

Accumulators - Suction Line

Realcold Stock No.	Description kW Cap at Evap. Temp. -6°C			Price \$ Excl. GST
	Size Connection	R22	R404A / R507C	
F0804	1/2" ODS Vertical	4.6	4.8	
F0805	5/8" ODS Vertical	6.9	7.2	
F0806	3/4" ODS Vertical	9.2	9.6	
F0807	7/8" ODS Vertical	16.7	17.5	
F0809	1 1/8" ODS Vertical	27.0	28.3	
F0811	1 3/8" ODS Vertical	43.1	45.2	
F0813	1 5/8" ODS Vertical	65.3	68.4	
F0121	2 1/8" LCY 1817 S/MMS	125	130	
F0125	3 1/8" LCY 5025S	288	300	



Accumulator

* These accumulators should not be used below -18°C without supplementary heating to ensure oil return - see information on Heater Elements below.

Factors for Determining Capacity

Evap. Temp.	-18°C	-30°C
Factor	.68	.41

Note: To find kW capacity for the other evaporator temperatures, multiply factor X rating listed at -6°C

Selection of a suction line accumulator should be made on the basis of the following capabilities:

- The accumulator should have an adequate liquid holding capacity - normally not less than 50% of the system charge.
- The accumulator should perform efficiently without excessive pressure drop to the system.
- The accumulator should return oil at the proper rate and under a range of conditions of load.
- The selection of the suction line accumulator should not be based on line size, but on its ability to perform well within the limits described above. Consequently the suction line accumulator will not necessarily have the same connection size as the compressor suction line.

Heater Elements To Suit Accumulators

Elements must be used when operating under -18°C. The element adds heat to oil separators in order to prevent migration of refrigerant to the vessel during the off cycles of the compressor. Heater elements also add heat to suction line accumulators, to keep the oil warm, permitting oil return to the compressor on low temperature applications. Refer to page 127.



Oil Separators

Realcold Stock No.	Model	ODS	Nominal Capacity kW *				Dimen. (mm) H x D	Price \$ Excl. GST
			R22		R404A			
			-5°C	-25°C	-5°C	-25°C		
F0869	S-5581	3/8"	4.7	3.3	4.7	3.3	210x102	
F0070	NS-1004	1/2"	6.7	6.0	6.7	6.0	260x102	
F0072	NS-1005	5/8"	18.6	17	18	15.8	362x102	
F0074	NS-1007	7/8"	27.4	25.7	28.2	25	450x102	
F0076	NS-3009	1 1/8"	35.6	33.5	36.8	32.7	533x102	
F0078	NS-3011	1 3/8"	46	42.8	46.5	41	540x102	
F0080	NS-3013	1 5/8"	61.6	58	63.6	57.5	472x153	
F0882	S-5694	2 1/8"	101.7	93.8	103.6	92.5	486x158	



Henry Helical Oil Separators/Oil Reservoirs

Realcold Stock No.	Model	ODS	Nominal Capacity kW *				Dimen. (mm) H x D	Price \$ Excl. GST
			R22		R404A			
			-5°C	-25°C	-5°C	-25°C		
F0347	S-5392	1 5/8"	63.3	56.3	66.8	52.7	890x150	
F0348	S-5394	2 1/8"	105.5	87.9	109.0	84.4	890x150	
F0351	S-5302	2 1/8"	123.1	137.1	109.0	144.2	640x200	
F0352	S-5303	2 5/8"	281.3	249.7	291.9	225.0	750x250	



- All capacities shown are based on 37.8°C condensing temperature with an 18.3°C suction gas temperature.
- Dimensions are Height x Diameter in millimetres.

Replacement Float

Realcold Stock No.	Description	Price \$ Excl. GST
F0330	A1900-30 Float Assembly suits S-5200 and S1900 series	
F0331	2-023-001 Float Valve Gasket	



AC & R Heater Elements

Heat elements add heat to oil separators to prevent migration of refrigerant to the vessel during off cycles of the compressor. Also suitable for AC & R accumulators.

