

THE LEADING MANUFACTURER OF SMALL VALVES



PRODUCT CATALOG | VOLUME 51



A HISTORY MADE IN THE USA

The Leading Manufacturer of Small Valves

INDUSTRY COMPLIANCE

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

GUARANTEE

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

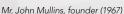
CUSTOM PARTS

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

From its early beginning in an inventor's shop in Oklahoma City, C&D Valve has maintained a tradition of innovation and quality. Many of the industry's most common service valves and tools were designed and developed by C&D Valve. Patents were received for the M-series braze on saddle valves, the core removal tool, and various other valves.

Innovative and useful products mean nothing without consistent and reliable quality. C&D Valve quality extends beyond dependable products into all aspects of meeting our customer's needs—quick and accurate delivery, ease of doing business, and superior customer service.















We take pride in our heritage and appreciate the lessons learned over the past 50 years. C&D Valve strives each and every day to understand our customer's expectations and to exceed them. We look forward to being the vendor of choice for access fittings and related tool needs.



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TEKEDGE™

INTRODUCING



The TekEdge product line expands C&D's solutions to the HVAC/R industry with a full range of products including:

Refrigerant Charging Scale Refrigerant Gas Leak Detector Vacuum Pump

Vacuum Pump Oil

TEP-5D 2-STAGE DUAL VOLTAGE VACUUM PUMP

2-stage dual voltage Integrated body structure Large sight glass

Increased area for heat dissipation

Low oil level

Force feed oil design

1 year warranty

For use with TekEdge Vacuum Pump Oil

PART# **TEP-5D**



REPLACEMENT PARTS

PRP-001	Fan cover for TEP-5D
PRP-002	Handle with cover and nut for TEP-5D
PRP-003	Oil fill cap for TEP-5D
PRP-004	Exhaust fitting for TEP-5D
PRP-005	Pump housing for TEP-5D
PRP-006	Pump housing gasket for TEP-5D
PRP-007	Sight glass for TEP-5D
PRP-008	Oil drain plug for TEP-5D
PRP-009	Oil drain plug gasket for TEP-5D
PRP-010	Rubber foot (w/screw & washer) for TEP-5D
PRP-011	Base for TEP-5D

Model		TEP-5D			
Voltage		110v/60Hz	220v/50Hz		
-1 -	CFM	5.0 CFM	4.5 CFM		
Flow Rate L/min		142 L/min	128 L/min		
	Pa	2x10 ⁻¹	Pa		
Ultimate Vacuum	mbar	0.003 mbar			
vacuum	Microns	15 microns			
Motor		1/2 HP			
Intake Fitti	ng	1/4" and 3/8" Flare			
Oil Capacity	,	11 oz (325 ml)			
Dimension	5	13.3" x 5.4" x 9.8" (338 x 138 x 249 mm)			
Net Weight		23 lbs (10.5 kg)			

VACUUM PUMP OIL

High quality, severely hydro-treated mineral oil specially formulated for the HVAC/R industry

Compatible for use with refrigeration vacuum pumps for long lasting performance and high efficiency

Available in quart and gallon sizes

PART# **TEP-Q/12** PKG QTY: 12 Twelve quart size bottles PART# **TEP-G/6** PKG QTY: 6 Six gallon size bottles



TEKEDGE™



TES-1 ELECTRONIC CHARGING SCALE

Touch key controls

Three display modes

Compact design

110 lb. capacity

Charging and recovery capabilities

One 9v battery (included)

Removable platform and control box with prop stand and hanging hook

Durable case with integrated handle

1 year warranty

PART# TES-1

Model	TES-1
Range	0.0 lbs 0.0 oz to 110 lbs 0.0 oz 0.0 lbs to 110.0 lbs 0.0 kg to 55.0 kg
Resolution	Normal: 0.1 oz/0.005 lbs/2g Low: 0.5 oz/0.025 lbs/10g
Accuracy	± 0.5% of reading ± 1 digit
Power Supply	One 9v alkaline battery
Battery Life	30 hrs (approx.)
Temperature	32°F to 120°F (0°C to 49°C)
Weight	6.15 lbs (2.79 kg)
Dimensions	15.25" x 10.5" x 2.5" (38.7 x 26.7 x 6.35 cm)



