

FILTER DRIERS - SPORLAN

Suction Line Filter Driers (Clean Up after Burn Out and New Systems)

The flow capacities are rated at the maximum recommended pressure drop for permanent installation.

To ensure the suction line filter-drier has ample contaminant removal ability, selection must be based on flow capacity and the amount of desiccant required for system clean-up.

The suction line filter-drier must be large enough to adequately remove acid, moisture and solid contaminants without causing nuisance plug-ups.

Standard Suction Line Driers – Not Reversible

Airefrig Part Number	Connection Type & Size	Desiccant Volume cm ³	R22			R134A			R404A			R410	Overall Length mm	Diameter mm	List Price Excl GST	
			Evaporator Temperature °C													
			+5°C	-5°C	-15°C	+5°C	-5°C	-15°C	-5°C	-15°C	-30°C	+5°C				
			Pressure Drop (bar)													
			0.21	0.14	0.10	0.14	0.10	0.07	0.14	0.10	0.07	0.21				
C084STHH	1/2 ODS	147	7.4	4.6	3.2	4.9	3.2	2.1	4.6	2.8	1.8	9.5	138	76	\$69.89	
C164STHH	1/2 ODS	262	9.5	6.0	3.9	6.0	3.9	2.5	5.6	3.5	2.1	12.7	152		\$85.02	
C165STHH	5/8 ODS		11.3	7.0	4.6	7.0	4.6	2.8	6.7	4.2	2.5	14.8	176		\$103.01	
C166STHH	3/4 ODS		14.1	8.8	5.6	9.1	6.0	3.5	8.4	5.6	3.2	18.3	184		\$103.01	
C305STHH	5/8 ODS	492	12.0	7.4	4.9	7.7	4.9	2.8	7.0	4.6	2.8	15.5	235		\$139.21	
C307STHH	7/8 ODS		18.6	11.6	7.7	12.0	7.7	4.6	11.3	7.0	4.2	24.6	248		\$162.29	
C419STHH	1 1/8 ODS	672	21.8	13.7	8.8	14.1	9.1	5.6	13.0	8.4	5.3	28.1	248		89	\$222.96
C4311STHH	1 3/8 ODS	787	39.0	24.3	16.2	25.0	16.2	9.9	23.6	15.1	9.1	50.7	278		121	\$365.68
C4313STHH	1 5/8 ODS		42.9	26.7	17.6	27.4	17.9	10.9	25.7	16.5	10.2	55.9				\$447.54

Compact Suction Line Driers – Not Reversible

C144STHH	1/2ODS	229	7.4	4.6	3.2	4.6	2.8	1.8	3.2	2.1	1.1	9.5	105	112	\$112.48
C145STHH	5/8ODS		12.0	7.7	4.9	7.4	4.6	2.8	5.6	3.5	2.1	16.2	111		\$133.67
C146STHH	3/4ODS		16.9	10.6	7.0	10.2	6.3	3.9	7.4	4.9	3.2	21.8	123		\$116.85
C147STHH	7/8ODS		18.6	11.6	7.7	11.3	7.4	4.6	8.5	5.6	3.2	23.9	126		\$136.52
C149STHH	1 1/8ODS		24.6	15.5	10.2	14.8	9.5	5.6	11.3	7.4	4.2	31.7	125		\$146.76

T Signifies fitted with 1 Access Valve / TT Signifies fitted with 2 Access Valves / HH Signifies suitable for Burn Out Applications



Standard Body Type



Compact Body Type

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							

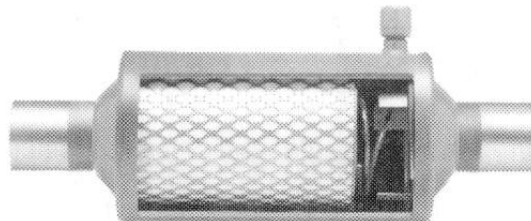
Bi- directional Flow – With Bypass Relief Feature

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

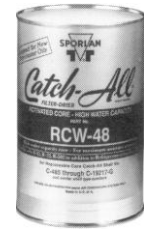
Suffix T signifies with Access Valve



DRIER CORES - SPORLAN

Replaceable Drier Cores & Pleated Elements

Airefrig Part Number	Description – Application	List Price Excl GST
RC4864	Activated Core The standard core suitable for most installations for liquid or suction line.	\$52.31
RC4864HH	Activated Charcoal Core This core should be used for wax removal on low temperature systems, and for clean up after burn-out on all types of systems	\$86.80
RCW48	High Water Capacity Core This core should be used on system that a ruptured condenser or that have been exposed to the atmosphere, or for some reason are expected to have a high amount of water in the system. Designed especially for polyolester oils.	\$98.10
RPE48BD	Pleated Filter Element This should be installed in the suction line to obtain the lowest possible pressure drop. In cleaning up a system after a motor burn out, cores should be used first. Then after the system is thoroughly clean, then the felt element can be installed.	\$77.33



DRIER SHELLS - ENTHALPY

Enthalpy Drier Shells

Airefrig Part Number	Cores	Connection Sizes Inches	Desiccant Volume cm ³	Filter Surface Area cm ²	List Price Ex GST
NFDS485	1	5/8"	786	413	\$224.01
NFDS487	1	7/8"			\$224.01
NFDS489	1	1 1/8"			\$224.01
NFDS4811	1	1 3/8"			\$230.13
NFDS4813	1	1 5/8"			\$230.13
NFDS4817	1	2 1/8"			\$236.43
NFDS967	2	7/8"	1572	826	\$292.23
NFDS969	2	1 1/8"			\$292.23
NFDS9611	2	1 3/8"			\$298.35
NFDS9613	2	1 5/8"			\$302.58
NFDS9617	2	2 1/8"			\$302.58
NFDS1449	3	1 1/8"	2358	1239	\$337.41
NFDS14411	3	1 3/8"			\$337.41
NFDS14413	3	1 5/8"			\$346.41
NFDS14417	3	2 1/8"			\$346.41
NFDS19211	4	1 3/8"	3144	1652	\$390.78
NFDS19213	4	1 5/8"			\$390.78
NFDS19217	4	2 1/8"			\$392.67
NRC081852	Gasket Kit to suit NFDS drier shells				\$17.30



Note: The NFDS Enthalpy drier shells have a maximum working pressure of 500psi.