

ROTOLOCK VALVES WITH DUAL ACCESS

STOCK NO.	CONNECTION SIZE		PRICE \$ excl. GST
	TUBE	ROTOLOCK	
H1006	1/4" MF	3/4"	56.50
H1007	3/8" ID	3/4"	51.50
H1009	3/8" MF	3/4"	56.50
H1012	1/2" ID	3/4"	56.50
H1013	1/2" MF	1"	62.50
H1014	1/2" ID	1"	56.50
H1017	5/8" ID	1"	56.50
H1018	5/8" ID	1-1/4"	58.00



STOCK NO.	CONNECTION SIZE		PRICE \$ excl. GST
	TUBE	ROTOLOCK	
H1031	3/4" ID	1-1/4"	85.00
H1036	7/8" ID	1-1/4"	94.00
H1037	7/8" ID	1-3/4"	98.00
H1040	1-1/8" ID	1-1/4"	105.00
H1042	1-1/8" ID	1-3/4"	153.00
H1045	1-3/8" ID	1-3/4"	166.00
H1047	1-5/8" ID	1-3/4"	177.00
H1048	1-5/8" ID	2-1/4"	265.00

ROTOLOCK VALVES WITH SINGLE ACCESS

STOCK NO.	CONNECTION SIZE		PRICE \$ excl. GST
	TUBE	ROTOLOCK	
H0990	3/8" ID	3/4"	51.00
H0991	1/2" ID	1"	51.00
H0992	5/8" ID	1"	56.50
H0993	5/8" ID	1-1/4"	58.00
H0994	7/8" ID	1-1/4"	94.50



STOCK NO.	CONNECTION SIZE		PRICE \$ excl. GST
	TUBE	ROTOLOCK	
H0996	1-1/8"	1-1/4"	106.50
H0997	1-1/8"	1-3/4"	153.00
H0998	1-3/8"	1-3/4"	166.00
H0999	1-5/8"	1-3/4"	177.00

ROTOLOCK STRAIGHT CONNECTOR

STOCK NO.	CONNECTION SIZE		PRICE \$ excl. GST
	TUBE	ROTOLOCK	
-	1/2" ID	1"	26.80
-	5/8" ID	1"	28.50
-	7/8" ID	1-1/4"	45.10
-	1-1/8" ID	1-1/4"	51.60
-	1-1/8" ID	1-3/4"	66.30



ROTOLOCK ANGLE CONNECTOR

STOCK NO.	CONNECTION SIZE		PRICE \$ excl. GST
	TUBE	ROTOLOCK	
-	1/2" ID	1"	33.80
H1115	5/8" ID	1"	35.30
H1117	7/8" ID	1"	44.50
-	7/8" ID	1-1/4"	49.20
-	1-1/8" ID	1-1/4"	66.90
-	1-1/8" ID	1-3/4"	79.80

ROTOLOCK SPUDS

STOCK NO.	CONNECTION SIZE	PRICE \$ excl. GST
H1065	3/8" ID x 3/4" RL Nut	29.40
H1068	1/2" ID x 1" RL Nut	29.40
H1074	3/4" ID x 1-1/4" RL Nut	29.90
H1080	1-3/8" ID x 1-3/4" RL Nut	37.60
H1083	1-5/8" ID x 2-1/4" RL Nut	76.70



TEFLON FIBRE SEALS

STOCK NO.	TO SUIT	PRICE \$ excl. GST
H1103	3/4" Rololock	2.85
H1104	1" Rololock	2.85
H1105	1-1/4" Rololock	2.85
H1106	1-3/4" Rololock	2.85
H1108	2-1/4" Rololock	2.85

PRESSURE RELIEF VALVES

STOCK NO.	PRODUCT NUMBER	SIZE CONNECTIONS		PRESSURE SETTINGS		PRICE \$ excl. GST
		Inlet	Outlet	(PSI)	kPa	
G0600	3016	3/8" NPT	1/2" MF	(400)	2880	135.00
G0603	3016	3/8" NPT	1/2" MF	(450)	3185	135.00
G0605	3020	1/2" NPT	5/8" NPT	(400)	2880	155.00
G0608	3020	1/2" NPT	5/8" NPT	(425)	2912	155.00
G0610	3020	1/2" NPT	5/8" NPT	(450)	3185	155.00



RUPTURE DISCS

STOCK NO.	PRODUCT NUMBER	SIZE CONNECTIONS		PRESSURE SETTINGS		PRICE \$ excl. GST
		Inlet	Outlet	(PSI)	kPa	
G0650	5526	1/2" MPT	1/2" FPT	(400)	2880	298.00
G0653	5526	1/2" MPT	1/2" FPT	(450)	3185	298.00



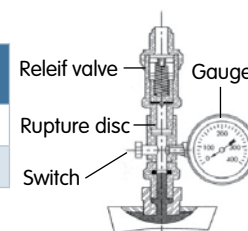
DUAL PRESSURE RELIEF CHANGOVER MANIFOLD

STOCK NO.	PRODUCT NUMBER	SIZE CONNECTIONS		PRICE \$ excl. GST
		Inlet	Outlet	
G0685	A17921	1/2" MPT	2 x 1/2" FPT	295.00
G0686	A17922	3/4" MPT	2 x 1/2" FPT	295.00



RELEIF SIGNAL PRESSURE SWITCH & GAUGE

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	CONNECTION SIZE	PRESSURE	PRICE \$ excl. GST
G0688	G15	Pressure gauge	1/8" MPT	600 psi max	48.00
G0690	FF31F5HBMS	Signal Switch	1/8" MPT	210 psi switch	69.70



- The above pressure switch and gauge can be installed to signal that a rupture disc has been activated.
- Pressure relief valves should be selected to activate at a higher pressure than the rupture disc, this ensures that a high pressure fault is signalled and corrected via the signal switch before refrigerant is released.

RANCO FOUR WAY REVERSING VALVES (240V Coil & Lead Included)

STOCK NO.	PRODUCT NUMBER	CONNECTIONS		NOM KW (R22)		NOM KW (R410A)		PRICE \$ excl. GST
		DISCH	SUCT	MIN	MAX	MIN	MAX	
G0695	V2-408064-2IL	3/8	1/2	2.6	7.0	3.2	7.7	115.00
G0698	V3-410084-7IL	1/2	5/8	3.5	9.8	4.2	10.9	148.00
G0700	V6-412084-1IL	1/2	3/4	3.5	19.3	4.2	23.5	240.00
G0703	V6-414084-1IL	1/2	7/8	3.5	19.3	4.2	23.5	240.00
G0705	V10-414084-2IL	1/2	7/8	15.8	34.8	19.7	41.8	298.00
G0708	V10-414124-2IL	3/4	7/8	15.8	34.8	19.7	41.8	298.00
G0710	V10-418144-2IL	7/8	1-1/8	15.8	39.4	19.7	47.5	320.00
G0713	V12-4220T4-1IL	1-1/8	1-3/8	21.1	49.2	26.4	59.1	580.00



- Capacity based om +7.2deg evaporating / 54.4deg Condensing. Max capacity at 14kpa pressure drop.

RANCO REPLACEMENT COILS

STOCK NO.	PRODUCT NUMBER	VOLTAGE	SUITS	PRICE \$ excl. GST
G0715B	LDK-41	240V AC	New Series-4 - V2 to V12	49.00
G0718A	LDK-11	24V AC		49.00
G0718	L30-120000-00	24V AC	Suits Series V2 to V12	70.00
G0723	L30-830000-SG	12V DC		75.00



HAND SHUT-OFF VALVES - FLARE

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0841	1/4" MF	62.00
H0842	3/8" MF	62.00
H0843	1/2" MF	105.00
H0844	5/8" MF	105.00



HAND SHUT-OFF VALVES - SOLDER

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0820	1/4" ID	105.00
H0821	3/8" ID	105.00
H0822	1/2" ID	135.00
H0823	5/8" ID	135.00

CAPPED LINE VALVES - FLARE

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0850	1/4" FLARE	78.00
H0850A	3/8" FLARE	96.00
H0850B	1/2" FLARE	104.00
H0850C	5/8" FLARE	125.00



CAPPED LINE VALVES - SOLDER

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0851	1/4" ID	72.00
H0852	3/8" ID	89.00
H0853	1/2" ID	95.00
H0854	5/8" ID	118.00