Realcold Stock No.	Description	Price \$ Excl. GST
F0084	S-9111 4" diameter 220 volt 25 Watt Suits S-5520, S-5180 series oil separators	



Trax Oil Control Systems

Realcold Stock No.	Description	Price \$ Excl. GST
F0092	TRAX TR3201 Oil Level Control System	

Oil Reservoir And Accessories

Realcold Stock No.	Description	Price \$ Excl. GST
F0052	Henry S-9130 Adjustable Oil Level Regulator with 3/8" MF SAE equalisation connection 90 psi max. differential. Replaces S9191, S9131, S9134, S9133, S9190, & S9193	
F0053	A C & R S-9108 Oil Reservoir (4 US gallon capacity) 15 litres The oil reservoir is the holding vessel for stand-by oil necessary for the operation of the oil control system.	
F0055	A C & R S-9109 Oil Reservoir (2 US gallon capacity) 7.5 litres 3/8 Flare Rotalock Valve	
F0057	Henry S-9104 Reservoir Pressure Valve 3/8 Flare Connections This valve will maintain a 5lb. positive pressure differential at the oil reservoir over the crankcase pressure ensuring an adequate oil supply to the oil level regulator.	
F0062	Henry S-9104H High Pressure Check Reservoir Valve Some parallel compressor systems have a satellite compressor which maintains a higher suction pressure than the other compressor system. The S-9104H provides a 20 lb positive pressure in the oil reservoir for this application.	
F0058	Henry S-9241 Oil Level Regulator Shut-Off Valve 3/8 MF x 3/8 FF Swivel Connection S-9106-vertical mount This valve allows each oil level regulator to be isolated if service is required on a compressor. Vertical model. For equalization lines on S-9130 regulator.	
F0060	Henry 3/033/212 Sight Glass Adapter 3 bolt 1.7/8 to suit Copeland 8R Series, Frascold W Series	
F0059	A C & R S-9105 Oil Line Strainer 3/8 MF Flare- 100 Mesh 11 sq in. This strainer protects the oil level regulator by removing foreign matter. The strainers mesh screen provides adequate straining with low pressure drop.	
F0066	*Henry S-4005 POE Oil Filter Drier 3/8" MF. 6 micron filtration Removes foreign material from the oil as it passes through the filter.	
F0067	Henry S-9106H Horizontal Shut-Off Valve 3/8" MF x 3/8" FF, swivel connection. Horizontal model for use where space is limited.	



F0052



F0053/5



F0057/62



F0058



F0059



F0066



F0067

Oil Filters

Realcold Stock No.	Description	Price \$ Excl. GST
SP2600	Sporlan OF-303 Oil Filter 3/8" Flare	
SP2601	Sporlan OF-303-BP Oil Filter W/Bypass 3/8" Flare	

System Components

Vertical Receivers

Realcold Stock No.	Model	Pump Down Capacity Kg @ 80%			Connections					PRV Required Yes/No	Price \$ Excl. GST
		R22	R134a	R404A	Sweat		Rotalock		Valves Supplied Yes/No		
					Inlet	Outlet	Inlet	Outlet			
F0261	RLVCY15	1.4	1.4	1.3	1/4"	1/4"	3/4"	3/4"	N	Y	
F0264	RLVCY30	2.8	2.8	2.4	3/8"	3/8"	3/4"	3/4"	N	Y	
F0280	RLVCY40	3.8	3.8	3.3	3/8"	3/8"	3/4"	3/4"	N	Y	
F0284	RLVCY60	5.5	5.5	4.9	1/2"	1/2"	1"	1"	N	Y	
F0292	RLVCY120M	11.0	11.0	9.8	5/8"	5/8"	1 1/4"	1 1/4"	N	Y	

Receivers have fittings for Rotalock valves. Also the same connection allows for a solder connection as above. Gaskets are 3/4": H1103; 1": H1104. Mounting is by single M10 stud (F0261-F0280) or M12 (F0284).

Pressure Relief Devices

The requirements for the installation of pressure valves into pressure vessels are proscribed within AS/NZS1677.2.1998 and its amendments.

Viz;

1. Vessels of less than 300L internal gross volume:

- Vessels containing more than 1.5kg of Group B2 refrigerants: or
- 1.0 Kg of Group A3 refrigerants must be fitted with 1 or more mechanical pressure relief devices.

2. Vessels of greater than 300 L internal gross volume:

- Pressure vessels which may contain liquid refrigerant and which may be shut off from other parts of the refrigeration system shall be protected by means of two pressure relief valves.
- If the vessel is on the high pressure side of the system, the pressure relief valves shall be controlled by a changeover device.