TEL-1 REFRIGERANT GAS LEAK DETECTOR

Detects all CFC, HFC, HCFC, HFO and HC Refrigerants and blends

Heated sensor technology

Long life, stable sensor

Three adjustable sensitivity levels

Automatic calibration and reset to ambient

Design Certified by ACSI to meet SAE J2791, J2913, EN14624-2012, ASHRAE 173-2012

2 year warranty

PART# TEL-1

Model	TEL-1		
Description	Leak detector, refrigerant gas		
Sensor life	> 10 years		
Response time	Instantaneous		
Power supply	4 AA alkaline batteries		
Battery life	4-6 hours continuous		
Warm up time	< 20 seconds		
Probe length	17 inches		
Weight	1.5 lbs		
Warranty	2 years		



SENSITIVITY

•	R-1234yf	.0125 oz/yr	
	R-134a	.05 oz/yr	
	R-22	.025 oz/yr	
	R-32	.05 oz/yr	
	R-404A	.05 oz/yr	
	R-407A	.05 oz/yr	
	R-410A	.05 oz/yr	
	R-427A	.05 oz/yr	
	R-507	.05 oz/yr	

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PREMIUM LINE SERVICE VALVES

T-36 series



bushing, wrench cap and core

PART# **CD3436** PKG QTY: 6
1/4" copper tubing, 3/16" copper

bushing, wrench cap and core

PART# **CD3434** PKG QTY: 6 3/16" copper tubing, 1/8"copper

PART# **CD3456** PKG QTY: 6 5/16" copper tubing, 1/4" copper bushing, wrench cap and core

PART# **CD3602** PKG QTY: 6 1/4" copper tubing, 3/16" and 1/8"copper bushings, wrench cap and core

PART# **CD3603** PKG QTY: 6 3/16" copper tubing, wrench cap and core

PART# **CD3604** PKG QTY: 6 1/4" copper tubing, wrench cap and core

PART# **CD3608** PKG QTY: 6 1/8" copper tubing, wrench cap

braze 3/16" tip into 1/4"

line or larger

FEATURES

GENERAL

SPECIFICATIONS

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.

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

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



3/8"

copper tube

1/4"

copper tube

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http://www.cdvalve.com/flipbook/mobile/index.html

STANDARD LINE SERVICE VALVES



36 LP Series



PART# **CD1010** PKG QTY: 6 1/8" copper tubing, wrench cap and core

PART# **CD1212** PKG QTY: 6 3/16" copper tubing, wrench cap and core

PART# **CD2525** PKG QTY: 6 1/4" copper tubing, wrench cap and core

PART# **CD3605** PKG QTY: 6 5/16" copper tubing, wrench cap and core

PART# **CD3606** PKG QTY: 6 3/8" copper tubing, wrench cap and core

PART# **CD3619** PKG QTY: 6 1/8" ID, 3/16", 1/4", 5/16" steps, wrench cap and core

SPECIFICATIONS The 36LP Series comes with a

GENERAL

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

ECONOMY LINE SERVICE VALVES



PART# **CD8408** PKG QTY: 6 1/8" copper tubing, cap and core

PART# **CD8403** PKG QTY: 6 3/16" copper tubing, wrench cap and core

PART# **CD8404** PKG QTY: 6 1/4" copper tubing, cap and core

PART# **CD8405** PKG QTY: 6 5/16" copper tubing, cap and core

PART# **CD8406** PKG QTY: 6 3/8" copper tubing, cap and core

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



BRASS ACCESS BODIES

Standard Flare



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

PART# CD2500 PKG QTY: 6

1/4" ID , 1/4", 5/16" OD steps



PART# **CD9160** PKG QTY: 6 Flare 9/16" long, hex 7/16" deep, 1/4" OD step



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



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.



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



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



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



PART# **CD5055** PKG QTY: 6 7/32" ID, 5/16" OD step





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



PART# **CD2576** PKG QTY: 6 Flare length extended to 5/8", solder end - 1/4" ID, 11/32" OD



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

COPPER ACCESS TEES



84 TS Series



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



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



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



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



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

PART# CD5421 PKG QTY: 2

3/8"

5/16" x 2" refrigeration tube



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



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



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



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

PART# CD8505 PKG QTY: 2

PART# CD8506 PKG QTY: 2

5/16" ID and 3/8" OD

3/8" ID and 1/2" OD 1/4" ID and 5/16" OD will service 1/4", 5/16", 3/8"



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



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



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



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



PART# **CD8431** PKG QTY: 1 7/8" x 3" tube, expanded to 3/4" 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". 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.

