

## Rotalock Valves

Realcold Stock No.	Model	Description	Price \$ Excl. GST
H1006	1/4" Valve Flare Horizontal	3/4" R/L	
H1007	3/8" Valve Sweat ID Horizontal	1" R/L	
H1009	3/8" Valve Flare Horizontal	3/4" R/L	
H1014	1/2" Valve Sweat ID Horizontal	1" R/L	
H1017	5/8" Valve Sweat ID Horizontal	1" R/L	
H1031	3/4" Valve Sweat ID Horizontal	1 1/4" R/L	
H1036	7/8" Valve Sweat ID Horizontal	1 1/4" R/L	
H1042	1 1/8" Valve Sweat ID Horizontal	1 3/4" R/L	
H1045	1 3/8" Valve Sweat ID Horizontal	1 3/4" R/L	
H1074	1 1/4" Rotalock Spud less process port		
H1080	1 3/4" Rotalock Spud less process port		
H1103	3/4" Teflon Fibre Seal		
H1104	1" Teflon Fibre Seal		
H1105	1 1/4" Teflon Fibre Seal		
H1106	1 3/4" Teflon Fibre Seal		



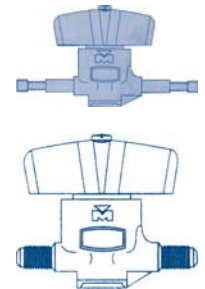
**Note:** Valves have top gauge connection



### Mueller Hand Shut-Off Valves (packless line valves)

Mueller valves have full size openings for maximum flow with minimum restriction. The maximum working pressure is 500 psi with flow in direction of the arrow, and 350 psi with flow against the arrow. Working temperature range is -40°C to +90°C. All valves diaphragm type.

Realcold Stock No.	Model	Description	Price \$ Excl. GST
H0820	Mueller 1/4" ODS	Two way straight through	
H0822	Mueller 1/2" ODS	Two way straight through	
H0841	Mueller 1/4" MF	Two way straight through	
H0842	Mueller 3/8" MF	Two way straight through	
H0843	Mueller 1/2" MF	Two way straight through	
H0844	Mueller 5/8" MF	Two way straight through	

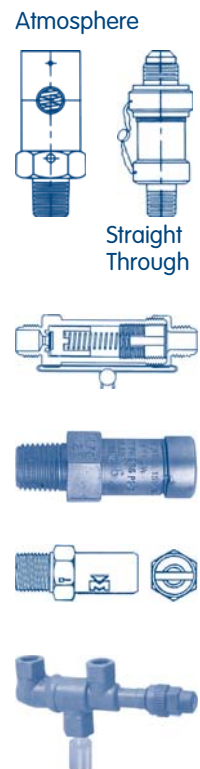


### Mueller Pressure Relief Valves

Valves listed are constructed and stamped with the ASME UV symbol in accordance with the requirements of the ASME and are approved by Maritime Transport - a Division of the New Zealand Ministry of Transport. The set point of the relief valve must not exceed the safe working pressure (SWP) stamped on an approved receiver.

Realcold Stock No.	Model	Size Connections		Pressure Settings		Capacity Ratings	Price \$ Excl. GST
		Inlet	Outlet	PSI	kPa	Lbs Air/Min	
G0543	Mueller A-15508-AH	1/8" MPT	Atmosphere	400	3413	7.1	
G0544	Mueller A-15508-AG	1/8" MPT	Atmosphere	350	2578	6.3	
G0545	Mueller A-15508-AE	1/8" MPT	Atmosphere	300	2069	5.4	
G0546	Mueller A-15509-AE	1/4" MPT	Atmosphere	300	2069	5.4	
G0547	Mueller A-15509-AG	1/4" MPT	Atmosphere	350	2413	6.3	
G0548	Mueller A-15509-AH	1/4" MPT	Atmosphere	400	2578	7.1	
G0559	Mueller A-15504-AE	1/2" MPT	5/8" MF	300	2069	25.4	
G0565	Mueller A-15504-AG	1/2" MPT	5/8" MF	350	2413	29.5	
G0567	Mueller A-15504-AH	1/2" MPT	5/8" MF	400	2578	33.5	

Note: The above are National Pipe Threads 9.27



### Three Way Hand Shut-Off Valves

Realcold Stock No.	Description	Maximum Working Pressure	Price \$ Excl. GST
G0580	Henry 925 Brass 1/2" FPT Dual shut off valve	675 psi	
G0582	Mueller Brass 1/2" FPT Dual shut off valve	700 psi	

- Body - Forged Brass. Seat Discs - Steel
- Working Temperature Range: -40°C to +149°C





### Saginomiya 4-Way Reversing Valve

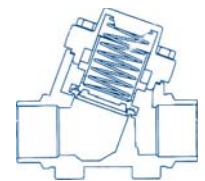
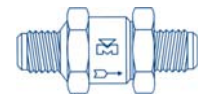
Realcold Stock No.	Model	Description	Capacity		Refrigerator	Pipe Sizes		Coil	Voltage	Price \$ Excl. GST
			R22	R410A		Discharge	Suction & Coils			
G1100	CHV-0201 STF-0201"G"	Reversing Valve C/W Coil	2.6	3	R22 R407C R410A	9.52 (3/8")	12.7 (1/2")	YES	230V AC 50Hz	
G1112	STF-0214"G"	Reversing Valve C/W Coil	3		R22 R407C R410A	12.7 (1/2")	15.88 (5/8")	YES	230V AC 50Hz	
G1114	STF-0408"G"	Reversing Valve C/W Coil	6		R22 R407C R410A	12.7 (1/2")	19.05 (3/4")	YES	230V AC 50Hz	
ACSG0169	SHF-20A-46	Reversing Valve without Coil	5.7	6.7	R22 R407C R410A	12.7 (1/2")	19.05 (3/4")	NO	—	