Sporlan Driers - Flare

Realcold Stock No.	Model	Size	Cu In	Price \$ Excl. GST
Liquid Line Driers - Sporlan				
SP3001	CATCH-ALL 032	1/4" MF	3	
SP3002	CATCH-ALL 052	1/4" MF	5	
SP3003	CATCH-ALL 082	1/4" MF	8	
SP3004	CATCH-ALL 162	1/4" MF	16	
SP3008	CATCH-ALL 053	3/8" MF	5	
SP3009	CATCH-ALL 083	3/8" MF	8	
SP3011	CATCH-ALL C163	3/8" MF	16	
SP3012	CATCH-ALL 303	3/8" MF	30	
SP3015	CATCH-ALL 084	1/2" MF	8	
SP3017	CATCH-ALL 164	1/2" MF	16	
SP3018	CATCH-ALL 304	1/2" MF	30	
SP3022	CATCH-ALL 165	5/8" MF	16	
SP3023	CATCH-ALL 305	5/8" MF	30	
SP3025	CATCH-ALL 415	5/8" MF	41	



Sky Driers - Flare

Realcold Stock No.	Model	Size	Cu In	Price \$ Excl. GST
Liquid Line Driers - Sky				
H0125	FL 306	3/4" MF	30	

Sporlan Driers - Sweat

Realcold Stock No.	Model	Size	Cu In	Price \$ Excl. GST
Liquid Line Driers - Sporlan				
SP3071	CATCH-ALL 032S	1/4" SWEAT	3	
SP3072	CATCH-ALL 052S	1/4" SWEAT	5	
SP3073	CATCH-ALL C082S	1/4" SWEAT	8	
SP3078	CATCH-ALL C053S	3/8" SWEAT	5	
SP3079	CATCH-ALL C083S	3/8" SWEAT	8	
SP3081	CATCH-ALL C163S	3/8" SWEAT	16	
SP3085	CATCH-ALL C084S	1/2" SWEAT	8	
SP3087	CATCH-ALL C164S	1/2" SWEAT	16	
SP3092	CATCH-ALL C165S	5/8" SWEAT	16	



System Components



Mueller Driers - Sweat

Realcold Stock No.	Model	Size	Cu In	Price \$ Excl. GST
Liquid Line Driers - Mueller				
H0130	SD 417	7/8" SWEAT	41	

SF Suction Line Filters

The Sporlan SF Suction Line Filter protects the compressor from dirt. It is designed with an optional relief feature that opens if the filter plugs. It also has a full flow design for low pressure drop. It is suitable for use with all brazing alloys and maximum corrosion resistance.

Realcold Stock No.	Description	Price \$ Excl. GST
SP3155	Sporlan Suction Filter SF-285-T 5/8" SW	
SP3156	Sporlan Suction Filter SF-286-T 3/4" SW	
SP3157	Sporlan Suction Filter SF-287-T 7/8" SW	
SP3159	Sporlan Suction Filter SF-289-T 1.1/8" SW	
SP3161	Sporlan Suction Filter SF-4811-T 1.3/8" SW	
SP3163	Sporlan Suction Filter SF-4813-T 1.5/8" SW	



Suction Line Filter Driers

The Suction Line Filter Drier has been specifically designed for system clean-up after a burn out or any time system cleanliness is questionable. High acid and water absorption. For use with HCFCs, HFCs, and lubricants that go with them. Not recommended for permanent use. Once the suction line filter drier has completed its clean-up procedure it should be replaced with a suction line filter.

Realcold Stock No.	Model	Description	Filter Area Sq. In.	Volume Cu. In.	Price \$ Excl. GST
Burn-Out Driers					
H0306	Mueller A17224	1/2" SW	26	16	
H0308	Mueller A17227	5/8" SW	26	16	
H0311	Mueller A17225	1/2" MF	26	16	
H0312	Mueller A17226	5/8" MF	26	16	
H0313	Mueller A17228	3/4" SW	26	16	
H0314	Mueller A17229	7/8" SW	26	16	
H0315	Mueller A17230	1.1/8" SW	26	16	
H0316	Mueller A17231	1.1/8" SW	52	30	



Directional Liquid Line Driers (directional/ bi-directional)

Realcold Stock No.	Model	Description	Price \$ Excl. GST
H0247	MA Line D111	12 gram XH9 Service Drier 1/4" ODS inlet - capillary connection outlet with separate charging port	
H0250	MA Line D109	10 gram XH9 Service Drier 1/4" ODS inlet - bi-directional	
H0256	MA Line D114	30 gram XH9 Service Drier 5/16" in 1/4" outlet	



Note: Driers with XH9 desiccant are suitable for all refrigerants including blends and R134a