CAPPED LINE VALVES - ANGLE MFxBSP

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0859	1/4" MF x 1/4" MBSP	78.00
H0864	1/4" MF x 3/8" MBSP	84.00
H0866	1/4" MF x 1/2" MBSP	108.00

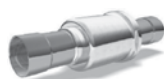


CAPPED LINE VALVES - ANGLE MFxBSP

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0861	3/8" MF x 1/4" MBSP	88.00
H0862	3/8" MF x 3/8" MBSP	92.00
H0865	1/2" MF x 1/2" MBSP	115.00

REFRIGERA CHECK VALVES

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0900	1/4" OD	68.00
H0901	3/8" OD	68.00
H0902	1/2" OD	75.00
H0903	5/8" OD	117.00
H0904	7/8" OD	156.00



- Sealed brass body with copper tails
- Positive sealing / low dp

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0905	1-1/8" OD	226.00
H0906	1-3/8" OD	373.00
H0907	1-5/8" OD	420.00
H0908	2-1/8" OD	638.00

- Sealed brass body with copper tails
- Positive sealing / low dp

MUELLER ACCESSIBLE CHECK VALVES

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0894	1-1/8" OD	372.00
H0895	1-3/8" OD	482.00
H0896	1-5/8" OD	520.00



- Brass body - 4 bolt accessible

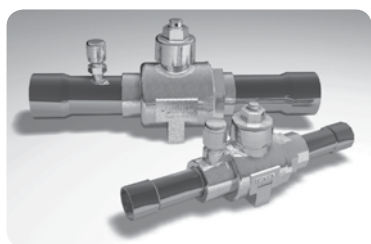
STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0897	2-1/8" OD	924.00
H0898	2-5/8" OD	2445.00

- Brass body - 4 bolt accessible

Mueller Four-Bolt Check Valves

Four-bolt check valves feature forged brass bodies that exceed the most stringent quality standards in the industry. The four-bolt flanges allow easy removal and reassembly of internal components. Suitable for either horizontal or vertical installation, the "Y" type design provides increased flow capacity and minimal pressure drop. The non-asbestos gasket material and O-ring seal ensure absolute seal integrity while heat-stabilized Teflon seats provide a positive seal across wide temperature ranges. Our four-bolt check valves also feature back-pressure shutoff at low pressure differentials and special springs for various differential applications.

REFRIGERA BALL VALVES



Refriger Ball Valves are a high quality European manufactured ball valve. These valves have large port sizes offering low pressure drop and may be used on high and low pressure refrigerant lines for either gas or liquid service. Suitable for HCFC, HFC refrigerants, including R410A and with 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.

BALL VALVES (Without Access Port)

STOCK NO.	CONNECTION SIZE (I.D)		PORT SIZE (mm)	TOTAL LENGTH (mm)	PRICE \$ excl. GST
	INCH	mm			
H0879	1/4"	6	8	126	47.00
H0869	3/8"	10	8	132	49.00
H0870	1/2"	12	8	139	51.00
H0871	5/8"	16	15	148	65.00
H0880	3/4"	19	15	148	69.00
H0872	7/8"	22	19	185	95.00
H0873	1 1/8"	28	25	205	132.00
H0874	1 3/8"	35	32	205	172.00
H0875	1 5/8"	42	40	240	245.00
H0876	2 1/8"	54	51	270	328.00
H0877	2 5/8"	67	65	360	1033.00
H0880	3"	76	65	360	1158.00
H0878	3 1/8"	80	65	360	1170.00



BALL VALVES (With Access Port)

STOCK NO.	CONNECTION SIZE (I.D)		PORT SIZE (mm)	TOTAL LENGTH (mm)	PRICE \$ excl. GST
	INCH	mm			
H0879A	1/4"	6	8	126	52.00
H0869A	3/8"	10	8	132	54.00
H0870A	1/2"	12	8	139	56.00
H0871A	5/8"	16	15	148	70.00
H0880A	3/4"	19	15	148	74.00
H0872A	7/8"	22	19	185	100.00
H0873A	1 1/8"	28	25	205	137.00
H0874A	1 3/8"	35	32	205	177.00
H0875A	1 5/8"	42	40	240	250.00
H0876A	2 1/8"	54	51	270	333.00
H0877A	2 5/8"	67	65	360	1038.00
H0880A	3"	76	65	360	1163.00
H0878A	3 1/8"	80	65	360	1175.00



■ Maximum working pressure is 45bar / Maximum temperature range -40°C to +150°C

DANFOSS T2 SERIES



- Most commonly used TX valve means direct replacements are readily available
- Compact dimensions allows valve to be fitted in tight spots with limited space
- Laser-welded stainless steel power element provides high pressure tolerance
- Stainless steel element, capillary & bulb offers high corrosion and vibration resistance
- Easy adjustment of superheat setting

STOCK NO.	MODEL	REFRIGERANT	TEMPERATURE RANGE (°C)	EQUALISED	CONNECTIONS			PRICE \$ excl. GST
					TYPE	IN	OUT	
F2016	TN2	R134A	+10 to -40	INT	FLARE	3/8"	1/2"	119.00
F2018	TEN2			EXT				158.00
F2028	TN2S			INT	SOLDER	3/8"	1/2"	127.00
F2030	TEN2S			EXT				175.00
F2012	TX2	R22	+10 to -40	INT	FLARE	3/8"	1/2"	119.00
F2014	TEX2			EXT				158.00
F2024	TX2S			INT	SOLDER	3/8"	1/2"	127.00
F2026	TEX2S			EXT				175.00
F2020	TS2	R404A	+10 to -40	INT	FLARE	3/8"	1/2"	119.00
F2022	TES2			EXT				158.00
F2032	TS2S			INT	SOLDER	3/8"	1/2"	127.00
F2034	TES2S			EXT				175.00
F2023A	TS2	R404A (MOP)	-15 to -40	INT	FLARE	3/8"	1/2"	119.00
F2023	TES2			EXT				158.00
F2034B	TS2S			INT	SOLDER	3/8"	1/2"	127.00
F2034A	TES2S			EXT				175.00

ORIFICES

STOCK NO.	ORIFICE NUMBER	NOMINAL CAPACITY KW						PRICE \$ excl. GST
		R134A		R404A		R22		
		-5/40	-25/40	-5/40	-25/40	-5/40	-25/40	
F2056	0X	0.46	0.39	0.42	0.36	0.61	0.58	34.50
F2058	00	0.83	0.68	0.89	0.64	1.30	1.10	34.50
F2060	1.0	1.6	1.1	2.0	1.3	2.7	2.1	34.50
F2062	02	2.3	1.5	3.0	1.8	3.9	2.9	34.50
F2064	03	4.0	2.7	5.3	3.5	7.0	5.2	34.50
F2066	04	5.9	3.9	7.9	5.2	10.4	7.7	34.50
F2068	05	7.5	4.9	9.9	6.6	13.2	9.7	34.50
F2070	06	9.2	6.1	12.1	7.9	16.0	11.8	34.50

- Nominal capacities are based at 4k sub-cooling.
- Valves should be initially installed with the factory setting of 5k unaltered.
- Should adjustment be necessary, remove the sealing cap and adjust the spindle.
 - **Clockwise turn** - Reduces flow, thus increasing superheat.
 - **Anti-clockwise turn** - Increases flow, decreasing superheat.

DANFOSS TUA SERIES



- The use of stainless steel makes the valves light and strong
- Bi-metal connections for safe, fast and convenient soldering
- Stainless steel capillary tube for superior strength and ductility
- Allen key superheat setting screw is convenient and space-saving
- Orifice can be easily replaced without the need to remove the valve

STOCK NO.	MODEL	REFRIGERANT	TEMPERATURE RANGE (°C)	EQUALISED	CONNECTIONS			PRICE \$ excl. GST
					TYPE	IN	OUT	
F2040	TUA	R134A	+10 to -40	INT	SOLDER	3/8"	1/2"	180.00
F2042	TUAE			EXT				208.00
F2044	TUA	R404A	+10 to -40	INT	SOLDER	3/8"	1/2"	180.00
F2046	TUAE			EXT				208.00

ORIFICES

STOCK NO.	ORIFICE NUMBER	NOMINAL CAPACITY KW				PRICE \$ excl. GST
		R134A		R404A		
		-5/45	-25/45	-5/45	-25/45	
F2072	0	0.46	0.31	0.41	0.29	46.60
F2074	1	0.64	0.38	0.57	0.39	46.60
F2076	2	0.87	0.45	0.80	0.47	46.60
F2078	3	1.2	0.66	1.15	0.62	46.60
F2080	4	1.8	0.97	1.7	0.97	46.60
F2082	5	2.4	1.3	2.3	1.3	46.60
F2084	6	3.6	1.9	3.4	2.0	46.60
F2086	7	4.9	2.6	4.6	2.6	46.60
F2088	8	7.3	3.9	6.8	4.0	46.60
F2090	9	10.8	5.7	10.2	5.8	46.60

- Nominal capacities are based at 4k sub-cooling.
- **Valves should be initially installed with the factory setting of 4k unaltered.**
- Should adjustment be necessary, remove the sealing cap and adjust the spindle.
 - **Clockwise turn** - Reduces flow, thus increasing superheat.
 - **Anti-clockwise turn** - Increases flow, decreasing superheat.