CHV Coils for Reversing Valves										
G1105	CHV-01A1501A1	CHV Coil suits CHV/STF 101~2011	—	—	—	—	—	—	230V AC 50Hz	

### Check Valves - Refrigerants HFC & HCFC

These valves offer minimum restriction to flow and provide a positive seal against reverse flow. They will operate in any position.

Realcold Stock No.	Model	Description	Price \$ Excl. GST
G0501	Mueller 1/4" Male Flare	Max. working pressure 500 psi Max. Temperature +93°C	
G0503	Mueller 3/8" Male Flare	"	
G0505	Mueller 1/2" Male Flare	"	
G0507	Mueller 5/8" Male Flare	"	
G0490	Mueller 1/4" ODS Extended Ends	"	
G0491	Mueller 3/8" ODS Extended Ends	"	
G0492	Mueller 1/2" ODS Extended Ends	"	
G0493	Mueller 5/8" ODS Extended Ends	"	
G0509	Mueller 7/8" ODS B34235	Max. working pressure 450 psi Max. Temperature +149°C	
G0510	Mueller 1.1/8" ODS B34236	"	
G0511	Mueller 1.3/8" ODS B34237	"	
G0512	Mueller 1.5/8" ODS B34238	"	
G0514	Mueller 2.1/8" ODS B34239	"	





### Check Valve - Gaskets

Realcold Stock No.	Model	Description	Price \$ Excl. GST
G0517	Mueller 1.3/8" - 1.5/8" Gasket	Suit Mueller Check Valves	
G0518	Mueller 2.1/8" Gasket	Suit Mueller Check Valves	

**Note:** Mueller B342 series check valves are 4-bolt flange types for easy disassembly when brazing and can be installed vertically or horizontally. Full port construction.

### Mueller Ball Valves (two way)

Mueller ball valves may be used on high and low pressure refrigerant lines for either gas or liquid service. Suitable for HCFC, HFC refrigerants, and all refrigerant oils. The ball seals are carbon filled teflon. This permits higher sealing force than with virgin teflon, yet gives extended sealing life with the greater strength of the filled material. Maximum working pressure is 700 psi. Maximum temperature range -40°C to +149°C.

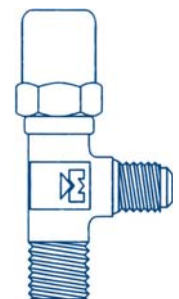
Realcold Stock No.	Model	Description	Price \$ Excl. GST
H0868	Mueller 3/8" ODS	Full Port	
H0869	Mueller 1/2" ODS	Full Port	
H0870	Mueller 5/8" ODS	Full Port	
H0871	Mueller 7/8" ODS	Full Port	
H0872	Mueller 1 1/8" ODS	Full Port	
H0873	Mueller 1 3/8" ODS	Full Port	
H0875	Mueller 1 5/8" ODS	Full Port	
H0876	Mueller 2 1/8" ODS	Full Port	
H0877	Mueller 2 5/8" ODS	Reduced Port	
H0878	Mueller 3 1/8" ODS	Reduced Port	



### Mueller Liquid Receiver Valves

Maximum working pressure 500 psi. Maximum temperature rating 149°C. MP are NPT (National Pipe Thread).

Realcold Stock No.	Model	Description	Price \$ Excl. GST
H0951	Mueller A - 11031	1/4" MF x 1/4" MP	
H0952	Mueller A - 13613	1/4" MF x 3/8" MP	
H0953	Mueller A - 11030	3/8" MF x 1/4" MP	
H0954	Mueller A - 13503	3/8" MF x 3/8" MP	
H0955	Mueller A - 11042	1/2" MF x 3/8" MP	
H0956	Mueller A - 13220	1/2" MF x 1/2" MP	
H0958	Mueller A - 13183	5/8" MF x 1/2" MP	

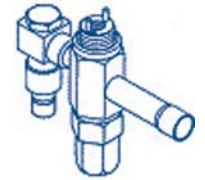




### Sporlan Q-Series Thermostatic Expansion Valves

3/8" x 1/2" - 90° connections, flare or sweat. All OD models are forged inlet models.

