

Introduction

Rotalock valves are widely used through out the refrigeration and air-conditioning industry as a removable connection point and service valve in one. The Rotalock connection consists of male and female components that when joined compress a sacrificial Teflon washer. By compressing a Teflon washer a seal is created that can maintain its integrity with both large changes in temperature and constant vibration.

Heldon Rotalock valves have a brass body with a Nickel plated finish for further corrosion protection. Additionally they feature a polished stainless steel spindle with solid Teflon seal arrangement leading to an increased service life and less torque required when closing. Seat surfaces are brass to steel leading to a superior seal and making Heldon Rotalock valves suitable for all fluorinated refrigerants and oils.

Available in a range of styles and sizes all valves have a ¼ MSAE access port that in most cases is situated on the top of the valve, Heldon can manufacture left, right or multiple ports to your requirements dependent on volume. All valves and sockets are supplied complete with a Teflon rotalock seal.



Features and Benefits

Features

- Designed for maximum flow and minimal pressure drop.
- Strong forged or solid brass body (steel available).
- Precision ground and polished stainless steel stem.
- Supplied with Rotalock gasket.
- Available in a multitude of versions.
- Safe working pressure of 4,200 kpa (R-410a compatible).
- Brass to Stainless steel seat.

Benefits

- Negligible loss in system efficiency.
- Stable platform when mounted in a system.
- Accurate sealing and extended life.
- Complete ready to install.
- Suit most applications.
- Compatible will all fluorinated refrigerants and oils.
- Tighter seal and less susceptible leakage.

Manufacturing Standards

Manufactured in accordance with AS / NZ 1677.2



Rotalock Service Valve with Access

Female Solder			Male SAE Flare		
Part No.	Port	Description	Part #	Port	Description
2600-041220	T	1/4 ID x 3/4 R/L x 20 BODY	2610-041220	T	1/4 MSAE x 3/4 R/L x 20 BODY
2600-041620	T	1/4 ID x 1 R/L x 20 BODY	2610-041620	T	1/4 MSAE x 1 R/L x 20 BODY
2600-061220	T	3/8 ID x 3/4 R/L x 20 BODY	2610-061220	T	3/8 MSAE x 3/4 R/L x 20 BODY
2600-061620	T	3/8 ID x 1 R/L x 20 BODY	2610-061620	T	3/8 MSAE x 1 R/L x 20 BODY
2600-081220	T	1/2 ID x 3/4 R/L x 20 BODY			
2600-081620	T	1/2 ID x 1 R/L x 20 BODY	2610-081620	T	1/2 MSAE x 1 R/L x 20 BODY
2600-101620	T	5/8 ID x 1 R/L x 20 BODY	2610-101620	T	5/8 MSAE x 1 R/L x 20 BODY
2600-102022	T	5/8 ID x 1 1/4 R/L x 22 BODY	2610-102022	T	5/8 MSAE x 1 1/4 R/L x 22 BODY
2600-122022-1L	L only	3/4 ID x 1 1/4 R/L x 22 BODY	2610-122022	T	3/4 MSAE x 1 1/4 R/L x 22 BODY
2600-122030-1L	L only	3/4 ID x 1 1/4 R/L x 30 BODY	2610-122030	T	3/4 MSAE x 1 1/4 R/L x 30 BODY
2600-142030-1LC	L only	7/8 ID x 1 1/4 R/L x 30 BODY			
2600-142830-1LC	L only	7/8 ID x 1 3/4 R/L x 30 BODY			
2600-182030-1LC	L only	1 1/8 ID x 1 1/4 R/L x 30 BODY			
2600-182835-1LC	L only	1 1/8 ID x 1 3/4 R/L x 35 BODY			
2600-222835-1LC	L only	1 3/8 ID x 1 3/4 R/L x 35 BODY			
2600-262835	T	1 5/8 ID x 1 3/4 R/L x 35 BODY			
2600-263650	T	1 5/8 ID x 2 1/4 R/L x 50 BODY			
2600-343650	T	2 1/8 ID x 2 1/4 R/L x 50 BODY			



