

REFRIGERANT  
RECOVERY

C&D  
VALVE

## PRODUCT CATALOG

Valves & Fittings for the  
HVAC/R technician



part of ASPEN PUMPS GROUP

# C&D

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A US manufacturer of valves and fittings, C&D is a well-established business with a strong reputation in the HVAC/R sector. Established in 1967 in Oklahoma City, C&D continues to offer unrivalled product quality and service.

Acquired in 2023 by Aspen Pumps Group, a leading global manufacturer of air conditioning and refrigeration aftermarket products, C&D marks an important step in Aspen's US manufacturing and sales capabilities.

Investment in the C&D proposition is highlighted this year with an expanded and innovative product offer. Many of the products surpass current US market requirements, all of which are supported by a blue-chip national customer base and an established national sales network.

Thank you for your interest in our products  
for further information please get in touch...



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C&D Valve manufactures custom components and assemblies for both OEM and after-market applications. Let us know what you need regardless of the volume and we'll see what we can do for you.



# T-36 Series Premium Line Service Valves

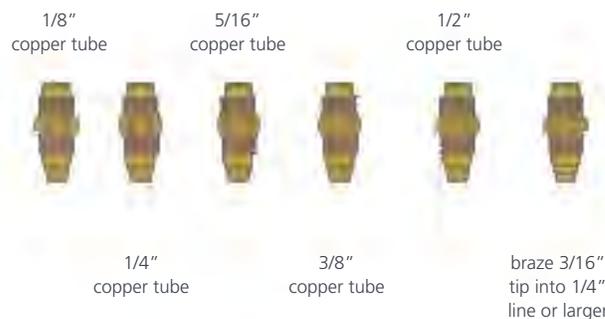
The T 36 Series comes with a CD2250 wrench cap, CD4460 valve core and is available in a variety of tube sizes. There are 1/8" male pipe threads below the hex. Material is CDA 360 brass and standard refrigeration tubing.

## KEY FEATURES

- The wrench cap is standard
- 1/8" pipe thread below the hex is standard on all but the CD3456—allows securing to a bulkhead with a lock nut
- 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 No. | BAG QTY | Description  |
|----------|---------|--|
| CD3434   | 6       | 3/16" copper tubing, 1/8" copper bushing, wrench cap and core               |
| CD3436   | 6       | 1/4" copper tubing, 3/16" copper bushing, wrench cap and core               |
| CD3456   | 6       | 5/16" copper tubing, 1/4" copper bushing, wrench cap and core               |
| CD3602   | 6       | 1/4" copper tubing, 3/16" and 1/8" copper bushings, wrench cap and core     |
| CD3603   | 6       | 3/16" copper tubing, wrench cap and core                                   |
| CD3604   | 6       | 1/4" copper tubing, wrench cap and core                                   |
| CD3608   | 6       | 1/8" copper tubing, wrench cap and core                                   |
| CD3600   | 6       | 1/8" ID, 3/16", 1/4", 5/16" steps 1/8" MPT below hex wrench cap and core  |
| CD3688   | 25      | Used with T36 Series, 2 lock nuts included with packaged access valves    |

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



# 36 LP Series

## Standard & Economy

### Line Service Valves

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".

#### 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
4. Replace cap



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VALVES

| Part No. | BAG QTY | Description  |
|----------|---------|--|
| CD1010   | 6       | 1/8" copper tubing, wrench cap and core                |
| CD1212   | 6       | 3/16" copper tubing, wrench cap and core               |
| CD2525   | 6       | 1/4" copper tubing, wrench cap and core                |
| CD3605   | 6       | 5/16" copper tubing, wrench cap and core               |
| CD3606   | 6       | 3/8" copper tubing, wrench cap and core                |
| CD3619   | 6       | 1/8" ID, 3/16", 1/4", 5/16" steps, wrench cap and core |

| Part No. | BAG QTY | Description                                     |
|----------|---------|---|
| CD8408   | 6       | 1/8" copper tubing, cap and core                |
| CD8403   | 6       | 3/16" copper tubing, wrench cap and core        |
| CD8404   | 6       | 1/4" copper tubing, cap and core                |
| CD8405   | 6       | 5/16" copper tubing, cap and core               |
| CD8406   | 6       | 3/8" copper tubing, cap and core                |
| CD8400   | 6       | 1/8" ID, 3/16", 1/4", 5/16" steps, cap and core |





# 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".

## INSTRUCTIONS

1. Prepare line and clean tube. Remove cap and pin. Flux or solder paste saddle and install on line. Heat and braze copper saddle.
2. Let cool and pressure test braze, if desired. Insert pin with PTFE 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.
3. 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.
4. When work is complete, replace cap, wrench tight for permanent use or install new cap with neoprene o-ring, thumb tight.

| Part No. | BAG QTY | Description                   |  |
|----------|---------|-------------------------------|--|
| CD5512   | 4       | Copper saddle for 1/2" line   |  |
| CD5518   | 2       | Copper saddle for 1-1/8" line |  |
| CD5534   | 2       | Copper saddle for 3/4" line   |  |
| CD5516   | 6       | Copper saddle for 5/16" line  |  |
| CD5558   | 3       | Copper saddle for 5/8" line   |  |
| CD5578   | 3       | Copper saddle for 7/8" line   |  |
| CD5514   | 6       | Copper saddle for 1/4" line   |  |
| CD5538   | 6       | Copper saddle for 3/8" line   |  |