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



INSTRUCTIONS

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

2. Let cool and pressure test braze,

if desired. Insert pin with PTFE

3. Last turn crimps brass edge

made, put cap back on and

4. When work is complete, replace

use or install new cap with neoprene o-ring, thumb tight.

cap, wrench tight for permanent

tighten further.

over top of pin for secure fit and forming flared end. Remove cap, and fitting is ready to use. If complete penetration is not

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.

saddle.

BRAZE-ON SERVICE VALVES

Copper-to-Copper M Series

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



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



Copper saddle for 1/4" line

Brass-to-Brass Bot Stinger



PART# CD2814 PKG QTY: 6 Brass saddle for 1/4" line





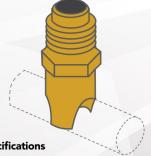




PART# CD2834 PKG QTY: 2 Brass saddle for 3/4" line

PART# CD2878 PKG QTY: 2 Brass saddle for 7/8" line

PART# CD2818 PKG QTY: 2 Brass saddle for 1-1/8" line



General Specifications

- 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



CLAMP-ON SERVICE VALVES



B Series

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



 Place aluminum channel on line. Insert aluminum slide into grooves on channel



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



 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

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.

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



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BALL VALVE CORE REMOVAL TOOLS

Ball Valve Core Removal Tool

The original CRT has been improved with a ball valve design



Two BV-CRT models from which to choose



More durable with a stainless steel ball and brazed side fitting



Compact size for working in close quarters

Works with existing CRT accessories

More convenient to use

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
- 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

- 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)
- Measuring system pressure by attaching a gauge to the side port of CD3930

PART# CD3975 PKG QTY: 1 - Internal Temperature Thermometers

PART# CD3916 PKG QTY: 1 - Thread Chaser

PART# CD3915 PKG QTY: 1 - Pick

PART# CD5577 PKG QTY: 1 - Extractor Rod

PART# CD3090 PKG QTY: 1 – Tube Piercing attachment



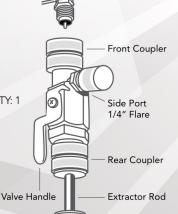
PART# **CD3920** PKG QTY: 1 BV-CRT for 1/4" flare connections



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



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

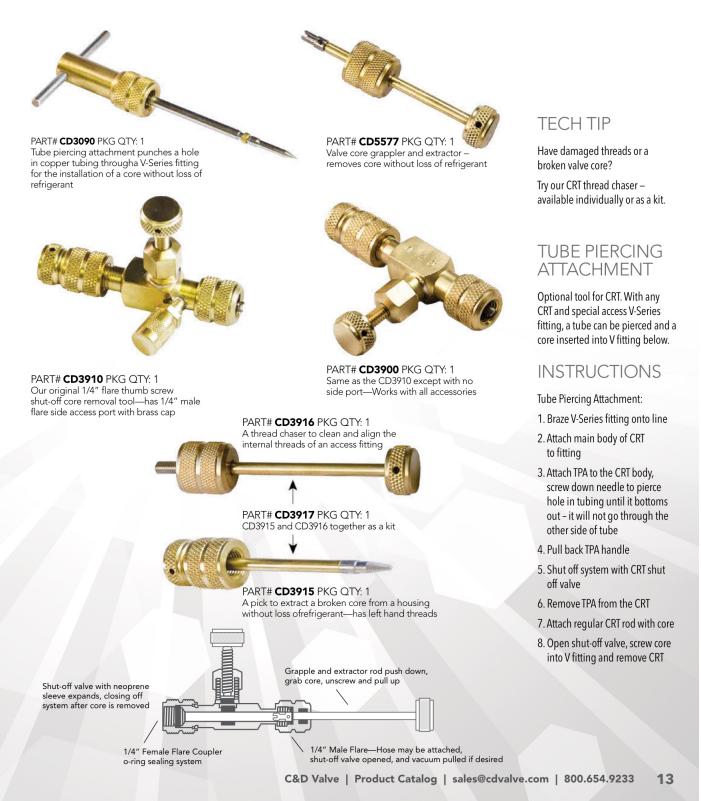


CORE REMOVAL TOOLS



Core Removal Tools

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





CORE REMOVAL TOOL ACCESSORIES

Thermometer

PART# **CD3975** PKG QTY: 1

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



BRAZE-IN SERVICE VALVES

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.