HONEYWELL TMV SERIES

Honeywell



- Special '**Adsorber Charge**' bulb offers trouble-free operation and allows valve to be installed in any position without risk of charge migration/reversal and subsequent loss of control
- **Adsorber Charge** bulb provides stable operation even at very low superheat setting (3k)
- Reliable factory setting means valve usually does not need adjustment after fitting
- Factory set static superheat of only 3k, offers increase in evaporator capacity, resulting in improved overall system performance and increased energy efficiency (Higher COP)
- Increased evaporator capacity & Lower superheat can provide higher room RH where required

STOCK NO.	MODEL	REFRIGERANT	TEMPERATURE RANGE (°C)	EQUALISED	CONNECTIONS			PRICE \$ excl. GST
					TYPE	IN	OUT	
F1602	TMV	R134A	+15 to -30	INT	FLARE	3/8"	1/2"	105.00
F1604	TMVX			EXT				135.00
F1652	TMVBL			INT	SOLDER	3/8"	1/2"	115.00
F1654	TMVXBL			EXT				149.00
F1606	TMV	R22	0 to -50	INT	FLARE	3/8"	1/2"	105.00
F1608	TMVX			EXT				135.00
F1656	TMVBL			INT	SOLDER	3/8"	1/2"	115.00
F1658	TMVXBL			EXT				149.00
F1610	TMV	R404A	0 to -50	INT	FLARE	3/8"	1/2"	105.00
F1612	TMVX			EXT				135.00
F1660	TMVBL			INT	SOLDER	3/8"	1/2"	115.00
F1662	TMVXBL			EXT				149.00
F1616	TMV	R404A (MOP50)	-20 to -50	INT	FLARE	3/8"	1/2"	105.00
F1617	TMVX			EXT				135.00
F1614	TMVBL			INT	SOLDER	3/8"	1/2"	115.00
F1615	TMVXBL			EXT				149.00

ORIFICES

STOCK NO.	ORIFICE NUMBER	NOMINAL CAPACITY KW						PRICE \$ excl. GST
		R134A		R404A		R22		
		-5/40	-25/40	-5/40	-25/40	-5/40	-25/40	
F1618	0.3	0.34	0.21	0.35	0.23	0.52	0.36	32.50
F1620	0.5	0.65	0.41	0.66	0.43	0.98	0.69	32.50
F1622	0.7	0.90	0.56	0.94	0.61	1.35	0.94	32.50
F1624	1.0	1.29	0.81	1.36	0.88	1.97	1.38	32.50
F1626	1.5	2.09	1.32	2.15	1.40	3.16	2.21	32.50
F1628	2.0	2.69	1.79	2.72	1.77	3.99	2.79	32.50
F1630	2.5	3.78	2.38	3.93	2.56	5.75	4.02	32.50
F1632	3.0	6.17	3.88	6.27	4.09	9.17	6.41	32.50
F1634	3.5	8.16	5.13	8.24	5.37	12.12	8.48	32.50
F1636	4.5	11.04	6.95	11.52	7.50	16.89	11.81	32.50
F1638	4.75	14.92	9.39	15.17	9.88	22.27	15.58	32.50

- Nominal capacities are based at 1k sub-cooling.
- **Valves should be initially installed with the factory setting of 3k unaltered.**
- Should adjustment be necessary, remove the sealing cap and adjust the spindle.
 - **Clockwise turn** - Reduces flow, thus increasing superheat - Approx 0.55 Bar change per turn.
 - **Anti-clockwise turn** - Increases flow, decreasing superheat - Approx 0.55 Bar change per turn.

HONEYWELL TMLX SERIES

Honeywell



- Modular system means valve can be easily adapted after installation without removal
- Balanced port design provides constant superheat at varying conditions & condensing temps
- Bulb charge optimised to provided stable operation even at low superheat setting
- Factory set static superheat of only 3.5k, offers increase in evaporator capacity, resulting in improved system performance and overall system efficiency (Increased COP)
- Increased evaporator capacity & Lower superheat can provide higher room RH where required
- Large capacity range with only one valve body

POWER ELEMENTS - UPPER HOUSING

STOCK NO.	REFRIGERANT	TEMPERATURE RANGE (°C)	PRICE \$ excl. GST
F1053	R22	+10 to -40	237.50
F1096	R134A	+10 to -45	237.50
F1098	R404A	+10 to -50	237.50
F1098A	R404A (MOP30)	-18 to -50	237.50



VALVE BODY

STOCK NO.	ITEM	CONNECTIONS		PRICE \$ excl. GST
		IN	OUT	
F1060	ANGLE BODY (90°)	5/8"	7/8"	73.90
F1062	STRAIGHT BODY	5/8"	7/8"	73.90



ORIFICE ASSEMBLY

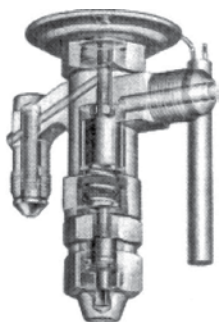
STOCK NO.	ORIFICE NUMBER	NOMINAL CAPACITY KW						PRICE \$ excl. GST
		R134A		R404A		R22		
		-5/40	-25/40	-5/40	-25/40	-5/40	-25/40	
F1063	4.5	11.0	6.9	11.5	7.5	16.9	11.8	125.00
F1064	4.75	14.9	9.4	15.2	9.9	22.3	15.6	125.00
F1065	5.0	18.7	11.8	19.7	12.8	28.9	20.2	125.00
F1070	6.0	25.9	16.3	28.7	18.7	42.2	29.5	125.00
F1075	7.0	33.1	20.8	36.8	24.0	54.2	37.9	125.00
F1080	8.0	40.6	25.5	43.4	28.3	63.8	44.7	125.00
F1085	10.0	47.8	30.1	50.8	33.1	74.7	52.3	125.00



- Nominal capacities are based at 1k sub-cooling. Please contact Realcold for capacities at other conditions.
- **Valves should be initially installed and adjusted for factory setting of 3.5k (see inclosed instructions)**
- Should adjustment be necessary, remove the sealing cap and adjust the spindle.
 - **Clockwise turn** - Reduces flow, thus increasing superheat - Approx 0.3 Bar change per turn.
 - **Anti-clockwise turn** - Increases flow, decreasing superheat - Approx 0.3 Bar change per turn.



**OUTSTANDING FEATURES
& BENEFITS OF SPORLAN
EXPANSION VALVES**



SPORLAN EXPANSION VALVES & THERMAL ELEMENTS

- **SELECTIVE THERMOSTATIC CHARGES** Designed to provide optimum performance for all applications: air conditioning and heat pump, medium and low temperature refrigeration.
- **THERMOSTATIC ELEMENT DESIGN** Long lasting and field proven stainless steel diaphragm and welded element construction.
- **DIAPHRAGM DESIGN** Large flat diaphragm permits precise valve control.
- **REPLACEABLE THERMOSTATIC ELEMENTS** Field replaceable elements on all standard valves.
- **BALANCED PORT DESIGN** Provides perfect pin and port alignment, and prevents changes in pressure drop across the valve from influencing valve operation. Provides excellent control on applications with widely varying operating conditions.
- **PIN CARRIER DESIGN (CONVENTIONAL VALVES)** Provides precise pin and port alignment, and tighter seating.
- **ACCESSIBLE INTERNAL PARTS** Durable, leakproof body joint construction allows the valve to be disassembled, and the internal parts cleaned and inspected.
- **MATERIALS OF CONSTRUCTION** Pin and port materials offer maximum protection against corrosion and erosion.
- **SILVER SOLDERED CONNECTIONS** For leakproof, high strength connection-to-body joints.
- **ADJUSTABLE SUPERHEAT DESIGN** All standard valves are externally adjustable except the Type NI, which is internally adjustable through its outlet connection.