# Brass-to-Brass Bot Stinger Braze-on Service Valves

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

## INSTALLATION INSTRUCTIONS

1. Press saddle onto line firmly (use pliers)
2. Apply flux and braze to line
3. Allow to cool
4. Screw body with core into saddle
5. Evacuate and charge system
6. Replace cap

| Brass-to-Brass Bot Stinger |         |                              |
|----------------------------|---------|------------------------------|
| Part No.                   | BAG QTY | Description                  |
| CD2814                     | 6       | Brass saddle for 1/4" line   |
| CD2816                     | 6       | Brass saddle for 5/16" line  |
| CD2838                     | 6       | Brass saddle for 3/8" line   |
| CD2812                     | 4       | Brass saddle for 1/2" line   |
| CD2834                     | 2       | Brass saddle for 3/4" line   |
| CD2878                     | 2       | Brass saddle for 7/8" line   |
| CD2818                     | 2       | Brass saddle for 1-1/8" line |



# B Series Clamp-on Service Valves

## KEY FEATURES

A line tap valve that is easy to use. Five individual sizes for special access jobs. Viton® gasket for heat extremes.

| Part No. | BAG QTY | Description            |
|----------|---------|------------------------|
| CD2140   | 2       | For 1/4" (6 mm) lines  |
| CD2160   | 2       | For 5/16" (8 mm) lines |
| CD2380   | 2       | For 3/8" (10 mm) lines |
| CD2120   | 2       | For 1/2" (12 mm) lines |
| CD2580   | 2       | For 5/8" (16 mm) lines |



1. Place aluminum channel on line. Insert aluminum slide into grooves on channel
2. Grip slide and channel with pliers. Place steel pin in body and screw into place
3. Holding grip on channel and slides, tighten steel housing – Unique torque action provides permanent clamp
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 No. | BAG QTY | Description   |
|----------|---------|---|
| CD4358   | 1       | Fits 1/2" (12 mm) and 5/8" (16 mm) tubes              |
| CD4338   | 1       | Fits 1/4" (6 mm), 5/16" (8 mm) and 3/8" (10 mm) tubes |

### TECH TIP

Clamp-on line tap valves are a quick and economical way to temporarily access a refrigerant system. After using line tap valves, installing a permanent access tee is recommended.



# Reversing Valves



| Part No.   | Reversing Valves      |
|------------|-----------------------|
| RV-02T5638 | 2 ton 5/16" & 3/8"    |
| RV-02T1238 | 2 ton 1/2" & 3/8"     |
| RV-02T3858 | 2 ton 3/8" & 5/8"     |
| RV-03T5818 | 3 ton 5/8" & 1/2"     |
| RV-06T3412 | 6 ton 3/4" & 1/2"     |
| RV-06T7812 | 6 ton, 7/8" & 1/2"    |
| RV-07T5878 | 7 ton 5/8" & 7/8"     |
| RV-10T7834 | 10 ton 7/8" & 3/4"    |
| RV-10T1834 | 10 ton 1 1/8" & 3/4"  |
| RV-10T1878 | 10 ton 1 1/8" & 7/8"  |
| RV-12T1838 | 12 ton 1 1/8 x 1 3/8" |

C&D Reversing Valves have been developed and tested as drop-in replacements for OEM equipment and are compatible with most common refrigerants and lubricants, including the higher-pressure refrigerants such as a R-410a and R-32.

- Safe working pressure: 650 psig
- Ambient operating temperature: -22°F to 250°F
- Work fluid temperature: -22°F to 122°F
- Coils available in multiple voltages, lead-wire or spade connections
- Certification: UL and CSA

## Reversing Valve Coils 24V AC and 120V AC Lead-wire and spade terminal

| Part No. | Description                   |
|----------|-------------------------------|
| LW-24V   | Lead wire coil 24V AC         |
| RVC-24V  | Coil 24V AC Spade Connection  |
| LW-120V  | Lead wire coil 120V AC        |
| RVC-120V | Coil 120V AC Spade Connection |



# Rotalock Solder Valve



C&D Rotalock valves offer unsurpassed reliability, flow rate and corrosion resistance. Manufactured from carbon steel with a stainless-steel spindle and 100% copper connector they are first zinc plated and then tin plated.

- High flow port design offering lower pressure drops.
- Double plated for the ultimate in corrosion resistance.
- Available in single and double access port configurations. (Single is standard)
- 100% copper connector on solder models.
- OEM customization available.
- Safe working pressure: 650psig
- Packed with a Teflon gasket.
- Certification: UL

| Part No.           | Description                             |
|--------------------|---|
| <b>RL-RCV-1434</b> | Rotalock Valve 1/4 ID x 3/4 R/L Nut     |
| <b>RL-RCV-3858</b> | Rotalock Valve 3/8 ID x 5/8 R/L Nut     |
| <b>RL-RCV-3834</b> | Rotalock Valve 3/8 ID x 3/4 R/L Nut     |
| <b>RL-RCV-1201</b> | Rotalock Valve 1/2 ID x 2 R/L Nut       |
| <b>RL-RCV-5801</b> | Rotalock Valve 5/8 ID x 1 R/L Nut       |
| <b>RL-RCV-5814</b> | Rotalock Valve 5/8 ID x 1/4 R/L Nut     |
| <b>RL-RCV-7814</b> | Rotalock Valve 7/8 ID x 1/4 R/L Nut     |
| <b>RL-RCV-1814</b> | Rotalock Valve 1 1/8 ID x 1 1/4 R/L Nut |
| <b>RL-RCV-1834</b> | Rotalock Valve 1 1/8 ID x 1 3/4 R/L Nut |
| <b>RL-RCV-1384</b> | Rotalock Valve 1 3/8 ID x 1 3/4 R/L Nut |
| <b>RL-RCV-5834</b> | Rotalock Valve 1 5/8 ID x 1 3/4 R/L Nut |
| <b>RL-RCV-5824</b> | Rotalock Valve 1 5/8 ID x 2 1/4 R/L Nut |