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



SUPERHEAT KITS





VALVE

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

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

With CD3930 BV-CR1 and CD3975 thermometer

SERVICE KITS



Access Fitting Service Kit
PART# CD95105VK - case size 8.5 x 4.5"



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

D8404	CD8488	CD8403	C08405		3613
C06478		CD8434	CD8438		CD9603
C02245	C05514	CD5538	C95634	C05578	COSOSO
C096		34.8213	1414	CBS	955
			25	nig.	
			4		90
					Of the Land

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 KITS

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.

SERVICE KITS

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



SURE SEAL™

Premium line of Sure Seal™ Couplers come in a variety of configurations to handle most

The CD5171 Sure Seal™ kit contains replacement components reducing the need to buy new

COUPLERS

applications.

couplers.

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 1/4" Female flare compact thumbscrew core depressor



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



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



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

HOSE-END BALL VALVE



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 retainer x 1/4" male flare





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



PART# CD2098 PKG QTY: 1

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

PART# CD2020 PKG QTY: 1

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

PART# CD2028 PKG QTY: 1

1/2" Acme female swivel x 1/4" male flare, depressor tip and seal

PART# CD2041 PKG QTY: 1

1/4" female flare x 1/4" female

pipe threads, depressor tip

1/4" female flare hex x 1/2"

male Acme

male Acme

and seal



ADAPTERS AND **COUPLERS**

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# 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# CD5013 PKG QTY: 1 R134a retrofit adapter, straight low side stem (13 mm) x 1/4 female flare, and blue cap



PART# CD5016 PKG QTY: 1 R134a retrofit adapter straight high side stem (16 mm) x 1/4" female flare, and 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, contains depressor pin



TEE CONNECTIONS



TEES

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.



OTHER CONNECTIONS







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 OTY: 2 1/4" male flare access x 1/4" female 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 anew core won't go in, use this. It has a core and no depressor tip



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.



PART# **CD2594** PKG QTY: 2 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



BLOWER WHEEL PULLERS

A Professional Tool

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

BLOWER WHEEL PULLER

Unique hub design provides the perfect fit for most blower wheels allowing maximum torque for stubborn hard to remove wheels.



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 5/32" Allen wrench



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

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



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.



PART# CD4314 PKG QTY: 1 Replacement piercing tip

PART# CD4315 PKG QTY: 2 Replacement gaskets for pliers

20

LOCKING CAPS AND KEYS



Refrigerant Locking Cap Driver

Your one tool to remove industry standard locking caps

PART# CD3830 PKG QTY: 1

Cap Driver Replacement Bits

PART# CD3831 | Red - Novent®

PART# CD3832 | Green - Novent®

PART# CD3833 | Silver - C&D - Shield®

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.

Valve Core Torque Driver

PART# CD3815 PKG QTY: 1

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.

Locking Refrigerant Safety Cap

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





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

PART# CD2290/10 10 PKG QTY: 10

PART# CD2290/50 50 PKG QTY: 50

5/16" Locking Caps

PART# CD2295/2 2 PKG QTY: 2

PART# CD2295/10 10 PKG QTY: 10

PART# CD2295/50 50 PKG QTY: 50

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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.





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. 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.

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.

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, and 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



CORE CONTAINER WRENCH



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



PART# CD3800 PKG QTY: 1

Two (2) tools - a core wrench and thread chaser, comes with six (6) cores and overall length is 3-1/2"

CD2225

CAPS/PARTS/O-RINGS/REPLACEMENT



Caps

PART# CD2210 PKG QTY: 25 1/4" Flare black glass-filled nylon cap with neoprene o-ring seal

PART# CD2214 PKG QTY: 6 10 mm - 1.25 black glass-filled nylon cap with neoprene o-ring seal

PART# CD2215 PKG QTY: 6 1/4" Flare black glass-filled nylon cap with retainer strap and neoprene

PART# CD2217 PKG QTY: 6 1/4" Flare black glass-filled nylon cap with black retainer strap and neoprene o-ring seal

PART# CD2220 PKG QTY: 6 1/2" Acme black glass-filled nylon cap with neoprene o-ring seal

PART# CD2225S PKG QTY: 6 1/4" Flare flex brass cap, use with M Series line-cap valves or with copper gasket (CD0500) for metal to metal seal

PART# CD2225T PKG QTY: 25 1/4" Flare flex brass cap, use with M Series line-cap valves or with copper gasket (CD0500) for metal to PART# CD2235 PKG QTY: 6 1/4" Flare heavy-duty hex brass cap with neoprene o-ring seal

PART# CD2245S PKG QTY: 6 1/4" Flare heavy-duty round brass cap with neoprene o-ring seal

