
 branch, cap and  
 valve core included.



**PART# CD9627**  
**PKG QTY: 2**  
 Same as CD9603 but  
 without depressor tip.



**PART# CD9611**  
**PKG QTY: 2**  
 Forged brass tee, 1/4" female  
 flare nut with depressor  
 tip x 1/4" male flare access  
 x 1/4" male flare access on  
 branch with one valve core.



**PART# CD9627**  
**PKG QTY: 2**  
 Same as CD9611 but  
 without depressor tip.

## FORGED ACCESS TEES

### All 1/4" Flares are Threaded for Valve Cores



**PART# CD9614** **PKG QTY: 2**  
 Forged brass tee, 1/4" MPT x 1/4"  
 m. flare x 1/4" m. flare on  
 branch, one  
 cap and valve core.



**PART# CD9615** **PKG QTY: 2**  
 Forged brass tee, 1/4" m. flare x 1/4"  
 m. flare x 1/4" MPT on  
 branch, one  
 cap and valve core.



**PART# CD9616** **PKG QTY: 2**  
 Forged brass tee, 1/4" m. flare x 1/8"  
 MPT x 1/4" m. flare on  
 branch,  
 one cap and valve core.



**PART# CD9620** **PKG QTY: 2**  
 Forged brass tee, 1/4" m. flare x 1/4"  
 m. flare x 1/8" MPT on  
 branch, one  
 cap and valve core.



# OTHER CONNECTORS



**PART# CD1446** PKG QTY: 1  
1/4" female swivel flare x 1/4" female swivel flare. No depressor tips.



**PART# CD2613**  
PKG QTY: 1  
Two 1/4" female connections with o-ring seals and 1/4" male flare (without core) at right angle for connecting needs.



**PART# CD1450**  
PKG QTY: 2  
1/4" male flare access x 1/4" f. flare adapter, with one valve core and copper gasket.



**PART# CD5044**  
PKG QTY: 1  
On the branch is a 1/4" male flare, no core, and the other end a 1/4" female flare swivel with an o-ring seal.



**PART# CD1454**  
PKG QTY: 2  
1/4" male flare swivel nut x 1/4" access with installed valve core, all brass tube has depressor tip.



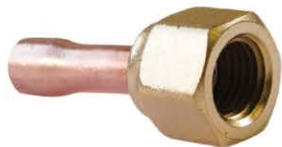
**PART# CD8725**  
PKG QTY: 2  
The CD8725 has a gasket in the 1/4" hex nut. The valve body is stationary. When threads of existing system fittings are stripped and a new core won't go in, use this. It has a core and no depressor tip.



**PART# CD2594** PKG QTY: 2  
A 1-1/4" piece of 1/4" copper tubing, double flared on one end with a 1/4" female flare nut and a depressed tip.



**PART# CD9640**  
PKG QTY: 1  
Two 1/4" male flares, one with core in a U shape. At the side is a 1/4" female flare with depressor tip.



**PART# CD2595** PKG QTY: 2  
The same as CD2594, only the end of the copper tube opposite the female flare has been swaged to allow 1/4" copper tube inserted for brazing.



**PART# CD9644**  
PKG QTY: 1  
Same as CD9640, with the addition of a 1/4" male flare opposite the 1/4" female flare.



**PART# CD2597** PKG QTY: 2  
The same as CD2594, only a 1/4" male flare fitting has been brazed on. A core may be inserted in the 1/4" male flare, but not provided. For special OEM needs, we can extend the copper tubing to any length.

***For specific OEM needs C&D Valve also manufactures custom components and assemblies***



# BLOWER WHEEL PULLER

## A Professional Tool

*Fast and easy! A simple method to remove blower wheel from shaft without damage to blower, blower motor or shaft.*



PART# **CD3505** PKG QTY: 1  
1-1/4" hub only



PART# **CD3515** PKG QTY: 1  
1-3/8" hub only



PART# **CD3525** PKG QTY: 1  
1-1/2" hub only



PART# **CD3535** PKG QTY: 1  
1-5/8" hub only



PART# **CD3555** PKG QTY: 3  
Set screw

PART# **CD3560** PKG QTY: 1  
Allen wrench - 5/32"