# Rotalock Valve Flare

| Part No.             | Description                                       |
|----------------------|---|
| <b>RL-MF-1434</b>    | Rotalock Valve 1/4 Flare x 3/4 R/L                |
| <b>RL-MF-3834-NA</b> | Rotalock Valve 3/8 Flare x 3/4 R/L Nut- No Access |
| <b>RL-MF-3834</b>    | Rotalock Valve 3/8 Flare x 3/4 R/L Nut            |
| <b>RL-MF-1201</b>    | Rotalock Valve 1/2 Flare x 1 R/L Nut              |



# Capped Line Valve

C&D Line valves offer unsurpassed reliability and corrosion resistance. Manufactured from carbon steel with a stainless-steel spindle and 100% copper connector they are first zinc plated and then tin plated.

- Double plated for the ultimate in corrosion resistance.
- Access port fitted with Schrader valve.
- Safe working pressure: 650psig
- OEM customization available.
- Certification: UL

| Part No.         | Description   |
|------------------|---|
| <b>RL-CLV-14</b> | Double plated steel Capped Line Valve c/w Access - 1/4 ID |
| <b>RL-CLV-38</b> | Double plated steel Capped Line Valve c/w Access - 3/8 ID |
| <b>RL-CLV-12</b> | Double plated steel Capped Line Valve c/w Access - 1/2 ID |
| <b>RL-CLV-58</b> | Double plated steel Capped Line Valve c/w Access - 5/8 ID |
| <b>RL-CLV-78</b> | Capped Line Valve c/w Access - 7/8 ID..                   |



# 84 TS Series Copper Access Tees



The 84 TS Series offers two styles of copper access tees in tubing sizes 1/4" to 1-1/8". Copper Tees allow connection at each end and require less solder 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.

## 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

| Part No. | BAG QTY | Description                                    |  |
|----------|---------|--|--|
| CD8414   | 2       | For 1/4" copper tube                           |  |
| CD8416   | 2       | For 5/16" copper tube                          |  |
| CD8438   | 2       | For 3/8" copper tube                           |  |
| CD8412   | 2       | For 1/2" copper tube                           |  |
| CD8458   | 2       | For 5/8" copper tube                           |  |
| CD8434   | 2       | For 3/4" copper tube                           |  |
| CD8478   | 2       | For 7/8" copper tube                           |  |
| CD8420   | 2       | 1/4" x 3" tube, expanded to 1/4" ID on one end |  |
| CD8425   | 2       | 5/16" x 3" tube, expanded to 5/16" on one end  |  |
| CD8426   | 2       | 3/8" x 3" tube, expanded to 3/8" ID on one end |  |

| Part No. | BAG QTY | Description                                    |  |
|----------|---------|--|--|
| CD8427   | 2       | 1/2" x 3" tube, expanded to 1/2" ID on one end |  |
| CD8428   | 1       | 5/8" x 3" tube, expanded to 5/8" ID on one end |  |
| CD8429   | 1       | 3/4" x 3" tube, expanded to 3/4" ID on one end |  |
| CD8431   | 1       | 7/8" x 3" tube, expanded to 3/4" ID on one end |  |

| Part No. | BAG QTY | Description                   |  |
|----------|---------|-------------------------------|--|
| CD5421   | 2       | 5/16" x 2" refrigeration tube |  |
| CD8505   | 2       | 5/16" ID and 3/8" OD          |  |
| CD8506   | 2       | 3/8" ID and 1/2" OD           |  |

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



# Tee Connections

## KEY FEATURES

All brass and copper tees come in several different configurations with regard to valve cores, caps and valve depressors. C&D Customer Service can help you find the right tee for the right application.



| Part No. | BAG QTY | Description   |
|----------|---------|---|
| CD9601   | 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    |
| CD9602   | 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   |
| CD9603   | 2       | All brass 1/4" female flare nut with valve core x 1/4" female flare nut with depressor tip on the branch   |
| CD9606   | 2       | 1/4" male flare access x 1/4" male flare nut with depressor tip on the branch, cap and valve core included   |
| CD9611   | 2       | Forged brass tee, 1/4" female flare nut with depressor tip x 1/4" male flare access x 1/4" male flare access x 1/4" male flare access on branch with one valve core  |
| CD9621   | 2       | Same as CD9601 but without depressor tip   |
| CD9622   | 2       | Same as CD9602 but without depressor tip   |
| CD9623   | 2       | 1/4" male flare x 1/4" male flare with two valve cores but no caps   |
| CD9627   | 2       | Same as CD9603 but without depressor tip   |
| CD9628   | 2       | Same as CD9611 but without depressor tip   |