PART# CD2245T PKG QTY: 24 1/4" Flare heavy-duty round brass cap with neoprene o-ring seal

PART# CD2250S PKG QTY: 6 1/4" Flare heavy-duty round brass cap with core wrench tool and neoprene o-ring seal

PART# **CD2250T** PKG QTY: 25 1/4" Flare heavy-duty round brass cap with core wrench tool and neoprene o-ring seal

PART# CD2255 PKG QTY: 6 1/4" Flare heavy-duty round brass cap with neoprene o-ring seal and security wire

PART# CD2260 PKG QTY: 6 1/4" Flare heavy-duty round brass cap with neoprene gasket seal

PART# CD2265 PKG QTY: 6 1/4" Flare round brass cap with neoprene gasket o-ring seal, attached keeper chain to prevent loss of cap



THE RIGHT FITTINGS FOR **EVERY JOB**

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.



Parts

PART# CD0400 PKG QTY: 5 1/4"Flare forged nut (short)

PART# CD0500 PKG QTY: 10 Copper gasket, for use with CD2225 cap

PART# CD2577 PKG QTY: 6 1/4"Flare hex nut

PART# CD4460S PKG QTY: 6 Valve core with PTFE seal. tapered, positive stop barrel

PART# CD4460T PKG QTY: 25 Valve core with PTFE seal, tapered, positive stop barrel

PART# CD5038 PKG QTY: 6 1/2"OD hose grommet for 3/8" charging hoses

PART# **CD5161** PKG QTY: 25 5/16" OD x 5/16" neoprene hose grommet

PART# CD5501 PKG QTY: 25 PTFE o-ring seals for M Series



CD2235

CD2250



O-Rings

PART# CD0066 PKG QTY: 10 1/8" ID, 1/4" OD

PART# CD0077 PKG QTY: 10 5/32" ID, 9/32" OD

PART# CD0099 PKG QTY: 10 7/32" ID. 11/32" OD

PART# CD0101 PKG QTY: 10 1/4" ID, 3/8" OD

PART# **CD0111** PKG QTY: 10 5/16" ID, 7/16" OD, CRT, core depressor couplers

PART# CD1050 PKG QTY: 10 5/32" ID, 11/32" OD

PART# **CD1060** PKG QTY: 10 3/16" ID, 3/8" OD, CD2223, CD2235, CD2250, CD2255 cap

PART# CD1070 PKG QTY: 10 7/32" ID, 13/32" OD, CD2219, CD2245, CD2265 cap

PART# CD1090 PKG QTY: 10 5/16" ID, 1/2" OD, CRT, core depressor couplers



CD5577

Replacement Parts

Core Removal Tool

PART# CD5555 PKG QTY: 1 O-rings necessary to repair a CRT except those contained in the chuck

PART# CD5560 PKG QTY: 1 Shut-off them with molded neoprene gland, includes brass stem, knob, retaining nut and gland

PART# CD5577 PKG QTY: 1 Brass rod and chuck, rear end sealing coupler and knob all in one piece

Sure Seal™ Retaining Coupler

PART# CD5171 PKG QTY: 1 Set repair kit containing o-rings, washer, valve depressor and springs

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CD5560



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TERMS & CONDITIONS/WARRANTY



Orders

Orders are subject to written acceptance by C&D Valve, LLC, 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

Terms

Terms are 1% 10 days, net 30. 1.5% 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 \$750 or more for access fittings (\$1250 for TekEdge products) to a single destination in the USA except Alaska and Hawaii. Shipments under \$750 for access fittings (\$1250 for TekEdge products) 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. Our responsibility ends upon receipt of material by the carrier.

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

Warranty All products sold by C&D Valve, LLC are warrantied to be free of defects in materials and workmanship and include a one year over-the-counter warranty from date of shipment by C&D Valve unless otherwise specified. This warranty applies to all repairable instruments that have not been tampered with or damaged through improper use including unauthorized opening of the unit. C&D Valve limits 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

> 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 products are designed to be used by licensed Air-conditioning and Refrigeration service technicians 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 expressly warns against the sale to or use of products by anyone other than professionally trained personnel.

Safety glasses and gloves should always be worn when working with refrigerants. Contact with refrigerants may cause injury.