Female Solder to Female Rotalock Nut Connector

Straight Connector		Elbow 90° Connector	
Part No.	Description	Part #	Description
262-0412	1/4 ID x 3/4 R/L nut	263-0412	1/4 ID x 3/4 R/L nut
262-0612	3/8 ID x 3/4 R/L nut	263-0612	3/8 ID x 3/4 R/L nut
262-0616	3/8 ID x 1 R/L nut	263-0616	3/8 ID x 1 R/L nut
262-0816	1/2 ID x 1 R/L nut	263-0812	1/2 ID x 3/4 R/L nut
262-1016	5/8 ID x 1 R/L nut	263-0816	1/2 ID x 1 R/L nut
262-1020	5/8 ID x 1 1/4 R/L nut	263-1016	5/8 ID x 1 R/L nut
262-1220	3/4 ID x 1 1/4 R/L nut	263-1020	5/8 ID x 1 1/4 R/L nut
262-1420	7/8 ID x 1 1/4 R/L nut	263-1216	3/4 ID x 1 R/L nut
262-1820	1 1/8 ID x 1 1/4 R/L nut	263-1220	3/4 ID x 1 1/4 R/L nut
262-1828	1 1/8 ID x 1 3/4 R/L nut	263-1420	7/8 ID x 1 1/4 R/L nut
262-2228	1 3/8 ID x 1 3/4 R/L nut	263-1820	1 1/8 ID x 1 1/4 R/L nut
262-2628	1 5/8 ID x 1 3/4 R/L nut	263-1828	1 1/8 ID x 1 3/4 R/L nut
262-2636	1 5/8 ID x 2 1/4 R/L nut	263-2228	1 3/8 ID x 1 3/4 R/L nut
262-3436	2 1/8 ID x 2 1/4 R/L nut		

Elbow 90° Male R/L x Solder

Part No.	Description
264-0616	3/8 ID X 1 R/L Male
264-0816	1/2 ID X 1 R/L Male
264-1220	3/4 ID X 1 1/4 R/L Male



Elbow 90° Male R/L x Solder + Acc

Part No.	Description
266-0816	1/2 ID X 1 R/L Male c/w Access
266-1420	3/4 ID X 1 1/4 R/L Male c/w Access

Elbow 90° Female R/L x MSAE

Part No.	Description
265-0412	1/4 MSAE X 3/4 R/L nut
265-0612	3/8 MSAE X 3/4 R/L nut
265-0812	1/2 MSAE X 3/4 R/L nut

Rotalock Welding Spuds - available as AS1210 or ASME

Part No.	QTY	Description	
965-26XX-12S	1	Suit 3/4 R/L, ID 5/16"	OD 3/4"
965-26XX-16S	1	Suit 1 R/L, ID 1/2"	OD 1"
965-26XX-20S	1	Suit 1 1/4 R/L, ID 3/4"	OD 1 1/4"
965-26XX-28S	1	Suit 1 3/4 R/L, ID 1 1/4"	OD 1 3/4"
965-26XX-36S	1	Suit 2 1/4 R/L, ID 1 5/8"	OD 2 1/4"

Rotalock Gaskets

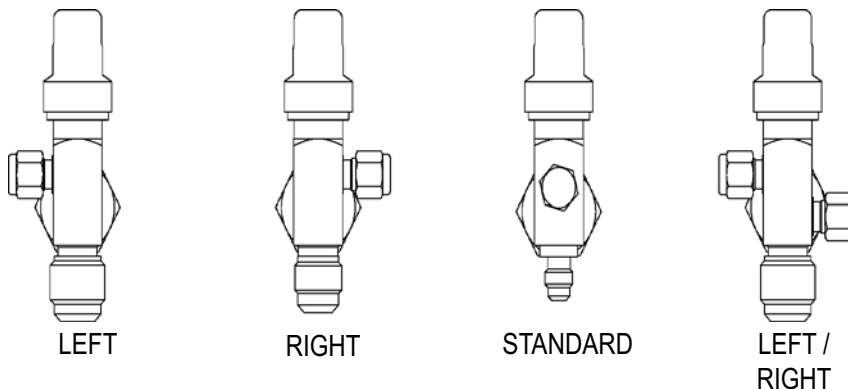
Part No.	QTY	Description
800-26XX-12	5	Suit 3/4 R/L nut
800-26XX-16	5	Suit 1 R/L nut
800-26XX-20	5	Suit 1 1/4 R/L nut
800-26XX-28	5	Suit 1 3/4 R/L nut
800-26XX-36	5	Suit 2 1/4 R/L nut