## Forged Access Tees

| Part No. | PKG QTY | Description  |
|----------|---------|--|
| CD9614   | 2       | Forged brass tee, 1/4" MPT x 1/4" male flare x 1/4" male flare on branch, one cap and valve core  |
| CD9616   | 2       | Forged brass tee, 1/4" male flare x 1/8" MPT x 1/4" male flare on branch, one cap and valve core  |
| CD9620   | 2       | Forged brass tee, 1/4" male flare x 1/4" male flare x 1/8" MPT on branch, one cap and valve core  |

All 1/4" Flares are threaded for valve cores

NEW

# Rotalock Straight Connector

| Part No.          | Description  |
|-------------------|--|
| <b>RL-SC-1401</b> | Rotalock Straight Connector - 1/4 ID x 1 R/L Nut       |
| <b>RL-SC-3834</b> | Rotalock Straight Connector - 3/8 ID x 3/4 R/L Nut     |
| <b>RL-SC-1201</b> | Rotalock straight connector - 1/2 ID x 1 R/L Nut       |
| <b>RL-SC-5801</b> | Rotalock Straight Connector - 5/8 ID x 1 R/L Nut       |
| <b>RL-SC-7801</b> | Rotalock Straight Connector - 7/8 ID x 1 R/L Nut       |
| <b>RL-SC-7814</b> | Rotalock Straight Connector - 7/8 ID x 1-1/4 R/L Nut   |
| <b>RL-SC-1814</b> | Rotalock Straight Connector - 1-1/8 ID x 1-1/4 R/L Nut |
| <b>RL-SC-1834</b> | Rotalock Straight Connector - 1-1/8 ID x 1-3/4 R/L Nut |
| <b>RL-SC-1384</b> | Rotalock Straight Connector - 1 3/8 ID x 1 3/4 R/L Nut |



NEW

# Rotalock Elbow Connector

| Part No.          | Description   |
|-------------------|---|
| <b>RL-EC-3834</b> | Rotalock Elbow Connector - 3/8 ID x 3/4 R/L Nut     |
| <b>RL-EC-1201</b> | Rotalock Elbow Connector - 1/2 ID x 1 R/L Nut       |
| <b>RL-EC-5801</b> | Rotalock Elbow Connector - 5/8 ID x 1 R/L Nut       |
| <b>RL-EC-5814</b> | Rotalock Elbow Connector - 5/8 ID x 1 1/4 R/L nut   |
| <b>RL-EC-3401</b> | Rotalock Elbow Connector - 3/4D x 1 R/L Nut         |
| <b>RL-EC-7801</b> | Rotalock Elbow Connector - 7/8D x 1 R/L Nut         |
| <b>RL-EC-7814</b> | Rotalock Elbow Connector - 7/8 ID x 1 1/4 R/L Nut   |
| <b>RL-EC-1814</b> | Rotalock Elbow Connector - 1-1/8 ID x 1-1/4 R/L Nut |
| <b>RL-EC-1834</b> | Rotalock Elbow Connector - 1-1/8 ID x 1-3/4 R/L Nut |
| <b>RL-EC-5824</b> | Rotalock Elbow connector - 1 5/8 ID x 2 1/4 R/L nut |



# Brass Access Bodies



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.

| Standard Flare |         |  |  |
|----------------|---------|--|--|
| Part No.       | BAG QTY | Description  |  |
| CD1200         | 6       | 3/16" ID, 1/4", 5/16" OD steps                         |  |
| CD2500         | 6       | 1/4" ID, 1/4", 5/16" OD steps                          |  |
| CD2506         | 6       | 1/4" ID, 3/8" OD step                                  |  |
| CD3338         | 6       | 3/16" ID, 1/4", 3/8" OD steps                          |  |
| CD3346         | 6       | 1/4" ID, 3/8", 7/16" OD steps                          |  |
| CD3358         | 6       | 5/16" ID, 1/2" OD step                                 |  |
| CD3368         | 6       | 3/8" ID, 1/2" OD step                                  |  |
| CD4545         | 6       | 9/32" ID, 1/4" OD step                                 |  |
| CD5055         | 6       | 7/32" ID, 5/16" OD step                                |  |
| CD9160         | 6       | Flare 9/16" long, hex 7/16" deep, 1/4" OD step         |  |
| CD8400         | 6       | 1/8" ID, 3/16", 1/4", 5/16" steps, CD2245 cap and core |  |

| Bulkhead |         |   |  |
|----------|---------|---|--|
| Part No. | BAG QTY | Description   |  |
| CD2243   | 6       | Flare length extended to 3/4", solder end - 1/8" ID, 3/16", 1/4", 5/16" OD steps and CD2217 cap |  |
| CD2576   | 6       | Flare length extended to 5/8", solder end - 1/4" ID, 11/32" OD                                  |  |
| CD3600   | 6       | 1/8" ID, 3/16", 1/4", 5/16", steps, 1/8" MPT below hex wrench cap and core                      |  |

# BV-CRT Ball Valve Core Removal Tools

## 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

## KEY FEATURES

- The original CRT has been improved with a ball valve design
- 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)
- Measuring system pressure by attaching a gauge to the side port of CD3930



