

Service Manual

SECTION 4

- **Compressor Service Valves and Fittings**
 - Heavy Duty and Standard Models
 - Super Compact ("Mini") Models
- **Service Parts**

LAST REVISION 08/98

SUPERSEDES FORMS: 180.72-NM • 180.72-NM2 • 180.72-RP • YA77-401



Climate Control Inc.

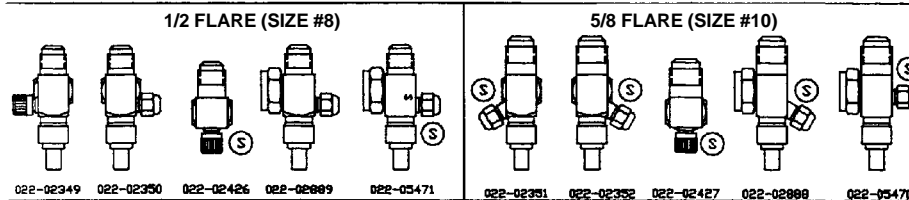
A DEMIRCO COMPANY



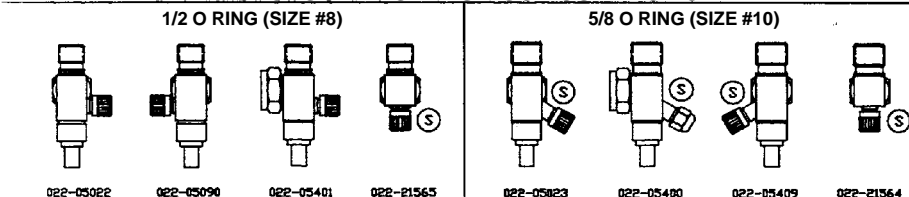
Compressor Service Valves and Fittings

HEAVY DUTY & STANDARD COMPRESSOR VALVES & FITTINGS

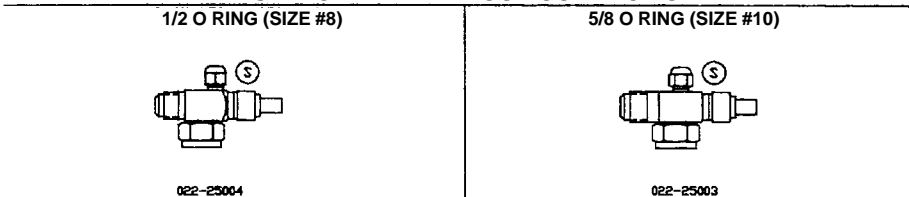
ROTOLOCK — FLARE HOSE CONNECTION



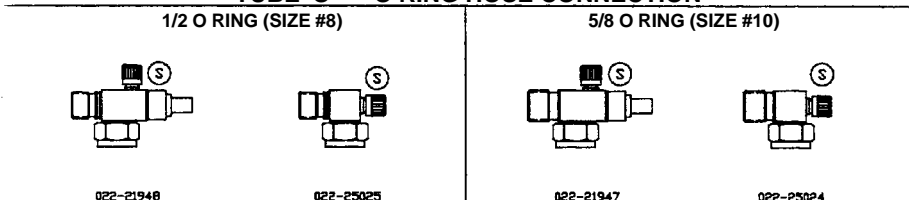
ROTOLOCK — O RING HOSE CONNECTION



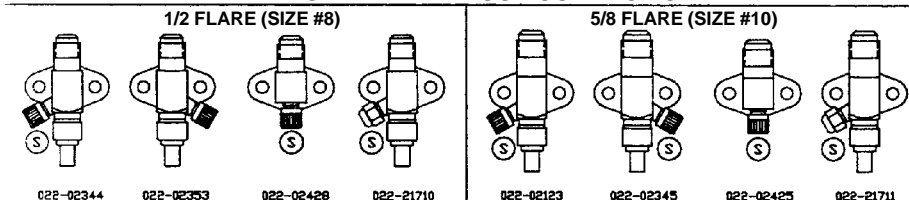
TUBE 'O' — FLARE HOSE CONNECTION



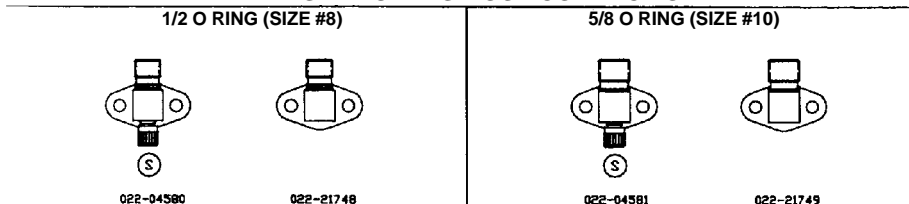
TUBE 'O' — O RING HOSE CONNECTION



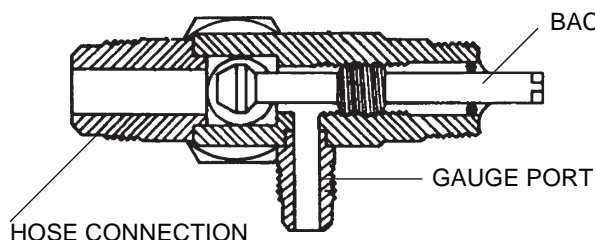
FLANGE — FLARE HOSE CONNECTION



FLANGE — O RING HOSE CONNECTION













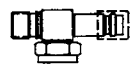

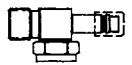






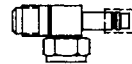

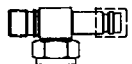

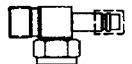






(S) = SCHRAEDER VALVE INSTALLED



Turn valve stem all the way forward (clockwise) to shut off connecting line. This is "front seating". Turn valve stem all the way backward (counter-clockwise) to shut off gauge port and allow connection of service line (hose) to gauge port. This is "back seating". In normal operation valve stem is "back seated" to allow full flow through the valve.