This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Returns

Every effort has been made to provide reliable, superior quality products. However, in the event your product requires repair or replacement, please contact C&D Valve Customer Service to obtain a Return Material Authorization (RMA) number. Ensure that all returned products are packed to avoid damage in shipment. Paperwork should be placed in a separate plastic bag and include the C&D Valve RMA number, a description of the problem, and any customer assigned repair or purchase order number, if applicable.

Contact Customer Service for RMA number:

800.654.9233 phone 800.840.0443 fax

Products should be shipped with freight prepaid to:

C&D Valve RMA# 201 NW 67th Street Oklahoma City, OK 73116 USA

Product returns will not be accepted without RMA number from C&D Valve, LLC.

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.

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TERMS & CONDITIONS/WARRANTY

Vacuum Pumps

NOT CHANGING OIL WILL VOID WARRANTY

C&D Valve, LLC vacuum pumps are warrantied to be free of defects in materials and workmanship for a period of one year from the date of purchase. This warranty applies to all repairable instruments that have not been tampered with or damaged through improper use including unauthorized opening of the unit.

Pumps received within warranty period are assessed upon arrival at the C&D Valve facility to determine warranty coverage. Wholesaler will be notified of warranty coverage determination. Over-the-counter warranty applies only to manufacturing defects and is VOID if determination has been deemed product misuse.

To eliminate unnecessary returns and/or costly repairs, verify oil has been changed and proper pump operation guidelines have been followed prior to requesting a return materials authorization (RMA).

Check for Signs of Misuse

- A. Housing area
- B. Broken base
- C. Trap
- D. Damage to fins or drain valve
- E. Sight glass
- F. Damage or dents to pump body
- G. Broken or bent handle
- H. Damaged or missing intake valve



IMPORTANT:

LEVEL

Reasons for Void of Warranty

- Improper usage of pump and pump oil
- Oil has not been changed
- Corrosive substances and/or contaminants found in pump
- Pump has been damaged, altered, or components have been removed or are missing

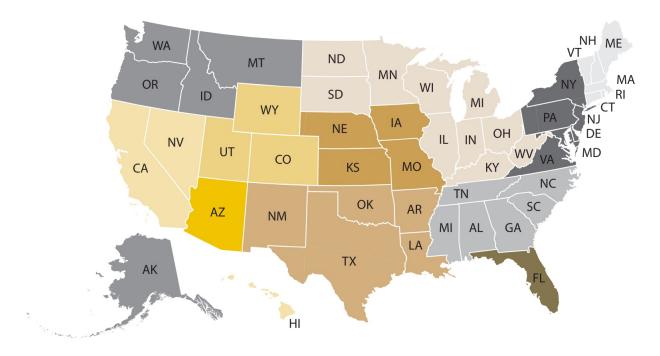
Packing Vacuum Pump for Return

To ensure that no additional charges are incurred due to improper packaging:

- 1. Drain ALL oil from pump and close off valves.
- 2. Place pump in a sealed plastic bag.
- 3. Package pump in a cushioned bottom carton with packing paper. Be sure to secure and protect pump in carton on all sides.
- 4. Include RMA number issued by C&D Valve and supporting paperwork with detailed description of issue in a sealed, separate plastic bag.
- 5. If an estimate is required, be sure to specify in documentation.

SALES REPRESENTATIVES





Domestic

	SALES REP	CONTACT
	CK Sales	Jim Cunningham 732.239.1561
	Wright Sales	Mike Brase 760.822.6395
	C&D Valve	800.654.9233
	Daugherty Sales	Jim Daugherty 205.995.1865
1	C&D Valve	800.654.9233

SALES REP	CONTACT
Vista Sales	Katrina Shaffer 303.989.7636
Southwest Sales Group	Scott Samuelson 602.723.7000
PED Associates	Gil Ledoux 352.459.5171
Thomas Finnegan	Gregg Finnegan 937.604.9375
Beene & Jennings	Pete Jennings 817.291.1470

Australia

SALES REP	CONTACT
Broadtech Supplies and Services Pty Ltd	Nigel Muggeridge Tel 08 8278 9694 (International 0061 8 8278 9694) broadtech@adam.com.au

Canada

SALES REP	CONTACT
Wildon Sales and	Bill Northam
Marketing, Inc.	905.432.6822
	bdnortham@rogers.com



C&D Valve is the leading manufacturer of refrigeration service valves, specializing in the design and manufacture of American made brass access fittings and tools to the HVAC/R industry.





cdvalve.com

P 800.654.9233 F 800.840.0443 sales@cdvalve.com PO Box 13250 Oklahoma City, OK 73113

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