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



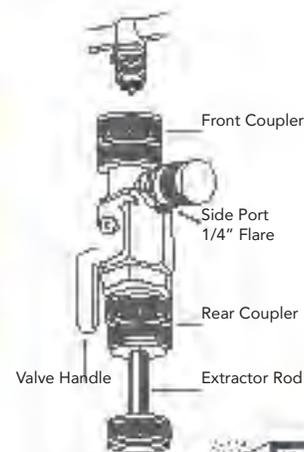
Works with existing CRT accessories



More convenient to use

| Part No.      | BAG QTY | Description                       |
|---------------|---------|-----------------------------------|
| <b>CD3975</b> | 1       | Internal Temperature Thermometers |
| <b>CD3916</b> | 1       | Thread Chaser                     |
| <b>CD3915</b> | 1       | Pick                              |
| <b>CD5577</b> | 1       | Extractor Rod                     |

| Part No.      | BAG QTY | Description  |
|---------------|---------|--|
| <b>CD3920</b> | 1       | BV-CRT for 1/4" flare connections    |
| <b>CD3930</b> | 1       | BV-CRT for 1/4" flare connections and has 1/4" male flare side access port   |
| <b>CD3956</b> | 1       | BV-CRT for 5/16" flare connections and has 1/4" male flare side access port  |



# Core Removal Tools



## KEY FEATURES

- All accessory tools are compatible with CD3900, CD3910, CD3920, CD3930, and CD3956
- 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.
- Tube Piercing Attachment

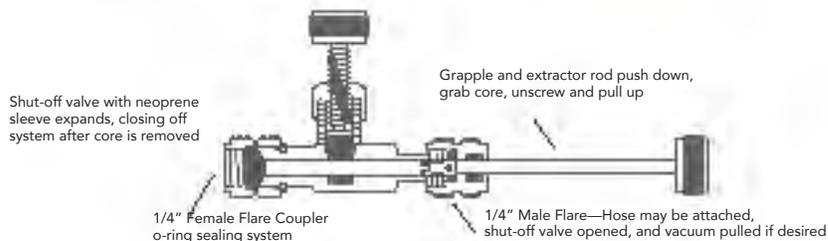
## INSTRUCTIONS

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
5. Shut off system with CRT shut off valve
6. Remove TPA from the CRT
7. Attach regular CRT rod with core
8. Open shut-off valve, screw core into V fitting and remove CRT

### TECH TIP

Have damaged threads or a broken valve core? Try our CRT thread chaser – available individually or as a kit.

| Part No. | BAG QTY | Description  |
|----------|---------|--|
| CD3090   | 1       | Tube piercing attachment punches a hole in copper tubing through a V-Series fitting for the installation of a core without loss of refrigerant  |
| CD3910   | 1       | Our original 1/4" flare thumb screw shut-off core removal tool – has 1/4" male flare side access port with brass cap                            |
| CD5577   | 1       | Valve core grapple and extractor – removes core without loss of refrigerant    |
| CD3900   | 1       | Same as the CD3910 except with no side port – Works with all accessories    |
| CD3916   | 1       | A thread chaser to clean and align the internal threads of an access fitting    |
| CD3917   | 1       | CD3915 and CD3916 together as a kit   |
| CD3915   | 1       | A pick to extract a broken core from a housing without loss of refrigerant – has left hand threads    |



# Thermometer

## Core Removal Tool Accessory



### KEY FEATURES

- LCD read out
- Swivel Head
- On/off switch, hold test switch
- Spare battery
- Temperature range: -58°F (-50°C) to +302°F (150°C)

| Description | Part No.      | BAG QTY |
|-------------|---------------|---------|
| Thermometer | <b>CD3975</b> | 1       |

# Braze-In Service Valves

## Core Removal Tool Accessory



### KEY FEATURES

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.

| Description | Part No.      | BAG QTY |
|-------------|---------------|---------|
| 1/4"        | <b>CD3094</b> | 6       |
| 5/16"       | <b>CD3096</b> | 6       |
| 3/8"        | <b>CD3098</b> | 6       |
| 1/2"        | <b>CD3092</b> | 4       |
| 5/8"        | <b>CD3095</b> | 3       |
| 3/4"        | <b>CD3034</b> | 2       |
| 7/8"        | <b>CD3078</b> | 2       |
| 1-1/8"      | <b>CD3018</b> | 2       |



# Core Depressors

## KEY FEATURES

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 No. | BAG QTY | Description   |   |
|----------|---------|---|---|
| CD2060   | 1       | For 1/4" Male flares  |    |
| CD2050   | 1       | For 3/16" Male flares                                       |    |
| CD2070   | 1       | 1/4" Female flare compact thumbscrew core depressor         |    |
| CD5050   | 1       | For 1/4" male flares – made small for use in tight quarters |   |
| CD2080   | 1       | 5/16" Female flare compact thumbscrew core depressor        |  |
| CD5060   | 1       | 5/16" Female flare compact thumbscrew core depressor        |  |

# Hose-End Ball Valve

## KEY FEATURES

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.

| Part No. | BAG QTY | Description   |   |
|----------|---------|---|---|
| CD4040   | 1       | 1/4" Female flare swivel, depressor tip x 1/4" male flare |  |

# Superheat Kits

## KEY FEATURES

Superheat Kits combine 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; instructions included.



| Description   | Part No.      | BAG QTY |
|---------------|---------------|---------|
| Superheat Kit | <b>CD3970</b> | 1       |

Combines CD3910 and CD3975 thermometer



| Description   | Part No.      | BAG QTY |
|---------------|---------------|---------|
| Superheat Kit | <b>CD3990</b> | 1       |