Realcold Stock No.	Model	Description	Price \$ Excl. GST
SP0001	SQ-ODF	Q Valve Body OD Internally Equalised External Strainer	
SP0002	SQE-ODF	Q Valve Body OD Externally Equalised External Strainer	
SP0003	Q-SAE	Q Valve Body MF Internally Equalised External Strainer	
SP0004	QE-SAE	Q Valve Body MF Externally Equalised External Strainer	
SP0071	SBQ-ODF	BQ Valve Body OD Internally Equalised	
SP0072	SBQE-ODF	BQ Valve Body OD Externally Equalised	
SP0073	BQ-SAE	BQ Valve Body MF Internally Equalised	
SP0074	BQE-SAE	BQ Valve Body MF Externally Equalised	



SQ-ODF



SQE-ODF

### Sporlan Orifices

Realcold Stock No.	Model	Description	Nominal Capacity kW			Price \$ Excl. GST
			R404A	R22	R134a	
SP0010	QC-0	Orifice No. 0 Red	0.59	1.17	0.59	
SP0011	QC-1	Orifice No. 1 Yellow	0.88	2.64	0.88	
SP0012	QC-2	Orifice No. 2 Green	1.76	3.52	1.76	
SP0013	QC-3	Orifice No. 3 Blue	3.52	5.28	3.52	
SP0014	QC-4	Orifice No. 4 Pink	5.28	8.79	5.28	
SP0015	QC-5	Orifice No. 5 Black	7.03	12.3	7.03	
SP0016	QC-6	Orifice No. 6 White	10.6	17.6	8.79	
SP0080	AAA	BQ Orifice Red	0.44-0.70	0.44-1.16	0.44-0.70	
SP0081	AA	BQ Orifice Yellow	0.88-1.16	1.76-2.34	0.88-1.16	
SP0082	A	BQ Orifice Blue	1.76-3.52	2.64-5.30	1.76-3.52	
SP0083	B	BQ Orifice Pink	4.40-7.03	6.16-10.60	4.40-6.16	
SP0084	C	BQ Orifice White	7.90-10.60	11.4-19.30	7.03-10.60	



Q-SAE



QE-SAE



### Sporlan Thermostatic Elements

Realcold Stock No.	Model	Description	Price \$ Excl. GST
SP0020	KT-43-VC-5'	TX Element R22 Commercial -25/+10°C	
SP0030	KT-43-JC-5'	TX Element R134a Commercial -25/+10°C	
SP0040	KT-43-SC-5'	TX Element R404A Commercial -25/+10°C	
SP0041	KT-43-SZ-5'	TX Element R404A LT -18/-40°C	
SP0042	KT-43-SZP-5'	TX Element R404A LT MOP -18/-40°C	
SP0044	KT43-VZ-5'	TX Element R22 LT- Q Series -18/-40°C	



SP0030

### Sporlan Accessories

Realcold Stock No.	Model	Description	Price \$ Excl. GST
SP0060	791-001	Cartridge O-Ring	
SP0061	184-002	Allen Wrench	
SP0062	QVT-1	Q Valve Tool	
SP0063	1538-000	Inlet Strainer for all Q Body 3/8" Flare Valves	
SP0064	3427-000	Inlet Strainer for all Q Body 3/8" ODF Valves	



## Sporlan J8 Thermostatic Expansion Valves

Suitable for all refrigerants except Ammonia and High Pressure Carbon Dioxide. Drop-in replacement for Danfoss TX Valves. Has interchangeable orifice to control capacity. Orifices also suitable for use with Danfoss T2 and TE2 Valves