PART# **CD3570** PKG QTY: 1  
Blower wheel puller kit -  
contains all sizes

PART# **CD3540** PKG QTY: 1  
Drive bolt

PART# **CD3545** PKG QTY: 1  
Drive bolt and shank

PART# **CD3500** PKG QTY: 1  
Drive bolt, shank and 1-1/4" hub

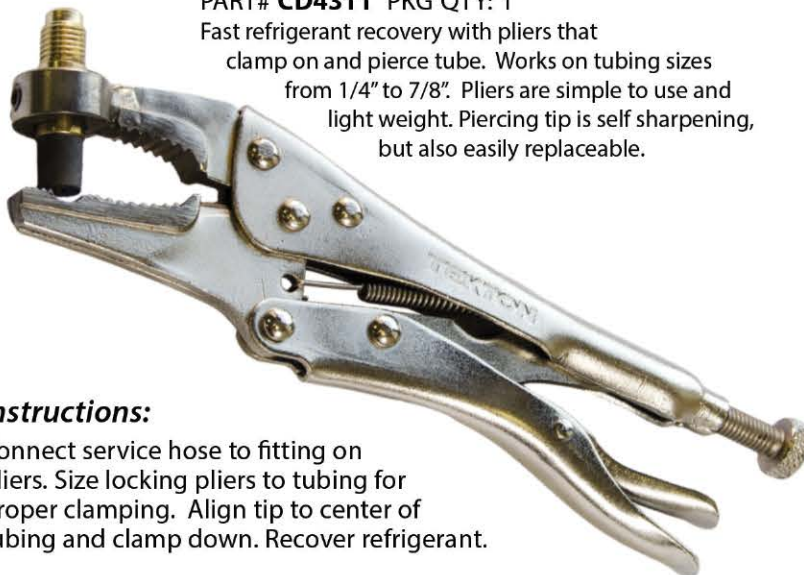
PART# **CD3510** PKG QTY: 1  
Drive bolt, shank and 1-3/8" hub

PART# **CD3520** PKG QTY: 1  
Drive bolt, shank and 1-1/2" hub

PART# **CD3530** PKG QTY: 1  
Drive bolt, shank and 1-5/8" hub



## "FASTAP" TUBE PIERCING PLIERS



PART# **CD4311** PKG QTY: 1  
Fast refrigerant recovery with pliers that clamp on and pierce tube. Works on tubing sizes from 1/4" to 7/8". Pliers are simple to use and light weight. Piercing tip is self sharpening, but also easily replaceable.

### Instructions:

Connect service hose to fitting on pliers. Size locking pliers to tubing for proper clamping. Align tip to center of tubing and clamp down. Recover refrigerant.



PART# **CD4314**  
PKG QTY: 1  
Replacement piercing tip.

PART# **CD4315** PKG QTY: 2  
Replacement gaskets for pliers.



## Refrigerant Locking Cap Driver

PART# **CD3830** PKG QTY: 1

**Your one tool to remove industry standard locking caps**



### Cap Driver Replacement Bits

PART# **CD3831** / Red - Novent

PART# **CD3832** / Green - Novent

PART# **CD3833** / Silver - C&D - Shield

*\* Novent is a registered trade mark of the Rector Seal Corporation and Shield is a registered trademark of JB Industries Inc.*

- 3 bits for access to C&D Valve, \*Novent and \*Shield Cap.
- 3 driver bits.
- Magnetic tip securely holds bits in place.
- Bits stored in handle for convenient access and storage.
- Compact design helps allow access in tight spots.

## Valve Core Torque Driver

PART# **CD3815** PKG QTY: 1

Calibrated to install standard refrigeration valve cores to 4-5 in-lbs. per ARI 720-2002.

Driver has torque “breakaway” feature that disengages the driver when the proper torque is reached. No need to listen for a “click”.

Driver torque in reverse is non-limiting. This allows for as much torque as necessary to remove difficult cores.



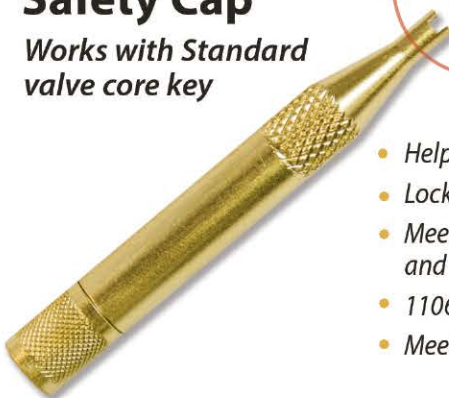
## Locking Refrigerant Safety Cap

**Works with Standard valve core key**



**Keep Refrigerant Where It Belongs...**

- Help Prevent Unauthorized Access
- Locks in place to prevent refrigerant loss
- Meets CMC (California Mechanical Code) and Title 24
- 1106.3.1 Refrigerant Service Ports
- Meets IMC 1101.10 and IRC M1411.6