SPORLAN SELECTIVE CHARGES ENGINEERED FOR PEAK PERFORMANCE FOR EACH SPECIFIC APPLICATION

RECOMMENDED THERMOSTATIC CHARGES											
APPLICATION	REFRIGERANT										ACTUAL THERMOSTATIC CHARGES
	12 409A	22 407A	134a	401A	402A	404A	407C	502 408A	507	717	
AIR CONDITIONING	FCP60	-	JCP60	XCP60	-	-	-	-	-	-	FCP60
	-	VCP100	-	-	-	-	NCP100	-	-	-	VCP100
	-	VGA	-	-	-	-	NGA	-	-	-	VGA
	-	-	-	-	-	SCP115	-	RCP115	-	-	SCP115
COMMERCIAL REFRIGERATION +10°C to -25°C	FC	-	JC	XC	-	-	-	-	-	-	FC
	-	VC	-	-	-	-	NC	-	-	-	VC
	-	-	-	-	-	SC	-	RC	-	-	SC
	-	-	-	-	LC	-	-	-	PC	-	PC
	-	-	-	-	-	-	-	-	-	AC, AL	AC, AL
LOW TEMPERATURE REFRIGERATION -20°C to -40°C	FZ	-	-	-	-	-	-	-	-	-	FZ
	FZP	-	-	-	-	-	-	-	-	-	FZP
	-	VZ	-	-	-	-	-	-	-	-	VZ
	-	VZP40	-	-	-	-	-	-	-	-	VZP40
	-	-	-	-	LZ	SZ	-	RZ	PZ	-	SZ
	-	-	-	-	LZP	SZP	-	RZP	PZP	-	SZP
	-	-	-	-	-	-	-	-	-	AZ, AL	AZ, AL
EXTREME LOW TEMP. REFRIGERATION -40°C to -75°C	-	VX	-	-	-	-	-	-	-	-	VX
	-	-	-	-	LX	SX	-	RX	PX	-	SX

Application Factors:

- Type ZP charges have essentially the same characteristics as Type Z charge with exception that ZP charges produce a pressure limit (MOP). ZP charges are not intended as replacements for Z charges. Each should be selected for its own unique purpose.
- All air conditioning and heat pump charges are intended for use with externally equalised expansion valves.
- The Type X charges for extreme low temperature applications are not to be used with "EBS" and "O" valves.
- If in doubt as to which charge to use, contact your nearest Realcold Sales Branch with complete system data.

Q & BQ SERIES



- Changeable orifice and power element makes Q & BQ a truly universal valve
- Small brass body with ODS connections inlet fitting
- Removable 100 mesh strainer, which can be cleaned and/or replaced without removing the valve from the line
- BQ valves have a balanced port design, offering stable control at a wide range of operating conditions



Q SERIES VALVES

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
SP0077	Q-SAE	Q Valve Body MF Internally Equalised	117.50
SP0076	QE-SAE	Q Valve Body MF Externally Equalised	132.50
SP0079	SQ-ODS	Q Valve Body OD Internally Equalised	79.50
SP0078	SQE-ODS	Q Valve Body OD Externally Equalised	94.50

Q CARTRIDGE

STOCK NO.	PRODUCT NUMBER	ORIFICE SIZE (COLOUR CODE)	NOMINAL CAPACITY kW			PRICE \$ excl. GST
			R404A	R22	R134a	
SP0086	Q-0	Q-0 Red	0.6	1.2	0.6	15.50
SP0087	Q-1	Q-1 Yellow	0.9	2.6	0.9	15.50
SP0088	Q-2	Q-2 Green	1.8	3.5	1.8	15.50
SP0089	Q-3	Q-3 Blue	3.5	5.3	3.5	15.50
SP0090	Q-4	Q-4 Pink	5.3	8.8	5.3	15.50
SP0091	Q-5	Q-5 Black	7.0	12.3	7.0	15.50
SP0092	Q-6	Q-6 White	10.6	17.6	8.8	15.50



BQ SERIES VALVES

STOCK NO.	MODEL	DESCRIPTION	PRICE \$ excl. GST
SP0073	BQ-SAE	BQ Valve Body MF Internally Equalised	134.00
SP0074	BQE-SAE	BQ Valve Body MF Externally Equalised	150.00
SP0071	SBQ-ODS	BQ Valve Body OD Internally Equalised	149.50
SP0072	SBQE-ODS	BQ Valve Body OD Externally Equalised	165.50



BQ CARTRIDGE

STOCK NO.	PRODUCT NUMBER	ORIFICE SIZE (COLOUR CODE)	NOMINAL CAPACITY kW			PRICE \$ excl. GST
			R404A	R22	R134a	
SP0080	BQ-AAA	AAA Red	0.7	1.2	0.7	39.90
SP0081	BQ-AA	AA Yellow	1.2	2.3	1.2	39.90
SP0082	BQ-A	A Blue	3.5	5.3	3.5	39.90
SP0083	BQ-B	B Pink	7.0	10.6	6.2	39.90
SP0084	BQ-C	C White	10.6	19.3	10.6	39.90

POWER ELEMENTS

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	PRICE \$ excl. GST
SP0020	KT-43-VC	R22	+10°C to -25°C	77.50
SP0021	KT43-VCPI00		Air Conditioning	77.50
SP0030	KT43JC-5	134A	+10°C to -25°C	77.50
SP0031	KT43JC60-5		Air Conditioning	77.50
SP0040	KT43SC-5	404A	+10°C to -25°C	77.50
SP0041	KT43SZ-5		-20°C to -40°C	77.50
SP0042	KT43SZP-5		-20°C to -40°C (MOP)	77.50

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SBF SERIES (Balanced Port)



- Balanced port design offers stable control
- ODF solder connections with forged brass inlet fitting
- Removable thermostatic elements allows field replacement
- Removable 100 mesh strainer, which can be cleaned and/or replaced without removing the valve from the line

STOCK NO	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0407	SBFJE-AAA-C	R134A	MED TEMP	0.7	3/8" x 1/2"	JC	43	245.00
SP0408	SBFJE-AA-C			1.2				245.00
SP0410	SBFJE-A-C			3.5				245.00
SP0412	SBFJE-B-C			7.0				245.00
SP0414	SBFJE-C-C			10.6				245.00
SP0430	SBFPE-AAA-C	R507	MED TEMP	0.7	3/8" x 1/2"	PC	43	245.00
SP0431	SBFPE-AA-C			1.2				245.00
SP0432	SBFPE-A-C			3.5				245.00
SP0433	SBFPE-B-C			7.0				245.00
SP0434	SBFPE-C-C			10.6				245.00
SP0435	SBFPE-AAA-Z	R507	LOW TEMP	0.7	3/8" x 1/2"	PZ	43	245.00
SP0436	SBFPE-AA-Z			1.2				245.00
SP0437	SBFPE-A-Z			3.5				245.00
SP0438	SBFPE-B-Z			7.0				245.00
SP0439	SBFPE-C-Z			10.6				245.00
SP0456	SBFSE-AAA-C	R404A	MED TEMP	0.7	3/8" x 1/2"	SC	43	245.00
SP0455	SBFSE-AA-C			1.2				245.00
SP0457	SBFSE-A-C			3.5				245.00
SP0458	SBFSE-B-C			7.0				245.00
SP0459	SBFSE-C-C			10.6				245.00
SP0460	SBFSE-AAA-Z	R404A	LOW TEMP	0.7	3/8" x 1/2"	SZ	43	245.00
SP0461	SBFSE-AA-Z			1.2				245.00
SP0462	SBFSE-A-Z			3.5				245.00
SP0463	SBFSE-B-Z			7.0				245.00
SP0464	SBFSE-C-Z			10.6				245.00
SP0450	SBFVE-AAA-C	R22	MED TEMP	1.2	3/8" x 1/2"	VC	43	245.00
SP0451	SBFVE-AA-C			2.3				245.00
SP0452	SBFVE-A-C			5.3				245.00
SP0453	SBFVE-B-C			10.6				245.00
SP0454	SBFVE-C-C			19.3				245.00

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S-SERIES VALVES



- General purpose valve for commercial refrigeration applications
- Brass body with silver soldered connections for leakproof, high strength connection.
- Accessible internal construction allows the valve to be disassembled, and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement
- Inlet has a permanent 12 mesh strainer



STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0605	SJE-2-C	R134a	MED TEMP	7.0	1/2" x 5/8"	JC	83	269.50
SP0606	SJE-3-C			10.6	1/2" x 7/8"			269.50
SP0607	SJE-5-C			17.6	5/8" x 7/8"			269.50
SP0609	SJE-6-C			21.1				269.50
SP0611	SJE-10-C			35.2	7/8" x 1 1/8"			269.50
SP0773	SSE-3-C	R404A	MED TEMP	10.6	1/2" x 7/8"	SC	83	269.50
SP0774	SSE-4-C			14.1	5/8" x 7/8"			269.50
SP0777	SSE-6-C			21.1				269.50
SP0780	SSE-7-C			24.6	269.50			
SP0786	SSE-10-C			35.2	7/8" x 1 1/8"			269.50
SP0806	SSE-4-Z	R404A	LOW TEMP	14.1	1/2" x 7/8"	SZ	83	269.50
SP0809	SSE-6-Z			21.1	5/8" x 7/8"			269.50
SP0814	SSE-7-Z			24.6				269.50
SP0820	SSE-10-Z			35.2	7/8" x 1 1/8"			269.50
SP0807	SSE-4-ZP	R404A	LOW TEMP (MOP 50)	14.1	1/2" x 7/8"	SZP	83	269.50
SP0812	SSE-6-ZP			21.1	5/8" x 7/8"			269.50
SP0817	SSE-7-ZP			24.6				269.50
SP0823	SSE-10-ZP			35.2	7/8" x 1 1/8"			269.50
SP0950	SPE-4 -C	R507	MED TEMP	14.1	5/8" x 7/8"	PC	83	269.50
SP0953	SPE-6-C		21.1	269.50				
SP0951	SPE-4-Z		LOW TEMP	14.1	5/8" x 7/8"	PZ		269.50
SP0954	SPE-6-Z		21.1	269.50				
SP0732	SVE-3-C	R22	MED TEMP	10.6	1/2" x 5/8"	VC	83	269.50
SP0733	SVE-4-C			14.1	1/2" x 7/8"			269.50
SP0734	SVE-5-C			17.6	1/2" x 7/8"			269.50
SP0737	SVE-8-C			28.1	5/8" x 7/8"			269.50
SP0739	SVE-10-C			35.2				269.50
SP0741	SVE-15-C			52.8	7/8" x 1 1/8"			269.50

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EBS SERIES (Balanced Port)



- General purpose valve for commercial refrigeration applications
- Balanced port design offers stable control
- Extended solder connections for ease of installation
- Accessible internal construction allows the valve to be disassembled and the internal parts cleaned and inspected.
- Removable thermostatic elements allows field replacement
- Inlet has a permanent 12 mesh strainer



STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0964	EBSSE-6-C	R404A	MED TEMP	21.1	5/8" x 7/8"	C	83	290.00
SP0965	EBSSE-7 1/2-C			26.4				290.00
SP0966	EBSSE-10-C			35.2	7/8" x 1 1/8"			315.00
SP0967	EBSSE-13-C			45.7	7/8" x 1 3/8"			315.00
SP0969	EBSSE-6-Z	R404A	LOW TEMP	21.1	5/8" x 7/8"	Z	83	290.00
SP0971	EBSSE-7 1/2-Z			26.4				290.00
SP0973	EBSSE-10-Z			35.2	7/8" x 1 1/8"			315.00
SP0975	EBSSE-13-Z			45.7	7/8" x 1 3/8"			315.00
SP0960	EBSVE-8-C	R22	MED TEMP	28.1	5/8" x 7/8"	C	83	290.00
SP0961	EBSVE-11-C			38.7				290.00
SP0962	EBSVE-15-C			52.8	7/8" x 1 1/8"			315.00
SP0963	EBSVE-20-C			70.3	7/8" x 1 3/8"			315.00

O SERIES (Balanced Port)



- General purpose valve for commercial refrigeration applications
- Balanced port design offers stable control
- Brass body with silver soldered connections for leakproof, high strength
- Accessible internal construction allows the valve to be disassembled and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement
- Inlet has a permanent 12 mesh strainer.

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. MED TEMP KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0619	OJE-12-JC	R134a	MED TEMP	42.2	7/8" x 1 3/8"	JC	83	439.50
SP0620	OJE-16-JC			56.3	1 1/8" x 1 3/8"			439.50
SP0792	OSE-12-SC	R404A	MED TEMP	42.2	7/8" x 1 3/8"	SC	83	439.50
SP0793	OSE-21-SC			73.9				439.50
SP0794	OSE-30-SC			106	1 1/8" x 1 3/8"			785.00
SP0839	OSE-12-SZ			42.2	7/8" x 1 3/8"			439.50
SP0841	OSE-21-SZ	R404A	LOW TEMP	73.9	1 1/8" x 1 3/8"	SZ	83	439.50
SP0845	OSE-30-SZ			106				785.00
SP0847	OSE-35-SZ			123				785.00
SP0840	OSE-12-SZP	R404A	LOW TEMP (MOP 50)	42.2	7/8" x 1 3/8"	ZP	83	439.50
SP0842	OSE-21-SZP			73.9				439.50
SP0846	OSE-30-SZP			106	1 1/8" x 1 3/8"			785.00
SP0849	OSE-35-SZP			123	785.00			
SP0755	OVE-15-SC	R22	MED TEMP	52.8	7/8" x 1 1/8"	VC	83	439.50
SP0756	OVE-20-C			70.3	7/8" x 1 3/8"			439.50
SP0757	OVE-30-C			106	1 1/8" x 1 3/8"			439.50
SP0758	OVE-40-C			141				785.00

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RC SERIES - AIR COND (Reverse Cycle)



- Compact valve suitable for air conditioning and heat pump applications
- Suitable for reverse cycle operation with internal check valve to eliminate the need for external bypass check valve to be fitted for heat pump applications
- Small brass body with ODS connections inlet fitting
- Removable 100 mesh strainer, which can be cleaned and/or replaced without removing the valve from the line

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP1230	RCVE-2-GA	R22	AIR COND	7.0	3/8" x 1/2"	GA	43	245.00
SP1231	RCVE-3-GA			10.5	3/8" x 1/2"	GA	43	245.00
SP1232	RCVE-4-GA			14.1	1/2" x 1/2"	GA	43	245.00
SP1233	RCVE-5-GA			17.6	1/2" x 1/2"	GA	43	245.00
SP1234	RCVE-6-GA			21.1	1/2" x 1/2"	GA	43	245.00

S SERIES - AIR COND (General Purpose)



- General purpose valve for air conditioning applications.
- Brass body with silver soldered connections for leakproof, high strength connection.
- Accessible internal construction allows the valve to be disassembled, and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement
- Inlet has a permanent 12 mesh strainer

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0900	SVE3-CP100	R22/R407C	AIR COND	10.6	1/2" x 5/8"	CP-100	83	269.50
SP0903	SVE5-CP100			17.6	1/2" x 7/8"			269.50
SP0906	SVE8-CP100			28.1	5/8" x 7/8"			269.50
SP0909	SVE10-CP100			35.2	5/8" x 7/8"			269.50
SP0910	SVE15-CP100			52.8	7/8" x 1 1/8"			295.00

P SERIES - AIR COND (Balanced Port)



- General purpose valve for air conditioning applications.
- Balanced port design offers stable control
- Extended solder connections for ease of installation
- Accessible internal construction allows the valve to be disassembled, and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement.
- Inlet has a permanent 12 mesh strainer

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0941	PVE11-CP100	R22/R407C	AIR COND	39	5/8" x 7/8"	CP-100	33	345.50
SP0942	PVE16-CP100			56	7/8" x 1 1/8"			397.50
SP0943	PVE20-CP100			70	7/8" x 1 3/8"			397.50

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O SERIES - AIR COND (Balanced Port)



- General purpose valve air conditioning applications.
- Balanced port design offers stable control
- Brass body with silver soldered connections for leakproof, high strength .
- Accessible internal construction allows the valve to be disassembled and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement.
- Inlet has a permanent 12 mesh strainer



STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. MED TEMP KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0717	OJE-6-CP60	R134A	AIR COND	21.0	5/8" x 7/8"	CP60	83	439.50
SP0718	OJE-9-CP60			31.7	7/8" x 1 1/8"			439.50
SP0719	OJE-12-CP60			42.2	7/8" x 1 3/8"			439.50
SP0720	OJE-16-CP60			56.3				439.50
SP0721	OJE-23-CP60			80.9	1 1/8" x 1 3/8"		785.00	
SP0722	OJE-32-CP60			113.0			785.00	
SP0912	OVE15-CP100	R22/R407C	AIR COND	52.8	7/8" x 1 3/8"	CP-100	83	439.50
SP0915	OVE20-CP100			70.3				439.50
SP0918	OVE30-CP100			106	439.50			
SP0921	OVE40-CP100			141	1 1/8" x 1 3/8"		33	785.00
SP0922	OVE55-CP100			193				785.00
SP0923	OVE70-CP100			246				785.00

M SERIES - AIR COND (Balanced Port)



- Suitable for high capacity air conditioning applications
- Cast bronze body with flange connections for easy removal and service
- Accessible internal construction allows the valve to be disassembled and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement
- Inlet has a permanent 12 mesh strainer

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0930	MVE21-CP100	R22/R407C	AIR COND	73.9	7/8" x 1 1/8"	CP-100	63	825.00
SP0933	MVE26-CP100			91.4				825.00
SP0936	MVE34-CP100			120				825.00
SP0939	MVE42-CP100			148	1 1/8" x 1 1/8"			825.00

V SERIES - AIR COND (Balanced Port)



- Suitable for high capacity air conditioning applications
- Balanced port design offers stable control
- Cast bronze body with flange connections for easy removal and service
- Accessible internal construction allows the valve to be disassembled, and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement
- Inlet has a permanent 12 mesh strainer

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP1100	VVE-52-CP100	R22/R407C	AIR COND	183	1 3/8" x 1 3/8"	CP-100	63	1,175.00
SP1102	VVE-70-CP100			246				1,175.00
SP1104	VVE-100-CP100			352				1,175.00

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KT43 POWER ELEMENTS

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	TEMP RANGE	PRICE \$ excl. GST
SP0010	KT43-VGA-5	R22 & R407A	AIR COND	A/C	77.50
SP0021	KT43-VCPI100-5		AIR COND		77.50
SP0020	KT43-VC-5		MED TEMP	+10 to -25°C	77.50
SP0040	KT43-SC-5	R404A	MED TEMP	+10 to -25°C	77.50
SP0041	KT43-SZ-5		LOW TEMP	-20 to -40°C	77.50
SP0042	KT43-SZP-5		LOW TEMP (MOP)		77.50
SP0031	KT43-JCP60-5	R134A	AIR COND	A/C	77.50
SP0030	KT43-JC-5		MED TEMP	+10 to -25°C	77.50



KT83 POWER ELEMENTS

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	TEMP RANGE	PRICE \$ excl. GST
SP0026	KT83-VCPI100-5	R22 & R407A	AIR COND	A/C	115.00
SP0026A	KT83-VCPI100-30		AIR COND		129.00
SP0050	KT83-VC-5		MED TEMP	+10 to -25°C	115.00
SP0027	KT83-SC-5	R404A	MED TEMP	+10 to -25°C	115.00
SP0051	KT83-SZ-5		LOW TEMP	-20 to -40°C	115.00
SP0052	KT83-SZP		LOW TEMP (MOP)		115.00
SP0054	KT83-JCP60-5	R134A	AIR COND	A/C	115.00
SP0053	KT83-JC-5		MED TEMP	+10 to -25°C	115.00



KT33 POWER ELEMENTS

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	TEMP RANGE	PRICE \$ excl. GST
SP0023	KT33-VCPI100-5	R22 & R407A	AIR COND	A/C	133.00
SP0024	KT-33-VC-5		MED TEMP	+10 to -25°C	133.00
SP0025	KT-33-VZ-5		LOW TEMP	-20 to -40°C	133.00
SP0044	KT33SC-5	R404A	MED TEMP	+10 to -25°C	133.00
SP0045	KT33-SZ-5		LOW TEMP	-20 to -40°C	133.00
SP0046	KT33-SZP-5		LOW TEMP (MOP)		133.00
SP0033	KT33-JCP60-5	R134A	AIR COND	+10 to -25°C	133.00
SP0032	KT33-JC-5		MED TEMP	A/C	133.00

KT63 POWER ELEMENTS

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	TEMP RANGE	PRICE \$ excl. GST
SP0022	KT63-VCPI100-5	R22 & R407A	AIR COND	A/C	242.00
SP0028	KT63-VCPI100-30				242.00
SP0035	KT63-JCP60-5	R134A	AIR COND	+10 to -25°C	242.00
SP0034	KT63-JC-5		MED TEMP	A/C	242.00



■ Please refer to valve section on previous pages for selection of correct power element to suit given valve series.

PARKER HAE SERIES (Bi-Flow)



Features

- The H series balanced port valve is designed specifically for air conditioning and heat pumps used in both air or water cooled systems
- The H series has full bi-flow capability for R-22, R-407C and R-410A heat pump applications with field adjustable superheat
- All R22 HAE valves have a 20% bleed feature for pressure equalisation on the off cycle to allow low torque compressors (PSC) to start
- HAE TX Valves feature 100psi Maximum Opening Pressure on R22 and 200 psi Maximum opening pressure on R410A

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM CAPACITY		CONNECTION SOLDER	CHARGE	BLEED	PRICE \$ excl. GST
				TON	KW				
F1790	HAE3VX100B20	R22/R407C	HEAT PUMP BI-FLOW	3	10	1/2" x 1/2"	VX100 (MOP100)	20%	210.00
F1792	HAE5VX100B20			5	18	1/2" x 1/2"			210.00
F1794	HAE7.5VX100B20			7.5	26	1/2" x 5/8"			210.00
F1796	HAE8VX100B20			8	28	5/8" x 5/8"			210.00
F1798	HAE10VX100B20			10	35	5/8" x 7/8"			210.00
F1800	HAE3KX200	R410A	HEAT PUMP BI-FLOW	3	10	3/8" x 1/2"	ZX200 (MOP200)	N/A	210.00
F1802	HAE5KX200			5	18	1/2" x 5/8"			210.00
F1804	HAE7.5KX200			7.5	26	1/2" x 5/8"			210.00
F1806	HAE10KX200			10	35	5/8" x 7/8"			210.00

- Nominal KW values are an approximate guide only. Use Parker selection tables for accurate sizing.
- Please contact one of our technical staff if you would like us to select a suitable valve for your application.

CRANKCASE PRESSURE REGULATORS

Crankcase Pressure Regulating Valves are designed to prevent overloading of the compressor motor by limiting the crankcase pressure to a predetermined maximum value during and after a defrost cycle or a normal shutdown period. These valves automatically throttle the vapour flow from the evaporator until the compressor can handle the load.



STOCK NO.	PRODUCT NUMBER	CONNECTION	PORT SIZE (mm)	ADJUSTMENT RANGE (PSI)	PRICE \$ excl. GST
*SP2002	CRO-6-0/60-1/2	1/2" ODS	19mm	0 to 60	269.50
*SP2004	CRO-6-0/60-5/8	5/8" ODS			279.50
*SP2012	CRO-10-0/60-7/8	7/8" ODS	31mm		355.50
*SP2013	CRO-10-0/60-1 1/8	1-1/8" ODS			365.50
*SP2014	CRO-10-0/60-1 3/8	1-3/8" ODS			385.50
SP2009	CRO-6-30/110-5/8	5/8" ODS	19mm		30 to 110
SP2010	CRO-6-30/110-7/8	7/8" ODS		299.50	
SP2015	CRO-10-30/110-7/8	7/8" ODS	31mm	355.50	
SP2016	CRO-10-30/110-1 1/8	1-1/8" ODS		365.50	
SP2017	CRO-10-30/110-1 3/8	1-3/8" ODS		385.50	

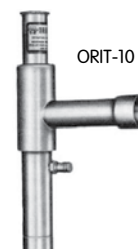


- *0/60 range CRO valves should be selected for standard low temp freezer applications -25 to -35°C

EVAPORATOR PRESSURE REGULATORS

The Sporlan line of **Evaporator Pressure Regulating (EPR)** valves are designed to provide an accurate and economical means of balancing system capacity and load requirements during "low" loads and/or while maintaining different evaporator conditions on multi-temperature evaporator systems.