With CD3930 BV-CRT and CD3975 thermometer

# Service Kits

## KEY FEATURES

- Handy refillable case with the most commonly used parts
- The right parts in one location
- Highest quality parts made in the USA

| Part No.         | Description                      | Case Size  |
|------------------|----------------------------------|------------|
| <b>CD9510SVK</b> | Access Fitting Service Kit       | 8.5 x 4.5" |
| <b>CD9530SVK</b> | Appliance Service Kit            | 8.5 x 4.5" |
| <b>CD9560SVK</b> | Refrigeration Service Kit - 9560 | 8.5 x 11"  |
| <b>CD9580SVK</b> | Refrigeration Service Kit - 9580 | 8.5 x 11"  |



CD9510SVK



CD9530SVK



CD9560SVK



CD9580SVK

# Sure Seal™ Retaining Couplers



## KEY FEATURES

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.

- Premium line of Sure Seal™
- Couplers come in a variety of configurations to handle most applications.
- The CD5171 Sure Seal™ kit contains replacement components reducing the need to buy new couplers.

| Part No. | BAG QTY | Description  |
|----------|---------|--|
| CD2035   | 1       | 1/4" Female flare retainer x 1/4" male flare        |
| CD2037   | 1       | 1/4" Female flare retainer x 3/8" male flare       |
| CD2084   | 1       | 1/4" Female flare retainer x 1/4" MPT             |
| CD2090   | 1       | 90° 1/4" Female flare retainer x 1/4" male flare  |
| CD2094   | 1       | 1/4" Female flare retainer x 1/4" FTP             |
| CD2098   | 1       | 1/4" Female flare retainer x 1/8" FTP             |

# Adapters / Couplers & Automotive



## KEY FEATURES

C&D Valve adapters and couplers are 100% manufactured in the USA with either forged or machining brass. Couplers and adapters can be used in a wide range of applications. Contact Customer Service if you have specific needs for your application.

| Part No. | BAG QTY | Description   |  |
|----------|---------|---|--|
| CD1414   | 2       | (CD2250 cap) 1/4" flare access x 1/4" MPT   |  |
| CC1414   | 2       | (CD2245 cap)  |  |
| CD1441   | 1       | 1/4" flare access x 1/4" flare, valve core and flare nut included (no cap)                                  |  |
| CD1818   | 6       | (CD2250 cap) 1/4" flare access x 1/8" MPT   |  |
| CC1818   | 6       | (CD2245 cap)  |  |
| CD1819   | 3       | (CD2250 cap) 1/4" flare access x 1/8" MPT, elbow, 1/4" ID on MPT end  |  |
| CC1819   | 3       | (CD2245 cap)  |  |
| CD2000   | 1       | 1/4" female flare swivel x 1/4" male flare access, depressor tip and seal, no valve core                    |  |
| CD2010   | 1       | 1/4" female flare swivel x 1/4" male flare access, 90° configuration, depressor tip and seal, no valve core |  |
| CD2012   | 1       | 1/4" female flare swivel x 1/2" male Acme, depressor tip and seal   |  |

| Part No. | BAG QTY | Description   |  |
|----------|---------|---|--|
| CD2014   | 1       | 1/4" female flare swivel x 1/4" male pipe thread, depressor tip and seal    |  |
| CD2018   | 1       | 1/4" female flare swivel x 1/8" male pipe thread, depressor tip and seal    |  |
| CD2019   | 1       | 1/4" female flare swivel x 1/8" female pipe threads, depressor tip and seal |  |
| CD2020   | 1       | 1/4" female flare hex x 1/2" male Acme                                      |  |
| CD2022   | 1       | 3/8" female flare hex x 1/2" male Acme                                      |  |
| CD2028   | 1       | 1/2" Acme female swivel x 1/4" male flare, depressor tip and seal           |  |
| CD2041   | 1       | 1/4" female flare x 1/4" female pipe threads, depressor tip and seal        |  |
| CD2056   | 1       | 5/16" female flare x 1/4" male flare adapter                                |  |

| Part No. | BAG QTY | Description  |  |
|----------|---------|--|--|
| CD5013   | 1       | R134a retrofit adapter, straight low side stem (13 mm) x 1/4" female flare, and blue cap |  |
| CD5016   | 1       | R134a retrofit adapter straight high side stem (16 mm) x 1/4" female flare, and red cap  |  |
| CD5014   | 1       | Same as CD5036 except for 1/4" male flare  |  |
| CD5036   | 1       | 1/4" adapter to 3/16" fittings, contains depressor pin                                   |  |

# Blower Wheel Pullers

Fast and easy! A simple method to remove blower wheel from shaft without damage to blower, blower motor or shaft. Unique hub design provides the perfect fit for most blower wheels allowing maximum torque for stubborn hard to remove wheels.



| Part No. | BAG QTY | Description  |
|----------|---------|--|
| CD3505   | 1       | 1-1/4" hub only       |
| CD3515   | 1       | 1-3/8" hub only       |
| CD3525   | 1       | 1-1/2" hub only      |
| CD3535   | 1       | 1-5/8" hub only     |
| CD3555   | 3       | Set screw           |
| CD3560   | 1       | 5/32" Allen wrench  |

| Part No. | BAG QTY | Description                                 |
|----------|---------|---|
| CD3570   | 1       | Blower wheel puller kit; contains all sizes |
| CD3540   | 1       | Drive bolt                                  |
| CD3545   | 1       | Drive bolt and shank                        |
| CD3500   | 1       | Drive bolt, shank and 1-1/4" hub            |
| CD3510   | 1       | Drive bolt, shank and 1-3/8" hub            |
| CD3520   | 1       | Drive bolt, shank and 1-1/2" hub            |
| CD3530   | 1       | Drive bolt, shank and 1-5/8" hub            |