### 1/4" Locking Caps

PART# **CD2290/2** PKG QTY: 2

PART# **CD2290/10** PKG QTY: 10

PART# **CD2290/50** PKG QTY: 50

### 5/16" Locking Caps

PART# **CD2295/2** PKG QTY: 2

PART# **CD2295/10** PKG QTY: 10

PART# **CD2295/50** PKG QTY: 50



## OIL TAP

PART# **CD1808** PKG QTY: 1

The Oil Tap is installed on a semi-hermetic compressor for the changing of oil and testing procedures. The internal pressure helps discharge the oil from the crankcase and acid tests can be made while the compressor is running. It allows the addition by vacuum or removal by pressure of oil while compressor is running. You can detect hazardous refrigerant pooling in the crankcase before start-up and control the removal using a compound gauge. The oil tap can be permanently installed.

## CAP TUBES

PART# **CD2540** PKG QTY: 1

Factory made double flare connection, used in such ways as an external equalizer tube on an expansion valve. 36" of copper tube with double flares on swivel on each end, no depressor tips.

PART# **CD2541** PKG QTY: 1

Same as CD2540, with a depressor tip on one end.

PART# **CD2542** PKG QTY: 1

Same as CD2540, with a depressor tip on each end.



PART# **CD2540**

## CORE CONTAINER / WRENCH



PART# **CD3813** PKG QTY: 1

Core container with wrench, all brass with knurl for easy handling, compact design holds three valve cores.

## CORE CHASER / WRENCH



PART# **CD3800** PKG QTY: 1

Two (2) tools - a core wrench and thread chaser. Comes with six (6) cores. Overall length is 3-1/2".



PART# **CD3805** PKG QTY: 10

Plastic tube container with six valve cores and one core wrench tool.

Only available in a display box of 10.



# CAPS

PKG QTY

<b>CD2210</b>	1/4" flare black glass-filled nylon cap with neoprene o-ring seal	25
<b>CD2213</b>	3/16" flare black glass-filled nylon cap with neoprene o-ring seal	6
<b>CD2214</b>	10mm - 1.25 black glass-filled nylon cap with neoprene o-ring seal	6
<b>CD2215</b>	1/4" flare black glass-filled nylon cap with retainer strap and neoprene o-ring seal	6
<b>CD2216</b>	12mm - 1.5 black glass-filled nylon cap with neoprene o-ring seal	6
<b>CD2217</b>	1/4" flare black glass-filled nylon cap with black retainer strap and neoprene o-ring seal	6
<b>CD2218</b>	3/8" flare black glass-filled nylon cap with black retainer strap and neoprene o-ring seal	6
<b>CD2220</b>	1/2" Acme black glass-filled nylon cap with neoprene o-ring seal.	6
<b>CD2221</b>	1/2" Acme black glass-filled nylon cap with retainer strap and neoprene o-ring seal	6
<b>CD2225S</b>	1/4" flare flex brass cap, use with M-Series line-cap valves or with copper gasket (CD0500) for metal to metal seal	6
<b>CD2225T</b>	1/4" flare flex brass cap, use with M-Series line-cap valves or with copper gasket (CD0500) for metal to metal seal	25
<b>CD2235</b>	1/4" flare heavy-duty hex brass cap with neoprene seal	6
<b>CD2245S</b>	1/4" flare heavy-duty round brass cap with neoprene o-ring seal	6
<b>CD2245T</b>	1/4" flare heavy-duty round brass cap with neoprene o-ring seal	25
<b>CD2250S</b>	1/4" flare heavy-duty round brass cap with core wrench tool and neoprene o-ring seal	6
<b>CD2250T</b>	1/4" flare heavy-duty round brass cap with core wrench tool and neoprene o-ring seal	25
<b>CD2255</b>	1/4" flare heavy-duty round brass cap with neoprene o-ring seal and security wire	6
<b>CD2260</b>	1/4" flare heavy-duty round brass cap with neoprene gasket seal	6
<b>CD2265</b>	1/4" flare round brass cap with neoprene o-ring seal, attached keeper chain to prevent loss of cap	6



# PARTS

PKG QTY

<b>CD0400</b>	1/4" flare forged nut (short)	5
<b>CD0500</b>	Copper gasket, for use with CD2225 cap	10
<b>CD2577</b>	1/4" flare hex nut.	6
<b>CD4460S</b>	Valve core with Teflon seal, tapered, positive-stop barrel	6
<b>CD4460T</b>	Valve core with Teflon seal, tapered, positive-stop barrel	25
<b>CD5038</b>	1/2" OD hose grommet for 3/8" charging hoses	6
<b>CD5161</b>	5/16" OD x 5/16" neoprene hose grommet	25
<b>CD5501</b>	Teflon o-ring seals for M-Series	25
<b>CD7466</b>	1/2" Acme lock nut for use with Acme bulkhead fittings	5