STOCK NO.	PRODUCT NUMBER	CONNECTION	PORT SIZE (mm)	ADJUSTMENT RANGE (PSI)	PRICE \$ excl. GST
SP2100	ORIT-6-30/100-1/2	1/2" MF	19mm	30 to 100	319.50
SP2101	ORIT-6-30/100-1/2	1/2" ODS			319.50
*SP2107A	X106-ORIT-6-30/100-5/8	5/8" ODS			325.00
*SP2109A	X106-ORIT-6-30/100-7/8	7/8" ODS			335.00
SP2110	ORIT-6-30/100-1 1/8	1-1/8" ODS			345.00
SP2114	ORIT-10-30/100-7/8	7/8" ODS	31mm		469.00
*SP2115A	X106-ORIT-10-30/100-1 1/8	1-1/8" ODS		498.00	
*SP2116A	X106-ORIT-10-30/100-1 3/8	1-3/8" ODS		515.00	
SP2103	ORIT-6-0/50-5/8	5/8" ODS	19mm	0 to 50	315.50
SP2104	ORIT-6-0/50-7/8	7/8" ODS			325.50
SP2105	ORIT-10-0/50-7/8	7/8" ODS	31mm		469.00
SP2106	ORIT-10-0/50-1 1/8	1-1/8" ODS			498.00
SP2117	ORIT-10-0/50-1 3/8	1-3/8" ODS			515.00



- *X106 high pressure range to be used if valves will be above 14bar during pressure testing or operation.
- Please contact one of our technical staff to assist you with selecting a suitable EPR valve for your application.

EVAPORATOR PRESSURE REGULATORS (Externally Pilot operated)



(S)ORIT-12, 15 and 20 Features

- High side pilot for improved temperature control and low ΔP operation.
- Optional solenoid "stop" feature (S) to close valve during defrost.
- Normally open design allows system evacuation without manual operator.

These EPR valves are pilot operated using "high side" pressure and require a pilot supply connection from the compressor discharge to operate. They are designed to be "normally open" providing an unparalleled ability to operate with virtually no suction line pressure drop.

STOCK NO.	PRODUCT NUMBER	CONNECTION	PORT SIZE (mm)	ADJUSTMENT RANGE (PSI)	COIL	PRICE \$ excl. GST
SP2128	ORIT-12	1-1/8" ODS	19.8	0 to 100	MKC-1	695.00
SP2132	ORIT-15	1-3/8" ODS	25.4			895.00
SP2136	ORIT-20	1-5/8" ODS	33.3			1,345.00
SP2160	(S)ORIT-12	1-1/8" ODS	19.8			875.00
SP2162	(S)ORIT-15	1-3/8" ODS	25.4			1,095.00
SP2164	(S)ORIT-20	1-5/8" ODS	33.3			1,545.00



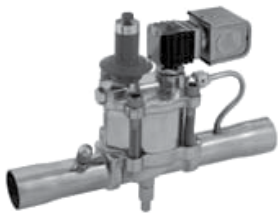
- Please contact one of our technical staff to assist you with selecting a suitable EPR valve for your application.
- MKC-1 Solenoid coils are not included and should be ordered separately.

EVAPORATOR PRESSURE REGULATORS (Internally Pilot operated)

(S)ORIT-PI-2, 3, 4 and 5 Features

- Piloted internally (No high side connection required)
- Optional solenoid "stop" feature to close valve during defrost.
- Optional electric open feature for "two temperature operation"
- Manual lift stem (standard) to allow system evacuation

These EPRs are Piloted Internally using the natural pressure drop across the valve to operate and do not require a "high side" pilot connection. Like the (S)ORIT valves, the pilot operated design does not require the "allowable evaporator pressure change" necessary with the direct acting regulating valves.



STOCK NO.	PRODUCT NUMBER	CONNECTION	PORT SIZE (mm)	ADJUSTMENT RANGE (PSI)	COIL	PRICE \$ excl. GST
SP2204	(S)ORIT-PI-27S	7/8" ODS	12.7	0 to 100	MKC-1	1,175.00
SP2206	(S)ORIT-PI-29S	1-1/8" ODS	12.7			11,85.00
SP2214	(S)ORIT-PI-39S	1-1/8" ODS	19.1			1,195.00
SP2216	(S)ORIT-PI-311S	1-3/8" ODS	19.1			1,395.00
SP2220	(S)ORIT-PI-411S	1-3/8" ODS	25.4			1,425.00
SP2222	(S)ORIT-PI-413S	1-5/8" ODS	25.4			1,495.00
SP2224	(S)ORIT-PI-513S	1-5/8" ODS	31.8			1,985.00
SP2226	(S)ORIT-PI-517S	2-1/8" ODS	31.8			2,095.00



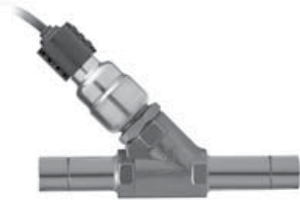
- Please contact one of our technical staff to assist you with selecting a suitable EPR valve for your application.
- MKC-1 Solenoid coils are not included and should be ordered separately.

EVAPORATOR PRESSURE REGULATORS (Electrically Operated)



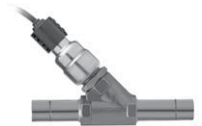
CDS-9 and 17 Features

- Available capacity's from 5kw to 120kw depending on application.
- Step motor operated with High Resolution drive assembly.
- Designed for precise energy efficient control of evaporator.
- Stable close temperature control of 0.3k for sensitive applications.
- Tight seating valve can provide positive suction stop during defrost cycle.
- Controllers used with the CDS valves permit remote monitoring and setting.



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.

STOCK NO.	PRODUCT NUMBER	CONNECTION	NOM CAPACITY KW		CABLE LENGTH	PRICE \$ excl. GST
			R404A	R134A		
SP2340	CDS-7-5/8-10-S	5/8" ODS	24.9	18.7	3 meters	855.00
SP2342	CDS-7-7/8-10-S	7/8" ODS				860.00
SP2346	CDS-7-1 1/8-10-S	1-1/8" ODS				920.00
SP2350	CDS-7-1 3/8-10-S	1-3/8" ODS				940.00
SP2304	CDS-9-7/8-10-S	7/8" ODS	37.4	29.1		895.00
SP2308	CDS-9-1 1/8-10-S	1-1/8" ODS				950.00
SP2312	CDS-9-1 3/8-10-S	1-3/8" ODS				985.00
SP2318	CDS-17-1 3/8-10-S	1-3/8" ODS	67.6	52.3		1,135.00
SP2320	CDS-17-1 5/8-10-S	1-5/8" ODS				1,275.00
SP2322	CDS-17-2 1/8-10-S	2-1/8" ODS				1,345.00



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

TCB Temperature Control Board/IB Interface Board

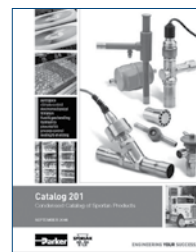
The TCB interface/controller allows all Sporlan step motors to be modulated in response to an externally generated signal. The IB and TCB accept a 4-20 milliamp, or 0-10 volt DC inputs and stroke the valve proportionately to that signal. The TCB and IB allow use of the CDS or SDR valves with an existing 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.

STOCK NO.	DESCRIPTION	INPUT	VALVES	PRICE \$ excl. GST
-	TCB	4-20 ma, 0-10 VDC	SDR, CDS	P.O.A
-	TCB with Potentiometer	Temperature Sensor	SDR, CDS	P.O.A

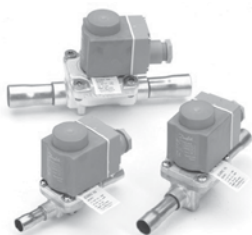


FOR MORE INFORMATION ON SPORLAN VALVE SELECTION

Please Contact REALCOLD For A Copy of
The Sporlan 201 Catalogue or the
Sporlan Selection Software CD



DANFOSS EVR SOLENOID VALVES



Danfoss offers a complete and flexible range of solenoid valves for use in refrigeration and A/C systems. Direct-operated versions for low capacity applications and pipe sizes of 3/8" or smaller or pilot operated valves for larger flows and/or pipe sizes. EVR solenoid valves are available with both standard size and oversize connections and are designed for refrigerant temperatures of up to 105°C.

