

FILTER DRIERS - SPORLAN

Reversible Heat Pump Driers

Design Benefits

Short overall length for easy installation.

Drier operates in either flow direction with low pressure drop.

Proven metal check valves used in construction – no synthetic materials.

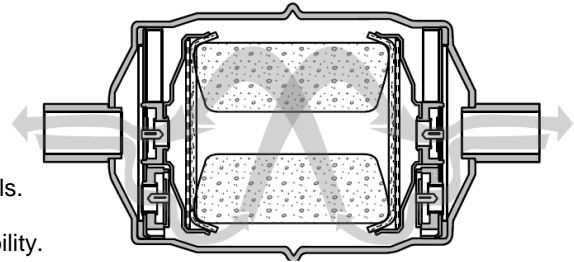
The Sporlan dependable moulded core used for maximum filtration ability.

When the flow direction reverses, dirt already collected remains in the filter-drier.

Carefully engineered blend of desiccants for maximum water capacity & acid removal ability.

The HPC-160-HH Series also has the HH style core with activated charcoal which offers maximum ability to remove oleoresin and other reactive chemical constituents in the lubricant.

Same rugged construction as used in the Catch-All®.



Heat Pump Driers – Reversible (New Installations)

Airefrig Part Number	Connection Type & Size	Desiccant Volume cm ³	**Water Capacity - Grams						Selection Recommend KW	Overall Length mm	Dia. mm	List Price Excl GST
			R22 at 60PPM		R407C at 50PPM		R410A at 50PPM					
			24°C	52°C	24°C	52°C	24°C	52°C				
HPC103	3/8MF	164	10.8	8.8	9.1	3.0	4.7	3.5	3.5 thru 17.5	76	171	\$68.30
HPC103S	3/8ODS										149	\$60.92
HPC104	1/2MF										176	\$73.82
HPC104S	1/2ODS										152	\$60.92
HPC105S	5/8ODS										152	\$60.92

** 20 Drops = 1 gram = 1cc. (Ratings at ARI standard conditions)

Heat Pump Driers – Reversible (For Clean-up after Burnout)

Airefrig Part Number	Connection Type & Size	Desiccant Volume cm ³	**Water Capacity - Grams						Selection Recommend KW	Overall Length mm	Dia. mm	List Price Excl GST
			R22 at 60PPM		R407C at 50PPM		R410A at 50PPM					
			24°C	52°C	24°C	52°C	24°C	52°C				
HPC163HH	3/8MF	229	4.7	4.1	4.5	4.4	3.5	5.0	3.5 thru 17.5	76	198	\$123.84
HPC163SHH	3/8ODS										176	\$123.84
HPC164HH	1/2MF										202	\$123.84
HPC164SHH	1/2ODS										180	\$123.84
HPC165HH	5/8MF										210	\$126.84
HPC165SHH	5/8ODS										187	\$126.84
HPC307SHH	7/8 ODS	492	8.4	6.0	8.1	4.4	6.2	5.5	14 thru 42	280	\$206.41	

** 20 Drops = 1 gram = 1cc. (Ratings at ARI standard conditions)

HH Signifies suitable for Burn Out Applications

SUCTION FILTERS - SPORLAN

Suction Filter - Sealed Type



Design Benefits

- Protects the compressor from dirt
- Relief device opens if the filter plugs
- Suitable for use with all brazing alloys
 - Maximum corrosion resistance
- Full flow design for low pressure drop
 - Complete line of sizes



Sporlan offers an exclusive concept in Suction Filter design – a filter with an optional relief feature. When flow is in **one direction**, the bypass relief feature is active.

If the pressure drop across the element becomes excessive the bypass relief will open slightly to maintain sufficient gas flow and assure proper cooling of the hermetic motor.

When the Suction Filter is installed with flow in the **opposite direction**, the bypass relief feature is inactive and will never open regardless of the increase in pressure drop.

The “-T” in the type number indicates these models are equipped with an access valve to permit pressure drop readings.

The access valve will be operational provided the Suction Filters are installed with the bypass feature inactive.

Airefrig Part Number	Connection Type & Size	Filter Area cm ²	Flow Capacity in KW Evaporator Temperature								Nominal System HP		Overall Length mm	Diameter mm	List Price Excl GST
			+5°C		+5°C		-20°C		-30°C						
			Pressure Drop - bar												
			0.20	0.14	0.20	0.14	0.10	0.14	0.07	0.10	0.07	R22 407C			
Refrigerant															
22	134A	407C	22	134A	404A, 507	134A	404A, 507	404A, 507							

Bi- directional Flow – With Bypass Relief Feature

Part Number	Connection	Filter Area cm ²	7.4	4.2	7.0	4.6	2.8	4.2	1.8	2.8	1.8	1.0	1/2	Overall Length mm	Diameter mm	List Price Excl GST
SF283F	3/8 FL	181	7.4	4.2	7.0	4.6	2.8	4.2	1.8	2.8	1.8	1.0	1/2	223	76	\$99.13
SF285T	5/8 ODS		22.5	14.1	21.8	14.1	9.5	13.7	6.0	9.5	6.0	4.0	1-1/2	212		\$129.38
SF285FT	5/8 FL		22.5	14.1	21.8	14.1	9.5	13.7	6.0	9.5	6.0	4.0	1-1/2	223		\$153.53
SF286T	3/4 ODS		30.2	17.9	28.5	17.6	12.0	17.9	7.4	12.0	7.4	5.0	1-1/2	223		\$131.79
SF287T	7/8 ODS		39.0	24.6	39.7	25.3	16.2	24.6	9.8	16.2	10.2	7-1/2	3.0	227		\$112.98
SF289T	1 1/8 ODS		52.1	32.4	51.3	33.1	21.1	32.4	13.0	21.5	13.4	7-1/2	5.0	242		\$140.44
SF489T	1 1/8 ODS	310	56.3	34.8	55.2	35.2	22.9	34.5	13.7	22.9	14.4	10.0	5.0	315	\$142.37	
SF4811T	1 3/8 ODS		64.7	39.4	63.3	40.1	25.7	39.4	15.5	26.0	16.2	12.0	5.0	333	\$152.20	

Single Flow – Without Bypass Relief Feature

Part Number	Connection	Filter Area cm ²	13.0	8.1	13.0	8.4	5.3	8.1	3.2	5.3	3.2	2	1	Overall Length mm	Diameter mm	List Price Excl GST
SF115F	5/8 FL	71	13.0	8.1	13.0	8.4	5.3	8.1	3.2	5.3	3.2	2	1	141	51	\$68.57

Suffix T signifies with Access Valve