Refrigerant	Realcold Stock No.	Model	Inlet	Outlet	Equa- lised	MOP Bar / °C	Evap / Temp Range	Price \$ Excl. GST
<b>134A</b>	<b>SP5001</b>	TX 134A J8S-JW BODY	3/8" Flare	1/2" Solder	No	—	-40 to +15°C	
	<b>SP5002</b>	TX 134A J8ES-JW BODY	3/8" Flare	1/2" Solder	Yes	—	-40 to +15°C	
	<b>SP5015</b>	TX 134A J8F-JW BODY	3/8" Flare	1/2" Flare	No	—	-40 to +15°C	
	<b>SP5016</b>	TX 134A J8EF-JW BODY	3/8" Flare	1/2" Flare	Yes	—	-40 to +15°C	
	<b>SP5030</b>	TX 134A J8S-JX60 BODY	3/8" Flare	1/2" Solder	No	4.1 Bar +17°C	-40 to +15°C	
	<b>SP5031</b>	TX 134A J8ES-JX60 BODY	3/8" Flare	1/2" Solder	Yes	4.1 Bar +17°C	-40 to +15°C	
	<b>SP5038</b>	TX 134A J8F-JX60 BODY	3/8" Flare	1/2" Flare	No	4.1 Bar +17°C	-40 to +15°C	
	<b>SP5039</b>	TX 134A J8EF-JX60 BODY	3/8" Flare	1/2" Flare	Yes	4.1 Bar +17°C	-40 to +15°C	
<b>404A</b>	<b>SP5005</b>	TX 404A J8S-SW BODY	3/8" Flare	1/2" Solder	No	—	-40 to +10°C	
	<b>SP5006</b>	TX 404A J8ES-SW BODY	3/8" Flare	1/2" Solder	Yes	—	-40 to +10°C	
	<b>SP5017</b>	TX 404A J8F-SW BODY	3/8" Flare	1/2" Flare	No	—	-40 to +15°C	
	<b>SP5018</b>	TX 404A J8EF-SW BODY	3/8" Flare	1/2" Flare	Yes	—	-40 to +15°C	
	<b>SP5034</b>	TX 404A J8S-SX110 BODY	3/8" Flare	1/2" Solder	No	7.6 Bar +12°C	-40 to +10°C	
	<b>SP5035</b>	TX 404A J8ES-SX110 BODY	3/8" Flare	1/2" Solder	Yes	7.6 Bar +12°C	-40 to +10°C	
	<b>SP5036</b>	TX 404A J8S-SX35 BODY	3/8" Flare	1/2" Solder	No	2.4 Bar -17°C	-40 to -18°C	
	<b>SP5037</b>	TX 404A J8ES-SX35 BODY	3/8" Flare	1/2" Solder	Yes	2.4 Bar -17°C	-40 to -18°C	
	<b>SP5040</b>	TX 404A J8F-SX110 BODY	3/8" Flare	1/2" Flare	No	7.6 Bar +12°C	-40 to +10°C	
	<b>SP5041</b>	TX 404A J8EF-SX110 BDY	3/8" Flare	1/2" Flare	Yes	7.6 Bar +12°C	-40 to +10°C	
	<b>SP5042</b>	TX 404A J8F-SX35 BODY	3/8" Flare	1/2" Flare	No	2.4 Bar -17°C	-40 to -18°C	
	<b>SP5043</b>	TX 404A J8EF-SX35 BODY	3/8" Flare	1/2" Flare	Yes	2.4 Bar -17°C	-40 to -18°C	
	<b>R22</b>	<b>SP5003</b>	TX R22 J8S-VW BODY	3/8" Flare	1/2" Solder	No	—	-40 to +15°C
<b>SP5004</b>		TX R22 J8ES-VW BODY	3/8" Flare	1/2" Solder	Yes	—	-40 to +15°C	
<b>SP5019</b>		TX R22 J8F-VW BODY	3/8" Flare	1/2" Flare	No	—	-40 to +15°C	
<b>SP5020</b>		TX R22 J8EF-VW BODY	3/8" Flare	1/2" Flare	Yes	—	-40 to +15°C	
<b>SP5032</b>		TX R22 J8S-VX100 BODY	3/8" Flare	1/2" Solder	No	6.9 Bar +17°C	-40 to +15°C	
<b>SP5033</b>		TX R22 J8ES-VX100 BODY	3/8" Flare	1/2" Solder	Yes	6.9 Bar +17°C	-40 to +15°C	
<b>SP5044</b>		TX R22 J8F-VX100 BODY	3/8" Flare	1/2" Flare	No	6.9 Bar +17°C	-40 to +15°C	
<b>SP5045</b>		TX R22 J8EF-VX100 BODY	3/8" Flare	1/2" Flare	Yes	6.9 Bar +17°C	-40 to +15°C	

### Valve Features Advantages and Benefits

- US Manufacture and Quality
- Copper Capillary 5-Times better Conductivity than Stainless Steel
- Plasma Welded rather than Laser Welded
- New design, Long-Life Diaphragm
- Copper Connections





## Sporlan J8 Thermostatic Expansion Valves Orifice

Suitable for all refrigerants except Ammonia and High Pressure Carbon Dioxide. Drop-in replacement for Danfoss TX Valves. Has interchangeable orifice to control capacity. Orifices also suitable for use with Danfoss T2 and TE2 Valves

Realcold Stock No.	Model	R134a	R22	R404A	R507C	Price \$ Excl. GST
SP5007	Orifice J8C - 0X	0.44	0.66	0.45	0.57	
SP5008	Orifice J8C - 00	0.77	1.2	0.79	1.0	
SP5009	Orifice J8C - 01	1.7	2.3	1.6	2.3	
SP5010	Orifice J8C - 02	3.1	4.1	2.8	3.7	
SP5011	Orifice J8C - 03	4.6	6.1	4.2	5.5	
SP5012	Orifice J8C - 04	6.9	9.2	6.3	8.3	
SP5013	Orifice J8C - 05	8.7	11.7	8.0	10.5	
SP5014	Orifice J8C - 06	10.4	14.0	9.6	15.0	

Nominal capacities at +5°C evaporating temperatures, +32°C condensing temperatures.

## Cross Reference Table - J8 / T2 / TI

Refrigerant	Int / Ext	Inlet x Outlet Inch: 3/8" x 1/2" (inch)	Parker Item Number	J8 Code	MOP °C"	T2/TE2 Part No	MOP °C"	TI/TIE Part No	MOP °C"
<b>R134a</b>	Ext	flare x flare	600000	J8EF-JW	no	068Z3348	no	TIE-MW	no
	Ext	flare x flare	600001	J8EF-JX60	+17°C	068Z3349	+15°C	—	—
	Ext	flare x solder	600014	J8ES-JW	no	068Z3385	no	TISE-MW	no
	Ext	flare x solder	600015	J8ES-JX60	+17°C	068Z3389	+15°C	—	—
	Int	flare x flare	600021	J8F-JW	no	068Z3346	no	TI-MW	no
	Int	flare x flare	600022	J8F-JX60	+17°C	068Z3347	+15°C	—	—
	Int	flare x solder	600035	J8S-JW	no	068Z3383	no	TI-SMW	no
	Int	flare x solder	600036	J8S-JX60	+17°C	068Z3387	+15°C	—	—
<b>R407C</b>	Ext	flare x flare	600002	J8EF-NW	no	068Z3501	no	—	—
	Ext	flare x flare	600003	J8EF-NX100	+17°C	068Z3517	+15°C	—	—
	Ext	flare x solder	600016	J8ES-NW	no	068Z3446	no	—	—
	Ext	flare x solder	600017	J8ES-NX100	+17°C	068Z3447	+15°C	—	—
	Int	flare x flare	600023	J8F-NW	no	068Z3496	no	—	—
	Int	flare x flare	600024	J8F-NX100	+17°C	068Z3516	+15°C	—	—
	Int	flare x solder	600037	J8S-NW	no	—	no	—	—
	Int	flare x solder	600038	J8S-NX100	+17°C	068Z3329	+15°C	—	—

This information is intended only as a guide. For further information or selection assistance, please contact your local branch. Realcold accepts no liability for the information provided and any selection is the responsibility of the purchaser / installer.