SOLENOID VALVES

STOCK NO.	PRODUCT NUMBER	CONNECTIONS		LIQUID CAPACITY KW			PRICE \$ excl. GST
		SIZE	TYPE	R404A	R134A	R22	
G0408	EVR3	1/4"	FLARE	3.1	4.1	4.5	88.00
G0409	EVR3	3/8"		3.1	4.1	4.5	88.00
G0412	EVR6	3/8"		9.2	12.1	13.1	118.00
G0427	EVR6	1/2"		9.2	12.1	13.1	118.00
G0416	EVR10	1/2"		21.8	28.8	31.4	205.00
G0417	EVR10	5/8"		21.8	28.8	31.4	205.00
G0418	EVR15	5/8"		29.8	39.4	42.7	255.00
G0410	EVR3S	1/4"	SOLDER	3.1	4.1	4.5	88.00
G0411	EVR3S	3/8"		3.1	4.1	4.5	88.00
G0414	EVR6S	3/8"		9.2	12.1	13.1	118.00
G0420	EVR6S	1/2"		9.2	12.1	13.1	118.00
G0416A	EVR10S	1/2"		21.8	28.8	31.4	205.00
G0422	EVR10S	5/8"		21.8	28.8	31.4	205.00
G0419	EVR15S	5/8"		29.8	39.4	42.7	255.00
G0415	EVR15S	7/8"		29.8	39.4	42.7	265.00



- Ratings based for Liquid line operation at 0.1bar pressure drop / 25deg liquid.
- Larger Danfoss solenoid valves available upon request.

SOLENOID COILS

STOCK NO.	PRODUCT NUMBER	CONNECTION TYPE	VOLTS	WATTS	PRICE \$ excl. GST
G0450	SC240AC	IP67 Terminal box	240AC	10	85.00
G0451	SC240AC	With Lead	240AC	10	85.00
G0452	SC24AC	IP67 Terminal box	24AC	10	95.00
G0454	SC12DC	IP67 Terminal box	12DC	20	119.00
G0456	SC24DC	IP67 Terminal box	24DC	20	119.00



- Above coils suit all listed EVR Solenoid valves.

SPORLAN SOLENOID VALVES



Sporlan offers a complete line of premium quality solenoid valves to the industry. They are available in all capacities and connection sizes for air conditioning and refrigeration applications. A combination of top quality materials used in both the internal and external construction ensures unsurpassed long term product reliability. This is verified by periodic accelerated life tests.



STOCK NO.	PRODUCT NUMBER	CONN SIZE FLARE	PORT SIZE (mm)	NOMINAL CAPACITY KW			COIL TYPE (Not Incl)	PRICE \$ excl. GST
				R404A	R134A	R22		
SP1300	A3F1	1/4"	2.6	3.0	4.3	4.6	MKC-1	99.80
SP1303	B6F1	3/8"	4.8	9.5	13.4	14.3		129.80
SP1306	B10F2	1/2"	8.0	21.2	30.0	32.1	MKC-2	198.80



A&B Series

STOCK NO.	PRODUCT NUMBER	CONN SIZE SOLDER	PORT SIZE (mm)	NOMINAL CAPACITY KW			COIL (Not Incl)	PRICE \$ excl. GST
				R404A	R134A	R22		
SP1400	E3S120	1/4"	2.6	3.0	4.3	4.6	MKC-1	99.80
SP1401	E3S130	3/8"	2.6	3.0	4.3	4.6		99.80
SP1407	E5S130	3/8"	3.8	5.4	7.6	8.1		109.00
SP1414	E6S130	3/8"	4.8	9.5	13.4	14.3		136.00
SP1415	E6S140	1/2"	4.8	9.5	13.4	14.3	MKC-2	136.00
SP1430	E9S240	1/2"	7.1	15.5	21.8	23.4		165.00
SP1431	E10S250	5/8"	7.9	21.2	30.0	32.1		194.00
SP1435	E14S250	5/8"	11.1	30.2	42.5	45.6		217.00
SP1452	E19S270	7/8"	15.1	46.2	65.3	70.0		345.00
SP1464	E25S290	1-1/8"	19.8	78.9	111	119		495.00
SP1479	E35S1110	1-3/8"	23.2	110	155	166		798.00
SP1829	E34S2110	1-5/8"	33.3	110	155	166		1,255.00
SP1584	ME42S2130	1-5/8"	33.3	195	271	291		1,280.00
SP1800	180	Solenoid Pilot control 1/4" MF						



E Series



ME42

- Ratings based for Liquid line operation at 0.14bar pressure drop / 38deg liquid.
- E Series valves with extended copper tails can be installed without disassembly.
- A & B Series = Compact type / E Series = Extended Copper Solder Connections.
- E5 to E42 are pilot operated and can be mounted; Horizontally, on their side or in a vertical line.

SPORLAN SOLENOID COILS

STOCK NO.	PRODUCT NUMBER	VOLTS	WATTS	PRICE \$ excl. GST
SP1901	MKC-1E	240AC	10	79.80
SP1902		24AC	10	79.80
SP1904		12AC	10	79.80
SP1905		24DC	15	79.80
SP1906	MKC-2E	240AC	15	85.50
SP1910		120AC	15	85.50
SP1912		24AC	15	85.50
SP1916		24DC	18	85.50
SP1918	OMKC-2E	240AC	15	85.50
SP1919	Din Connector MKC1 & MKC2			12.50



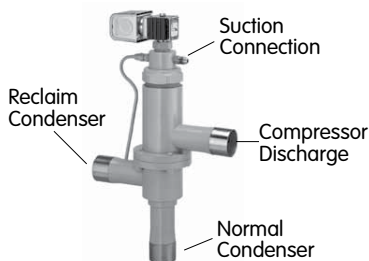
MKC1/2E



Old Style OMKC

- Din connectors are not included with coils and must be ordered separately.

THREE WAY HEAT RECLAIM VALVES



Sporlan Heat Reclaim & Split Condenser Valves are tight synthetic seating three-way valves designed specifically to divert hot gas from the normal to auxiliary condenser and/or to reduce condenser capacity during low ambient winter conditions. They offer proven performance backed by Sporlan service, engineering and technical support.

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	CONN SIZE (INCHES)	PORT SIZE (INCHES)	COIL TYPE (Not Incl)	PRICE \$ excl. GST
SP5070	8D7B	Heat Reclaim Valve	7/8	3/4	MKC-1	682.00
SP5060	8D9B		1-1/8	3/4		682.00
SP5040	12D11B		1-3/8	1-1/4		1,080.00
SP5010	12D13B		1-5/8	1-1/4		1,090.00
SP5000	16D17B		2-1/8	2-1/8		2,075.00
SP5045	12D11B-SC	Split Condenser Valve	1-3/8	1-1/4		1,565.00
SP5020	12D13B-SC		1-5/8	1-1/4		1,565.00
SP5001	16D17B-SC		2-1/8	2-1/8		2,885.00



- 16D models with date codes prior to 12-03 will require MKC-2 Coils. Spare part kits will also differ.
- For more information consult your nearest Realcold branch and request Sporlan Bulletin 30-10.

HEAT RECLAIM VALVE KITS

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
SP5100	Heat Reclaim Valve Kit KS-8DB	400.00
SP5105	Heat Reclaim Valve Kit KS-12DB	580.00
SP5110	Heat Reclaim Valve Kit KS-16DB	935.00
SP5115	Pilot Assembly KS-8D/12DP	405.00
SP5120	Pilot Assembly KS-16DP	452.00

DISCHARGE BYPASS VALVES

Sporlan ADR discharge bypass valves are designed to provide an economical method of compressor capacity control. These modulating control valves automatically bypass the required amount of discharge gas to the low side to maintain the desired minimum evaporator pressure. The valves are applicable on any refrigeration or air conditioning system that operates during periods of low load, which can result in coil icing or short cycling.

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	CONN SIZE (INCHES)	PORT SIZE (INCHES)	RANGE (kPa)	PRICE \$ excl. GST
SP6000	ADRSE2-0/80	Discharge Bypass	1/2 OD	1/4	0 – 550	281.00
SP6002	ADRPE-3-0/80	Discharge Bypass	1/2 OD	3/8	0 – 550	318.00
SP6004	ADRPE-3-0/80	Discharge Bypass	5/8 OD	3/8	0 – 550	318.00
SP6006	ADRHE-6-0/80	Discharge Bypass	7/8 OD	3/8	0 – 550	595.00



- When the hot gas is bypassed directly into the suction line, an auxiliary de-superheating TEV may be required.
- For more information consult your nearest Realcold branch and request Sporlan Bulletin 90-40 & 90-40-1.