Nomenclature

Series No. ↓ 2600 - Female Solder Finish 2610 - Male SAE Flare	Solder I.D. or MSAE 04-34 = 1/4"-2 1/8" ID Solder 04-12 = 1/4"-3/4" MSAE	R/L Size ↓ 12-36= 3/4"-2 1/4"	Body Size 20-50= square body	Finish ↓ B Brass not plated	Access Port Location R = single right L = single left LR = upper right/lower left	S ↓ Access port has schrader thread
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e.g: 2600-122022-L = 3/4" female solder, 1 1/4" R/L connection, 22mm SQ body, left access port, no Schrader



Conection R/L / Sol	Maneurop MT/Z Disch Suct	Maneurop SM Disch Suct	Copeland ZR Disch Suct	Copeland ZF Disch Suct	Copeland ZS Disch Suct	
1" / 3/8" Part No; 2600-061620	MT/Z18 MT/Z22 MT/Z28					
1" / 1/2" Part No; 2600-081620	MT/Z32 MT/Z36 MT/Z40	MT/Z18 MT/Z22 MT/Z28				
1" / 5/8" Part No; 2600-101620			ZR18K ZR22K ZR28K ZR34K ZR40K ZR48K ZR49K ZR61K ZR72K	ZF09K ZF11K ZF13K ZF15K ZF18K	ZS15K ZS19K ZS21K ZS26K ZS30K ZS38K ZS45K	
1 1/4" / 5/8" Part No; 2600-102022	MT/Z32 MT/Z36 MT/Z40					
1 1/4" / 3/4" Part No; 2600-122022	MT/Z44 MT/Z50 MT/Z56 MT/Z64 MT/Z72 MT/Z80/1	SM085 SM100 SM125	ZR81K ZR90K ZR11M		ZS56K	
1 1/4" / 7/8" Part No; 2600-142030	MT/Z100 MT/Z125 MT/Z160		ZR12M ZR16M	ZR18K ZR22K ZR28K ZR34K ZR40K ZR48K ZR49K ZR61K ZR72K ZR81K	ZF33K ZF40K ZF09K ZF11K ZF13K ZF15K ZF18K ZF24K	ZS75K ZS15K ZS19K ZS21K ZS26K ZS30 ZS38K ZS45K
1 3/4" / 7/8" Part No; 2600-142830	MT/Z44 MT/Z50 MT/Z56 MT/Z64 MT/Z72 MT/Z80/1	SM175 SM185				
1 3/4" / 1 1/8" Part No; 2600-182835	MT/Z100 MT/Z125 MT/Z160	SM085 SM100 SM125	ZR19M	ZR90K	ZF48K ZF24K	ZS11M ZS56K
1 3/4" / 1 3/8" Part No; 2600-222835			ZR250K ZR300K ZR310K ZR380K	ZR11M ZD12M ZR16M	ZF33K ZF40K	ZS75K
1 3/4" / 1 5/8" 2600-262835		SM175 SM185				
2 1/4" / 1 5/8" Part No; 2600-263650		SM175 SM185		ZR19M ZR250K ZR300K ZR310K ZR380K	ZF48K	ZS11M

Note: All care has been taken in compiling this cross reference / guide based on published data from the relevant manufacturers and their agents. As manufacturers can change their specifications this should be used as a guide only.