**Cross Reference Table - J8 / T2 / TI**

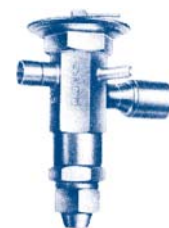
Refrigerant	Int / Ext	Inlet x Outlet Inch: 3/8" x 1/2" (inch)	Parker Item Number	J8 Code	MOP °C	T2/TE2 Part No	MOP °C	TI/TIE Part No	MOP °C
<b>R404A</b>	Ext	flare x flare	600004	J8EF-SW	no	068Z3403	no	TIE-SW	no
	Ext	flare x flare	600005	J8EF-SX110	+12°C	068Z3405	+15°C	—	—
	Ext	flare x flare	600006	J8EF-SX35	-17°C	068Z3409 068Z3411	-10°C -20°C	—	—
	Ext	flare x solder	600018	J8ES-SW	no	068Z3415	no	TIS-SW	no
	Ext	flare x solder	600019	J8ES-SX110	+12°C	068Z3417	+15°C	—	—
	Ext	flare x solder	600020	J8ES-SX35	-17°C	068Z3430 068Z3421	-10°C -20°C	—	—
	Int	flare x flare	600025	J8F-SW	no	068Z3400	no	TI-SW	no
	Int	flare x flare	600026	J8F-SX110	+12°C	068Z3402	+15°C	—	—
	Int	flare x flare	600027	J8F-SX35	-17°C	068Z3408 068Z3410	-10°C -20°C	—	—
	Int	flare x solder	600039	J8S-SW	no	068Z3414	no	TIS-SW	no
	Int	flare x solder	600040	J8S-SX110	+12°C	068Z3416	+15°C	—	—
	Int	flare x solder	600041	J8S-SX35	-17°C	068Z3429 068Z3420	-10°C -20°C	—	—
<b>R22</b>	Int	flare x solder	600061	J8S-VX100	+17°C	068Z3287	+15°C	—	—
	Int	flare x solder	600059	J8S-VW	no	068Z3281	no	TIS-HW	no
	Ext	flare x flare	600058	J8EF-VX100	+17°C	068Z3211	+15°C	—	—
	Ext	flare x solder	600057	J8ES-VX100	+17°C	068Z3290	+15°C	—	—
	Int	flare x flare	600054	J8F-VX100	+17°C	068Z3208	+15°C	—	—
	Int	flare x flare	600053	J8F-VW	no	068Z3206	no	TI-HW	no
	Ext	flare x solder	600052	J8ES-VW	no	068Z3284	no	TISE-HW	no
	Ext	flare x flare	600051	J8EF-VW	no	068Z3209	no	TIE-HW	no
<b>All</b>	—	J8 orifice & filter - 0X	506032	J8C-0X	—	068-2002	—	TI-00X	—
	—	J8 orifice & filter - 00	506033	J8C-00	—	068-2003	—	TI-000	—
	—	J8 orifice & filter - 01	506034	J8C-01	—	068-2010	—	TI-001	—
	—	J8 orifice & filter - 02	506035	J8C-02	—	068-2015	—	TI-002	—
	—	J8 orifice & filter - 03	506036	J8C-03	—	068-2006	—	TI-003	—
	—	J8 orifice & filter - 04	506037	J8C-04	—	068-2007	—	TI-004	—
	—	J8 orifice & filter - 05	506038	J8C-05	—	068-2008	—	TI-005	—
	—	J8 orifice & filter - 06	506039	J8C-06	—	068-2009	—	TI-006	—

This information is intended only as a guide. For further information or selection assistance, please contact your local branch. Realcold accepts no liability for the information provided and any selection is the responsibility of the purchaser / installer.