# Fastap™ Tube Piercing Pliers

| Part No. | BAG QTY | Description  |
|----------|---------|--|
| CD4311   | 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. |
| CD4314   | 1       | Replacement piercing tip   |
| CD4315   | 2       | Replacement gaskets for pliers   |



## INSTRUCTIONS

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

# Locking Caps and Keys

## REFRIGERANT LOCKING CAP DRIVER

- Your one tool to remove industry standard locking caps
  - 3 bits for access to C&D Valve, Novent and Shield® Cap\*
  - Magnetic tip securely holds bits in place
  - Bits stored in handle for convenient access and storage
  - Compact design helps allow access in tight spots
- \* Novent is a registered trade mark of the Rector Seal Corporation;  
Shield is a registered trademark of JB Industries Inc.

### Put safety first with refrigerant locking caps and keys

Need to remove industry standard locking caps? Try our 3-in-1 refrigerant locking driver and eliminate the need to carry three different keys. Locking caps help in the prevention of refrigerant theft, leaks to the environment, and serious injury or death resulting from the inhalation of dangerous refrigerants.



|        |   |
|--------|---|
| CD3830 | 1 |
|--------|---|

#### Cap Driver Replacement Bits

| Part No. | Description            |
|----------|------------------------|
| CD3831   | Red - Novent®          |
| CD3832   | Green - Novent®        |
| CD3833   | Silver - C&D - Shield® |

## VALVE CORE TORQUE DRIVER

- Calibrated to install standard refrigeration valve cores to 4 to 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.



|        |   |
|--------|---|
| CD3815 | 1 |
|--------|---|

## LOCKING REFRIGERANT SAFETY CAP KEY FEATURES

- Works with standard valve core key
- 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 No.  | BAG QTY |
|-----------|---------|
| CD2290/2  | 2       |
| CD2290/10 | 10      |
| CD2290/50 | 50      |

### 5/16" Locking Caps

| Part No.  | BAG QTY |
|-----------|---------|
| CD2295/2  | 2       |
| CD2295/10 | 10      |
| CD2295/50 | 50      |



# Oil Tap & Cap Tubes



## OIL TAP

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. 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.

CD1808

1

## CAP TUBES

| Part No. | BAG QTY | Description   |
|----------|---------|---|
| CD2540   | 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, and no depressor tips |
| CD2541   | 1       | Same as CD2540, with a depressor tip on one end   |
| CD2542   | 1       | Same as CD2540, with a depressor tip on each end  |



### TECH TIP

Always install a new valve core when finished servicing a system. Installing a new valve core is your best method in preventing access fitting leaks.

## CORE CONTAINER | WRENCH

| Part No. | BAG QTY | Description  |
|----------|---------|--|
| CD3813   | 1       | Core container with wrench, all brass with knurl for easy handling, compact design holds three valve cores   |
| CD3805   | 10      | Plastic tube container with six valve cores and one core wrench tool – only available in a display box of 10 |



## CORE CHASER | WRENCH

| Part No. | BAG QTY | Description  |
|----------|---------|--|
| CD3800   | 1       | Two (2) tools - a core wrench and thread chaser, comes with six (6) cores and overall length is 3-1/2" |



# Parts, O-Rings & Replacement Parts

From caps to grommets to valve cores, C&D Valve has all the access fitting replacement parts you need to finish the job. Contact Customer Service for assistance in finding the right component for your job.



| Part No. | BAG QTY | Description   |
|----------|---------|---|
| CD2210   | 25      | 1/4" Flare black glass-filled nylon cap with neoprene o-ring seal   |
| CD2214   | 6       | 10 mm - 1.25 black glass-filled nylon cap with neoprene o-ring seal   |
| CD2215   | 6       | 1/4" Flare black glass-filled nylon cap with retainer strap and neoprene o-ring seal                                |
| CD2217   | 6       | 1/4" Flare black glass-filled nylon cap with black retainer strap and neoprene o-ring seal                          |
| CD2220   | 6       | 1/2" Acme black glass-filled nylon cap with neoprene o-ring seal  |
| CD2225S  | 6       | 1/4" Flare flex brass cap, use with M Series line-cap valves or with copper gasket (CD0500) for metal to metal seal |
| CD2225T  | 25      | 1/4" Flare flex brass cap, use with M Series line-cap valves or with copper gasket (CD0500) for metal to metal seal |
| CD2235   | 6       | 1/4" Flare heavy-duty hex brass cap with neoprene o-ring seal   |
| CD2245S  | 6       | 1/4" Flare heavy-duty round brass cap with neoprene o-ring seal   |
| CD2245T  | 24      | 1/4" Flare heavy-duty round brass cap with neoprene o-ring seal   |
| CD2250S  | 6       | 1/4" Flare heavy-duty round brass cap with core wrench tool and neoprene o-ring seal                                |
| CD2250T  | 25      | 1/4" Flare heavy-duty round brass cap with core wrench tool and neoprene o-ring seal                                |
| CD2255   | 6       | 1/4" Flare heavy-duty round brass cap with neoprene o-ring seal and security wire                                   |
| CD2260   | 6       | 1/4" Flare heavy-duty round brass cap with neoprene gasket seal   |
| CD2265   | 6       | 1/4" Flare round brass cap with neoprene gasket o-ring seal, attached keeper chain to prevent loss of cap           |