# O-RINGS

PKG QTY

<b>CD0066</b>	1/8" I D, 1/4" OD	10
<b>CD0077</b>	5/32" ID, 9/32" OD	CRT accessory tools, B-Series valves
<b>CD0099</b>	7/32" ID, 11/32" OD	CD5050 coupler
<b>CD0101</b>	1/4" ID, 3/8" OD	10
<b>CD0111</b>	5/16" ID, 7/16" OD	CRT, core depressor couplers
<b>CD1050</b>	5/32" ID, 11/32" OD	10
<b>CD1060</b>	3/16" ID, 3/8" OD	CD2223, CD2235, CD2250, CD2255 cap
<b>CD1070</b>	7/32" ID, 13/32" OD	CD2219, CD2245, CD2265 cap
<b>CD1090</b>	5/16" ID, 1/2" OD	CRT, core depressor couplers



# REPLACEMENT PARTS

PKG QTY

## Core Removal Tool

<b>CD5555</b>	O-rings necessary to repair a CRT except those contained in the chuck	1
<b>CD5560</b>	Shut-off them with molded neoprene gland, includes brass stem, knob, retaining nut and gland	1
<b>CD5577</b>	Brass rod and chuck, rear end sealing coupler and knob all in one piece	1

## "Sure Seal" Retaining Coupler

<b>CD5171</b>	Set repair kit containing o-rings, washer, valve depressor and springs	1
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CD 0099	21	CD 2094	14	CD 3090	12	CD 4311	18	CD 8427	7
CD 0101	21	CD 2098	14	CD 3095	12	CD 4314	18	CC 8427	7
CD 0111	21	CD 2120	9	CD 3096	12	CD 4315/2	18	CD 8428	7
CD 0400	21	CD 2140	9	CD 3098	12	CD 4358	9	CC 8428	7
CD 0410	NS	CD 2160	9	CD 2248	6	CD 4460S	21	CD 8429	7
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CD 1070	21	CD 2214	21	CD 3434	4	CD 5016	15	CC 8432	7
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CD 1212	5	CD 2217	21	CD 3500	18	CD 5044	17	CD 8438	7
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CC 1414	15	CD 2220	21	CD 3510	18	CD 5055	NS	CD 8458	7
CD 1428	NS	CD 2221	21	CD 3515	18	CD 5060	14	CC 8458	7
CD 1438	NS	CD 2225S	21	CD 3520	18	CD 5161	21	CD 8478	7
CD 1439	NS	CD 2225T	21	CD 3525	18	CD 5171	14, 21	CC 8478	7
CD 1440	NS	CD 2235	21	CD 3530	18	CD 5421	7	CD 8490	NS
CD 1441	15	CD 2243	6	CD 3535	18	CC 5421	7	CD 8504	7
CD 1444	NS	CD 2245S	21	CD 3540	18	CD 5501	21	CD 8505	7
CD 1446	17	CD 2245T	21	CD 3545	18	CD 5512	8	CD 8506	7
CD 1450	17	CD 2250S	21	CD 3555	18	CD 5514	8	CD 8725	17
CD 1454	17	CD 2250T	21	CD 3560	18	CD 5516	8	CD 9160	6
CD 1808	20	CD 2255	21	CD 3570	18	CD 5518	8	CD 9510SVK	13
CD 1818	15	CD 2260	21	CD 3600	4, 6	CD 5534	8	CD 9530SVK	13
CC 1818	15	CD 2265	21	CD 3602	4	CD 5538	8	CD 9560SVK	13
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CC 1819	15	CD 2595	17	CD 3604	4	CD 5558	8	CD 9601	16
CD 2000	15	CD 2380	9	CD 3605	5	CD 5560	12, 21	CD 9602	16
CD 2005	NS	CD 2500	6	CD 3606	5	CD 5577	12, 21	CD 9603	16
CD 2010	15	CD 2506	6	CD 3608	4	CD 5578	8	CD 9604	NS
CD 2012	15	CD 2525	5	CD 3619	5	CD 7465	6	CD 9605	NS
CD 2014	15	CD 2540	20	CD 3688	4, 21	CD 7466	21	CD 9606	16
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CD 2019	15	CD 2542	20	CD 3805	20	CD 8403	5	CD 9610	NS
CD 2020	15	CD 2576	6	CD 3813	20	CD 8404	5	CD 9611	16
CD 2022	15	CD 2577	21	CD 3815	19	CD 8405	5	CD 9614	16
CD 2027	NS	CD 2580	9	CD 3830	19	CD 8406	5	CD 9615	16
CD 2028	15	CD 2594	17	CD 3825	19	CD 8408	5	CD 9616	16
CD 2029	NS	CD 2597	17	CD 3900	11	CD 8412	7	CD 9616	16
CD 2030	NS	CD 2613	17	CD 3910	11	CC 8412	7	CD 9620	16
CD 2035	14	CD 2812	8	CD 3915	11	CD 8414	7	CD 9621	16
CD 2037	14	CD 2814	8	CD 3916	11	CC 8414	7	CD 9622	16
CD 2038	15	CD 2816	8	CD 3917	11	CD 8416	7	CD 9623	16
CD 2041	15	CD 2818	8	CD 3920	10	CC 8416	7	CD 9625	NS
CD 2050	14	CD 2834	8	CD 3930	10	CD 8416	7	CD 9626	16
CD 2060	14	CD 2838	8	CD 3956	10	CD 8420	7	CD 9627	16
CD 2070	14	CD 2878	8	CD 3970	13	CC 8420	7	CD 9628	16
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						CC 8425	7	CD 9644	17