### Sporlan S and O-Series Valves

Refrigerant	Realcold Stock No.	Model	Connection	Charge	Capacity		Price \$ Excl. GST
					Tons	kW	
R22	SP0734	SVE-5	1/2" x 7/8" OD		C	5	17.5
	SP0737	SVE-8	5/8" x 7/8" OD		C	8	28.1
	SP0741	SVE-15	7/8" x 1.1/8" OD		C	15	52.7
	SP0756	OVE-20	7/8" x 1.3/8" OD	BP	C	20	70.3
	SP0757	OVE-30	1.1/8" x 1.3/8" OD	BP	C	30	105
	SP0758	OVE-40	1.1/8" x 1.3/8" OD	BP	C	40	140
	SP0761	OVE-40-CP100	1.1/8" x 1.3/8" OD	BP	CP100	40	140
	SP0764	OVE-55-CP100	1.1/8" x 1.3/8" OD	BP	CP100	55	193
R404A	SP0774	SSE-4-C	1/2" x 7/8" OD		C	4	13.7
	SP0777	SSE-6-C	5/8" x 7/8" OD		C	6	20.5
	SP0780	SSE-7-C	5/8" x 7/8" OD		C	7	23.9
	SP0786	SSE-10-C	5/8" x 7/8" OD		C	10	34.1
	SP0792	OSE-12	7/8" x 1.3/8" OD		C	12	40.9
	SP0803	SSE-4-Z	1/2" x 7/8" OD		Z	4	13.7
	SP0806	SSE-4-ZP	1/2" x 7/8" OD		ZP	4	13.7
	SP0809	SSE-6-Z	5/8" x 7/8" OD		Z	6	20.5
	SP0812	SSE-6-ZP	5/8" x 7/8" OD		ZP	6	20.5
	SP0814	SSE-7-Z	5/8" x 7/8" OD		Z	7	23.9
	SP0817	SSE-7-ZP	5/8" x 7/8" OD		ZP	7	23.9
	SP0820	SSE-10-Z	7/8" x 1.1/8" OD		Z	10	34.1
	SP0823	SSE-10-ZP	7/8" x 1.1/8" OD		ZP	10	34.1
	SP0841	OSE-21-Z	1.1/8" x 1.3/8" OD	BP	Z	21	74
	SP0842	OSE-21-ZP	1.1/8" x 1.3/8" OD	BP	ZP	21	74
	SP0845	OSE-30-Z	1.1/8" x 1.3/8" OD	BP	Z	30	105
	SP0846	OSE-30-ZP	1.1/8" x 1.3/8" OD	BP	ZP	30	105
	SP0849	OSE-35-ZP	1.1/8" x 1.3/8" OD	BP	ZP	35	120



Type S-Series



Type O-Series

### Sporlan TX Valve Replacement Heads

Realcold Stock No.	Description	Price \$ Excl. GST
SP1202	KIT KT33-VCPI00 - For R22, Commercial, MOP100. Suits P, Large O and H Series Valves	
SP1220	KT83-VCPI00 - For R22, Commercial, MOP100. Suits C, Small O and S Series Valves	
SP1221	KT83-VC - For R22, Commercial. Suits C, Small O and S Series Valves	
SP1224	KT83-SC - For R404A, Commercial. Suits C, Small O and S Series Valves	
SP1225	KT83-SZ - For R404A, Low Temp. Suits C, Small O and S Series Valves	
SP1234	KT83-RZP - For R507, Low Temp, MOP35. Suits C, Small O and S Series Valves	

**C Charge:** +10/-23°C Commercial Applications.

**CP100 Charge:** Air Conditioning MOP Charge

**Z Charge:** -18/-40°C Low Temperature

**ZP Charge:** -18/-40°C M.O.P. MOP valves are normally used to prevent hunting or compressor overload, or to limit flow at start-up under lightly loaded conditions. Can be used in place of a crankcase pressure regulator (in certain applications).

**BP Balanced Port:** Balanced port valves counteract effects of pressure drop (loss of valve efficiency) working well down to 25% rated capacity. All other valves operate to 35% of rated capacity.



### Sporlan Solenoid Valves (less coil)

Realcold Stock No.	Model	Coil	Description	Price \$ Excl. GST
SP1405	E5S120	MKC1	Solenoid Valve 1/4" OD	
SP1411	B6F1	MKC1	Solenoid Valve 3/8" MF	
SP1414	E6S130	MKC1	Solenoid Valve 3/8" OD	
SP1415	ME6S130	MKC1	Solenoid Valve 3/8" OD Manual Lift Version	
SP1427	B10F2	MKC2	Solenoid Valve 1/2" MF	
SP1430	E9S240	MKC2	Solenoid Valve 1/2" OD	
SP1431	ME9S240	MKC2	Solenoid Valve 1/2" OD Manual Lift Version	
SP1450	E14S250	MKC2	Solenoid Valve 5/8" OD	
SP1452	ME14S250	MKC2	Solenoid Valve 5/8" OD Manual Lift Version	
SP1462	E19S270	MKC2	Solenoid Valve 7/8" OD	
SP1464	ME19S270	MKC2	Solenoid Valve 7/8" OD Manual Lift Version	
SP1472	E25S290	MKC2	Solenoid Valve 1.1/8" OD	
SP1474	ME25S290	MKC2	Solenoid Valve 1.1/8" OD Manual Lift Version	
SP1827	ME35S1110	MKC1/ OMKC1	Solenoid Valve 1.3/8" OD Manual Lift Version	
SP1829	ME42S2130	MKC2	Solenoid Valve 1.5/8" OD Manual Lift Version	
SP1800	180	180 Solenoid Pilot Control 1/4" MF		



E9S240,  
E6S130,  
E5S120



E25S290,  
E19S270

- The **E5**, **E6** **E9** and **E14** are compact solenoids with Pilot Operated construction. They may be mounted Horizontal, Side On or in a Vertical Line.
- The **E19** and **E25** are Pilot Operated solenoids. They may be mounted Horizontal, Side On, or in a Vertical Line.
- All **E** series valves feature extended connections, for installation without disassembly, using low silver content brazing alloy.