SUPER-COMPACT (MINI) COMPRESSOR VALVES & FITTINGS

YOKE — FLARE HOSE CONNECTION			
1/2 FLARE (SIZE #8)		5/8 FLARE (SIZE #10)	
 022-05174	 022-05175	 022-05408	 022-05413
YOKE — O RING HOSE CONNECTION			
1/2 O RING (SIZE #8)		5/8 O RING (SIZE #10)	
 022-21952		 022-21951	
FLANGE — FLARE HOSE CONNECTION			
1/2 FLARE (SIZE #8)		5/8 FLARE (SIZE #10)	
 022-04363	 022-21960	 022-04362	 022-21959
R - 134a VALVES & FITTINGS			
ROTOLOCK — O RING HOSE CONNECTION			
1/2 O RING (SIZE #8)		5/8 O RING (SIZE #10)	
 022-21929	 022-21931	 022-21928	 022-21930
FLANGE — O RING HOSE CONNECTION			
1/2 O RING (SIZE #8)		5/8 O RING (SIZE #10)	
 022-21933		 022-21932	
YOKE — O RING HOSE CONNECTION			
1/2 O RING (SIZE #8)		5/8 O RING (SIZE #10)	
 022-25141		 022-25140	
TUBE 'O' — FLARE HOSE CONNECTION			
1/2 FLARE (SIZE #8)		5/8 FLARE (SIZE #10)	
 022-21927		 022-21926	
TUBE 'O' — O RING HOSE CONNECTION			
1/2 O RING (SIZE #8)			5/8 O RING (SIZE #10)
 022-21935	 022-21937	 022-21934	 022-21936
 022-25068			 022-25032
 022-25134 ADAPTER		 022-25043	
 022-25137 ADAPTER		 022-25067	

(S) = SCHRAEDER VALVE INSTALLED

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NOTE: SIZE #8 O RING HOSE CONNECTION = 3/4" - 16 UNC THREAD SIZE
SIZE #10 O RING HOSE CONNECTION = 7/8" - 14 UNC THREAD SIZE