Reversible Heat Pump Driers

Realcold Stock No.	Sporlan Code	Description	Price \$ Excl. GST
SP3240	HPC-103	Heat Pump Drier 3/8" MF	
SP3241	HPC-104	Heat Pump Drier 1/2" MF	
SP3250	HPC-103S	Heat Pump Drier 3/8" OD	
SP3251	HPC-104S	Heat Pump Drier 1/2" OD	
SP3261	HPC-165SHH	Heat Pump Drier 5/8" OD	



SP3240

Refillable Shells - Suction Line

Realcold Stock No.	Model	Size	Core	Max. Rating kW Med Temp	Max. Rating kW Low Temp	Price \$ Excl. GST
SP3462	Sporlan RSF-489T	1 1/8" ODS	1 core	25.7	9.9	
SP3463	Sporlan RSF-4811T	1 3/8" ODS	1 core	31.3	12	
SP3464	Sporlan RSF-4813T	1 5/8" ODS	1 core	33.8	12.7	
SP3465	Sporlan RSF-4817T	2 1/8" ODS	1 core	95.0	59.8	
SP3466	Sporlan RSF-4821T	2 5/8" ODS	1 core	123.0	80.9	
SP3471	Sporlan RSF-9621T	2 5/8" ODS	2 core	141.0	91.4	
SP3472	Sporlan RSF-9625T	3 1/8" ODS	2 core	193.0	123.0	

Sporlan RSF Suction Driers: kW are based on R404A

Refillable Shells - Liquid Line

Realcold Stock No.	Model	Size	Core	Max. Rating kW Med Temp	Max. Rating kW Low Temp	Price \$ Excl. GST
Refillable Shells - Liquid Line - Carly						
SP3405	Sporlan C-485G	5/8" ODS	1 Core	35.2	26.4	
SP3407	Sporlan C-487G	7/8" ODS	1 Core	52.8	35.2	
SP3416	Sporlan C-967G	7/8" ODS	2 Core	87.2	52.8	
SP3408	Sporlan C-489G	1 1/8" ODS	1 Core	52.8	35.2	
SP3417	Sporlan C-969G	1 1/8" ODS	2 Core 1/4" FPT connection	101.9	87.9	
SP3419	Sporlan C-9611G	1 3/8" ODS	2 Core	123	87	
SP3113	Sporlan C-14411G	1 3/8" ODS	3 Core 1/4" FPT connection	137.1	123	
SP3420	Sporlan C-9613G	1 5/8" ODS	2 Core	120	106	
SP3429	Sporlan C-14413G	1 5/8" ODS	3 Core	176	123	



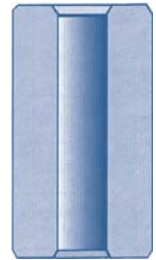
SP3416

System Components



Briquettes To Suit Refillable Shells - Interchangeable

Realcold Stock No.	Model	Description	Price \$ Excl. GST
SP3702	Sporlan RC-4864	Catch-All core standard.	
SP3703	Sporlan RC-4864-HH	Catch-All activated charcoal core.	
SP3704	Sporlan RCW-48	Catch-All High Water capacity core.	
SP3706	Sporlan RC-10098	Catch-All Core	



Sectional View Drier Core

Suction Line Filter Elements To Suit Above Shells

Realcold Stock No.	Model	Description	Price \$ Excl. GST
SP3710	Sporlan RPE-48-BD	Pleated Suction Line Filter Element	



SP3710

Gaskets

Realcold Stock No.	Model	Description	Price \$ Excl. GST
SP3725	1291-001	Gaskets AS-1704	



SP3725



Liquid/Moisture Indicating - Sporlan See-All Sight Glasses

Realcold Stock No.	Description	Price \$ Excl. GST
SP2700	1/4" MF	
SP2703	3/8" MF	
SP2710	1/2" MF	
SP2717	5/8" MF	
SP2701	1/4" MF FF	
SP2704	3/8" MF FF	
SP2711	1/2" MF FF	
SP2709	5/8" MF x SN	
SP2702	1/4" ODS	
SP2705	3/8" ODS	
SP2712	1/2" ODS	
SP2718	5/8" ODS	
SP2722	7/8" ODS	
SP2723	1 1/8" ODS	
SP2724	1 3/8" ODS	
SP2728	2 1/8" ODS	

Sight Glasses For Soldering On To Pipe

Realcold Stock No.	Description	Price \$ Excl. GST
H0770	1 3/8" SW	
H0771	1 5/8" SW	
H0772	2 1/8" SW	
H0773	2 5/8" SW	



* **Note:** Listed sight glasses are suitable for all refrigerants except ammonia refrigeration systems.