### Sporlan Solenoid Coils

Realcold Stock No.	Model	Description	Price \$ Excl. GST
SP1900	MKC1	Solenoid Coil 240V 50HZ	
SP1901	MKC1E	Solenoid Coil 240V 50HZ	
SP1905	MKC2	Solenoid Coil 240V 50HZ	
SP1906	MKC2E	Solenoid Coil 240V 50HZ	



MKC-1, MKC-2



MKC1E

Many more models and variations are available - just ask your Realcold representative for advice.



### Parker Hannifin SpA Solenoid Valves (complete with coils)

Suitable for all HFC and HCFC refrigerants, in liquid, suction, or hot gas. Fluid temperature range -30°C to +105°C. All valves come complete with 240 volt ±10%, 50/60 Hz coil, wired, plus bracket.

Realcold Stock No.	Model	Orifice Size (mm)	Minimum Pressure (bar)	Max Diff. Pressure (MOPD) bar	Kv (m <sup>3</sup> /hr)	Price \$ Excl. GST
G0250	Parker 1/4" MF DA	3	0.0	21	0.27	
G0252	Parker 1/4" ODS DA	3	0.0	21	0.27	
G0254	Parker 3/8" MF DA	3	0.0	21	0.27	
G0255	Parker 3/8" MF PO	8	0.1	21	1.40	
G0260	Parker 3/8" ODS PO	8	0.1	21	1.40	
G0265	Parker 1/2" MF PO	10	0.1	21	1.75	
G0270	Parker 1/2" ODS PO	10	0.1	21	1.75	
G0275	Parker 5/8" MF PO	15	0.1	21	2.65	
G0280	Parker 5/8" ODS PO	15	0.1	21	2.65	
G0285	Parker 3/4" ODS PO	18	0.1	21	3.15	
G0290	Parker 7/8" ODS PO	18	0.1	21	3.50	
G0295	Parker 1 1/8" ODS PO	18	0.1	21	3.50	
G0298	Parker 1 3/8" ODS PO	25.4	0.14	21	8.80	



### Parker Hannifin SpA Solenoid Valve Spares (replacement Solenoid coils)

Realcold Stock No.	Model	Description			Price \$ Excl. GST
G0302	YE09	240 Volt	50/60 Hz	9 Watt	
G0312	ZB09	240 Volt	50/60 Hz	9 Watt (DIN 40050 = IP 65 Coil)	
G0301	JB14	240 Volt	50/60 Hz	14 Watt	
G0303	YB12	24 Volt	DC Coil	12 Watt	
G0307	YB19	240 Volt	50/60 Hz	11 Watt	
G0310	YB09	24 Volt	50/60 Hz	9 Watt	
G0313	For ZB09	Faston Connector for (G0312) (Coil DIN = IP 65)			
G0251	170511	Spare Solenoid Bracket			

**All valves come complete with 240 volt ±10%, 50/60 Hz coil, wired.**

Abbreviations: DA = Direct Acting. PO = Pilot Operated

Minimum Pressure: This is the lowest differential pressure required for the correct operation of the solenoid valve

Maximum Pressure: This refers to the highest differential operating pressure

(MOPD): With the lowest tolerance applied on the nominal voltage-coil

Kv = Flow Factor: Volume (m<sup>3</sup>/hr) flowing through the valve at a pressure drop of 1 bar across the valve at a temperature of 20°C



### Crankcase Pressure Regulators

Realcold Stock No.	Model	Pressure Range	Size	Price \$ Excl. GST
SP2003	CRO-6-0/60	0-60 psig	1/2" ODF	
SP2004	CRO-6-0/60	0-60 psig	5/8" ODF	
SP2009	CRO-6-30/110	30-110 psig	5/8" ODF	
SP2010	CRO-6-30/110	30-110 psig	7/8" ODF	
SP2012	CRO-10-0/60	0-60 psig	7/8" ODF	
SP2013	CRO-10-0/60	0-60 psig	1 1/8" ODF	
SP2014	CRO-10-0/60	0-60 psig	1 3/8" ODF	
SP2015	CRO-10-30/110	30-110 psig	7/8" ODF	
SP2016	CRO-10-30/110	30-110 psig	1 1/8" ODF	
SP2017	CRO-10-30/110	30-110 psig	1 3/8" ODF	



### Evaporator Pressure Regulators

Realcold Stock No.	Model	Pressure Range	Size	Price \$ Excl. GST
SP2100	ORIT-6	0 - 50 psig	1/2" MF	
SP2103	ORIT-6	0 - 50 psig	5/8" ODF	
SP2104	ORIT-6	0 - 50 psig	7/8" ODF	
SP2107	ORIT-6	30-100 psig	5/8" ODF	
SP2109	ORIT-6	30-100 psig	7/8" ODF	
SP2110	ORIT-6	30-100 psig	1.1/8" ODF	
SP2114	ORIT-10	30-100 psig	7/8" ODF	
SP2115	ORIT-10	30-100 psig	1.1/8" ODF	
SP2116	ORIT-10	30-100 psig	1.3/8" ODF	
SP2130	ORIT-10	0-50 psig	7/8" ODF	
SP2132	ORIT-10	0-50 psig	1.1/8" ODF	
SP2134	ORIT-10	0-50 psig	1.3/8" ODF	



- Refer to the Realcold Technical Department for capacity ratings.
- Many more models and variations are available.