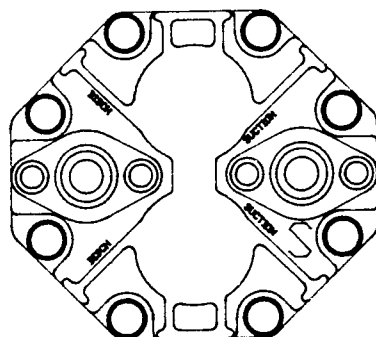
S88-21923 REV K



Service Parts

Part Number	Description
021-12373	Oil Fill Plug (all models)
022-25020	Plastic Cap For Rotolock and Tube 'O' Heads (includes rubber seal)
022-25103	16mm High Side R-12 to R-134a adapter
022-25104	13mm Low Side R-12 to R-134a adapter
026-19841	Suction Screen
028-21549	O-Ring For Oil Plug and P.R.V.
028-07146	Teflon Ring (white) 3/4" For Rotolock Heads
028-25131	Felt Ring (oil wick and dust seal)
029-25173	Oil Dip Stick
029-09888	Shaft Key
088-21831	Oil Wick Assembly (standard & heavy duty models)
388-20905	Pressure Relief Valve (P.R.V.)
488-16314	Rotolock Head Assembly W/Gaskets
488-16316	Gasket Kit - All Standard and Heavy Duty Models
488-16319	Valve Plate and Reed Assembly W/Gaskets (standard)
488-16346	Flange Head Assembly W/Gaskets
488-16999	Tube 'O' Head Assembly W/Gaskets
488-20322	SC (Mini) Flange Head Assembly W/Gaskets
488-20610	Valve Plate and Reed Assembly W/Gaskets (heavy duty)
488-20797	Gasket Kit - SC (Mini) Models
488-20798	SC (Mini) Blank Head Assembly W/Gaskets
488-20799	Valve Plate and Reed Assembly W/Gaskets (SC Mini)
488-21802	Shaft Seal Kit (Neoprene) All Refrigerants Including R-12, R-134a and Blends
488-25274	Deluxe Neoprene All Refrigerants Seal Kit W/Felt Ring, Centering Tool, Special Clutch Coil Screws
488-25080	Classic "Tool" Kit (Compressor Repair and Clutch Removal)
ESTER-25065	P.O.E. (ESTER) Oil 14 Ounce Bottles (12 to a Case) "RETRO-FIX II" Brand

ROUND OR
SQUARE CUT
O-RING
(NEW STYLE)

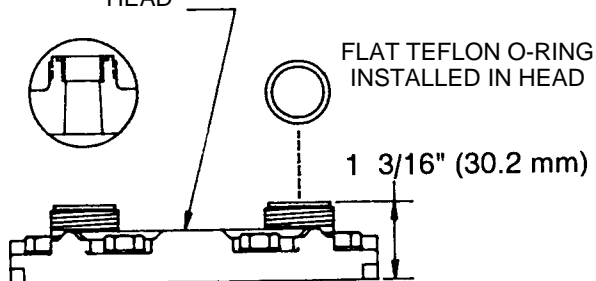


FLANGE HEAD



GASKET
(OLD STYLE)

R CAST IN
HEAD

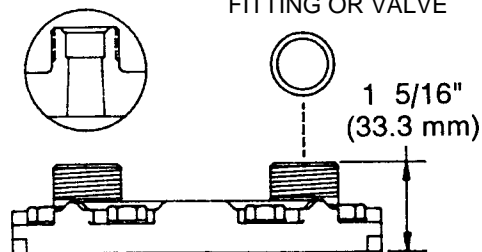


ROTOLOCK HEAD

FLAT TEFLON O-RING
INSTALLED IN HEAD

1 3/16" (30.2 mm)

ROUND RUBBER O-RING
INCLUDED WITH
FITTING OR VALVE



TUBE 'O' HEAD



Climate Control Inc.

A DEMIRCO™ Company

2120 N. 22nd Street
Decatur, Illinois 62526
Telephone: 217-422-0055
FAX: 217-422-4323
www.ccicompressor.com

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