**CD2215**
**CD2217**
**CD2225S**
**CD2235**
**CD2250**
**CD2245**
**CD2255**
**CD2260**
**CD2265**

# Parts, O-Rings & Replacement Parts

From caps to grommets to valve cores, C&D Valve has all the access fitting replacement parts you need to finish the job. Contact Customer Service for assistance in finding the right component for your job.

| Caps     |         |  |
|----------|---------|--|
| Part No. | BAG QTY | Description  |
| CD0400   | 5       | 1/4" Flare forged nut (short)                            |
| CD0500   | 10      | Copper gasket, for use with CD2225 cap                   |
| CD2577   | 6       | 1/4" Flare hex nut                                       |
| CD4460S  | 6       | Valve core with PTFE seal, tapered, positive stop barrel |
| CD4460T  | 25      | Valve core with PTFE seal, tapered, positive stop barrel |
| CD5038   | 6       | 1/2" OD hose grommet for 3/8" charging hoses             |
| CD5161   | 25      | 5/16" OD x 5/16" neoprene hose grommet                   |
| CD5501   | 25      | PTFE o-ring seals for M Series                           |

| O-Rings  |         |   |
|----------|---------|---|
| Part No. | BAG QTY | Description   |
| CD0066   | 10      | 1/8" ID, 1/4" OD                                      |
| CD0077   | 10      | 5/32" ID, 9/32" OD                                    |
| CD0099   | 10      | 7/32" ID, 11/32" OD                                   |
| CD0101   | 10      | 1/4" ID, 3/8" OD                                      |
| CD0111   | 10      | 5/16" ID, 7/16" OD, CRT, core depressor couplers      |
| CD1050   | 10      | 5/32" ID, 11/32" OD                                   |
| CD1060   | 10      | 3/16" ID, 3/8" OD, CD2223, CD2235, CD2250, CD2255 cap |
| CD1070   | 10      | 7/32" ID, 13/32" OD, CD2219, CD2245, CD2265 cap       |
| CD1090   | 10      | 5/16" ID, 1/2" OD, CRT, core depressor couplers       |

| Replacement Parts |         |   |
|-------------------|---------|---|
| Part No.          | BAG QTY | Description   |
| CD5555            | 1       | Core Removal Tool: O-rings necessary to repair a CRT except those contained in the chuck                        |
| CD5560            | 1       | Core Removal Tool: Shut-off them with molded neoprene gland, includes brass stem, knob, retaining nut and gland |
| CD5577            | 1       | Core Removal Tool: Brass rod and chuck, rear end sealing coupler and knob all in one piece                      |
| CD5171            | 1       | Sure Seal™ Retaining Coupler: Set repair kit containing o-rings, washer, valve depressor and springs            |



# Vibration Eliminator

NEW

C&D Vibration eliminators have been designed and developed to offer the longest service life and easiest installation.

- High grade stainless steel inner convoluted tube and outer support braid.
- Tig welded internals for greater strength.
- Pressed braid retention collars offering increased durability.
- Solid copper connectors.
- Customizing available for OEM's
- Safe working pressure: 650psig
- Certification: UL



| Part No.      | Description                                       |
|---------------|---|
| <b>VE-038</b> | 3/8 ID Vibration Eliminator SST with copper tails |
| <b>VE-012</b> | 1/2 ID Vibration Eliminator SST with copper tails |
| <b>VE-058</b> | 5/8 ID Vibration Eliminator SST with copper tails |
| <b>VE-034</b> | 3/4 ID Vibration Eliminator SST with copper tails |
| <b>VE-078</b> | 7/8 ID Vibration Eliminator SST with copper tails |

| Part No.      | Description   |
|---------------|---|
| <b>VE-118</b> | 1 1/8 ID Vibration Eliminator SST with copper tails |
| <b>VE-138</b> | 1 3/8 ID Vibration Eliminator SST with copper tails |
| <b>VE-158</b> | 1 5/8 ID Vibration Eliminator SST with copper tails |
| <b>VE-218</b> | 2 1/8 ID Vibration Eliminator SST with copper tails |
| <b>VE-258</b> | 2 5/8 ID Vibration Eliminator SST with copper tails |

# Rotalok Teflon Gasket

NEW

High quality virgin Teflon gaskets to suit C&D and most other brands of rotalock valves

| Part No.          | Description                             |
|-------------------|---|
| <b>RL-GSK-034</b> | Rotalok Teflon Gasket - suit 3/4 R/L    |
| <b>RL-GSK-100</b> | Rotalok Teflon Gasket - suit 1 R/L      |
| <b>RL-GSK-114</b> | Rotalok Teflon Gasket - suit 1-1/4 R/L  |
| <b>RL-GSK-134</b> | Rotalok Teflon Gasket - suit 1-3/4 R/L  |
| <b>RL-GSK-214</b> | Rotalok Teflon Gasket - suit 2-1/4 R/L  |
| <b>RL-GSK-5PK</b> | Assorted Rotalock Teflon Gaskets Pack 5 |



# C&D VALVE

part of ASPEN PUMPS GROUP – NORTH AMERICA



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