### Evaporator Pressure Regulators (externally pilot operated)

Realcold Stock No.	Model	Pressure Range	Size	Price \$ Excl. GST
SP2160	(S) ORIT-12	0-100 psig	1.1/8" OD	
SP2162	(S) ORIT-15	0-100 psig	1.3/8" OD	
SP2164	(S) ORIT-20	0-100 psig	1.5/8" OD	



- (S) ORIT-PI's are Evaporator Pressure Regulating Valves Piloted Internally with an Electric Shut-off option, using a MKCI Coil - Supplied separately.



### Evaporator Pressure Regulators (internally pilot operated)

Realcold Stock No.	Model	Pressure Range	Size	Price \$ Excl. GST
SP2204	(S) ORIT-PI-27S	0-100 psig	7/8" OD	
SP2206	(S) ORIT-PI-29S	0-100 psig	1.1/8" OD	
SP2214	(S) ORIT-PI-39S	0-100 psig	1.1/8" OD	
SP2216	(S) ORIT-PI-311S	0-100 psig	1.3/8" OD	
SP2224	(S) ORIT-PI-513S	0-100 psig	1.5/8" OD	
SP2226	(S) ORIT-PI-517S	0-100 psig	2.1/8" OD	



(S) ORIT-PI

- (S) ORIT-PI's are Evaporator Pressure Regulating Valves Piloted Internally with an Electric Shut-off option, using a MKCT Coil - Supplied separately.

### Sporlan CDS Valves

The CDS family of valves provide precise temperature or pressure control of DX evaporators. Proper temperature is obtained by regulating refrigerant flow in the evaporator in response to signals generated by an electronic controller/sensor combination. Designed for low pressure drop, the CDS valves provide energy savings and are able to shorten pulldown time after defrost to one half or less than mechanical EPR valves. The extremely stable control helps compressor life by minimising changes in suction pressure that lead to short or excessive cycling.

Realcold Stock No.	Model	Description	Price \$ Excl. GST
SP2240	CDS9	5/8" Electronic evaporator pressure regulator	
SP2241	CDS9	7/8" Electronic evaporator pressure regulator	
SP2242	CDS9	1 1/8" Electronic evaporator pressure regulator	
SP2242A	CDS9	1 3/8" Electronic evaporator pressure regulator	
SP2244	CDS17	1 3/8" Electronic evaporator pressure regulator	
SP2245	CDS17	1 5/8" Electronic evaporator pressure regulator	
SP2246	CDS17	2 1/8" Electronic evaporator pressure regulator	



CDS-9



CDS-17

- Please contact one of our technical staff to assist you with selecting a suitable EPR valve for your application.
- n Nominal ratings at -10°C Evaporating temperature / 0.4bar pressure drop
- n Other valves sizes available on request - Please contact Realcold for details.

### Sporlan Hot Gas Bypass Valves

The TCB interface/controller allows all Sporlan step motors to be modulated in response to an externally generated signal. The IB and TCB accept a 4-20 milliamp, or 0-10 volt DC inputs and stroke the valve

proportionately to that signal. The TCB and IB allow use of the CDS or SDR valves with an existing DDC system or other generic temperature controller for hot gas bypass, evaporator temperature, or reclaim applications. When the TCB is purchased with optional set point potentiometer and sensor, the TCB becomes a stand alone single point temperature control for the CDS or SDR valves. The sensor is installed in the air stream or affixed to the pipe

containing the liquid to be controlled. The potentiometer is set to the temperature desired, and the TCB will modulate the valve to maintain tight temperature control. The TCB can be configured to "close on rise" or "open on rise" and requires only an external 24 volt AC 40 VA power source.

Realcold Stock No.	Model	Description	Price \$ Excl. GST
SP2360	ADRSE-2	1/2" ODF Hot Gas Bypass Valve 0-80 psig	





### Sporlan CO2 Product Range

Sporlan's growing line of products for CO2 is setting new standards for robust design and advanced technology. Contact your Realcold branch for more information.

Realcold Stock No.	Model Family	MRP/MOPD		Application	Price \$ Excl. GST
		psig	bar		
<b>Electric Expansion Valves</b>	SER	700	48	Subcritical DX, Secondary	
	SEI	620	43		
<b>Evaporator Control and Secondary Refrigerant Valves</b>	SEI	620	43	Subcritical DX, Secondary	
	SER	700	48		
	SDR	620	43		
	CDS	700	48		
<b>Controllers, Accessories</b>	ECM - CO2	—	—	Subcritical DX, Secondary	
	CO2 - Superheat	—	—		
	Kelvin CO2	—	—		
	Temperature Sensor	-40 - 210°F	-40 - 100°C		
	Pressure Transducer	500	34		
<b>Sightglass, Filter Drier</b>	See-All® Sightglass	650	45	Subcritical DX, Secondary	
	Catch-All® Filter Drier	650	45		
<b>Solenoid Valves</b>	E3	700/450	48/31	Subcritical DX, Secondary	
	E5S130-HP	700/450	48/31		
	E6S130-HP	700/450	48/31		
	E9S240-HP	700/450	48/31		
	E9S250-HP	700/450	48/31		
	E14S250-HP	700/450	48/31		
	E10S250-HP	700/450	48/31		