# TERMS & CONDITIONS

**Orders** Orders are subject to written acceptance by C&D Valve, LLC, home office and are subject to strikes, accidents, delays by suppliers, and other causes beyond our control. Receipt of an order will be understood as acceptance of these terms and conditions unless specific agreement to the contrary has been made in writing prior to order placement.

## **\$50 Minimum Order**

**Prices** Prices shown apply to quantities on a single shipment to a single destination and do not include any sales tax which may apply. All prices are subject to change without notice and all shipments will be invoiced at prices in effect at time of shipment.

**Terms** Terms are 1% 10 days, net 30. 1-1/2 % per month (18% annum) service charge will apply to past due invoices.

**Freight** F.O.B. shipping point with freight allowed or prepaid via cheapest way on single order of \$600 or more to a single destination in the U.S.A. except Alaska and Hawaii. Shipments under \$600 are sent collect or prepaid and charged.

**Damages** Damages in transit are the responsibility of the carrier, and such claims should be filed with the carrier, not C&D Valve, LLC, as our responsibility ends upon receipt of the material by the carrier.

**Shortages** Claims for shortages must be made within 10 days of delivery.

**Returns** Returns will not be accepted without return authorization from home office.

**Warranty** Products sold by C&D Valve, LLC are warranted for a period of one year from date of shipment by C&D Valve, LLC and we limit this warranty to the repair, replacement, or credit at invoice price (our option) of products which in our opinion are defective due to defects in workmanship and/or materials. This express warranty is in lieu of and excludes all other warranties, guarantees and/or representations, express or implied, of C&D Valve, LLC and / or the manufacturer of such products who make NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

Technical information, recommendations and advice as to properties and usage of materials, design, installation and use of products, engineering and other matters are provided as an accommodation and are intended only as suggestions. Although they are believed to be accurate, based on C&D Valve's knowledge and experience, C&D Valve assumes no obligation or liability for any results obtained in their use or application, and they are not to be construed as establishing any warranty, express or implied. In no event shall C&D Valve be liable for claims for any damages whatsoever (whether direct, immediate, foreseeable, consequential, or special) suffered by buyer or anyone else arising out of any breach by C&D Valve, LLC. C&D Valve makes no warranty to those defined as consumers in the Magnuson-Moss Warranty - Federal Trade Commission Improvement Act.

**Warning** C&D Valve, LLC products are designed for use by technically trained Air Conditioning and Refrigeration Service Engineers only. Due to the high pressures encountered in these systems, plus the dangers due to the physical and chemical nature of refrigerants and oils present in the systems, misapplication could result in injury or death. C&D Valve, LLC expressly warns against the sale to or use of the products by other than professionally trained personnel. Safety goggles should always be worn when working with refrigerants. Contact with refrigerants may cause injury.

**Note** Design, specifications and materials are subject to change without notice.

Unless agreed in writing, these terms will constitute our entire obligation upon our acceptance of any order, regardless of the terms, stipulations, etc. in any request for quotations, or as may appear in any order form now or later submitted by the buyer.

**P.O. Box 13250, Oklahoma City, OK 73113 • 405.843.5621 • 800.654.9233 • FAX: 405.840.0443**

**Visit our website: [www.cdvalve.com](http://www.cdvalve.com) • [sales@cdvalve.com](mailto:sales@cdvalve.com)**





***The Leading Manufacturer  
of Small Valves***

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***C&D Valve has been providing quality American made tools and fittings  
to the air conditioning and refrigeration industry for over 45 years.***