

# Suction Filters SF

## Parker Sporlan Catch-All®

### Parker Sporlan Catch-All® SF suction Line Filters

protect compressors by removing all particles from refrigeration and air-conditioning circuits. Particles can be carbon deposit, metallic shaving, resulting from wear of compressor or of piping installation.

**Parker Sporlan Catch-All® SF suction Line Filters** must be installed between evaporator and suction accumulator or compressor.

In case of reversible system **Catch-All® SF suction Filters** must be installed between the 4 way valve and compressor's suction valve.

**Catch-All® SF suction Line Filters** can be equipped with one Shraeder valve allowing to check the pressure drop.

**SF-28** and **SF-48 Series** are equipped with a bypass relief valve to prevent an excessive pressure drop. The compressor is better protected against overheating and risk of failures caused by too high pressure drop (too high superheat)

**Catch-All® SF suction Line Filters** is easy to install in suction line and can correspond to all users' requests. An innovative bypass is the key of your success.



### Benefits

PS (MWP)	27.6 bar (400 psig) 11, 28 and 48 Series 34.4 bar (500 psig) 64 Series
TS	-40°C up to +66°C

● <b>Leak Testing:</b>	45 bar in a pool	● <b>Filtration:</b>	20 microns
● <b>Catch-All® Paint:</b>	Winter Gray 10-7069 is a U.L. recognized high gloss epoxy powder coating	● <b>Approvals:</b>	PED 97/23/EC - article 3.3 UL file no. SA-1756A & B

The physical size of the **Catch-All® suction filter drier** range allow the product to be manufactured under the PED category (art.3.3) which does not require the "CE" marking.

For all requests, consult your nearest Parker Sporlan Wholesaler or contact us on:  
racecustomerservice@parker.com / www.parker.com/race

# Technical Data

## SF Suction Filters

### Dimensions, Weight and Packaging

Part Number	Type	Filtration Surface cm <sup>2</sup>	Overall Length L	Dimensions mm Lay in Length A	Shell Diam D1	Weight kg	Quantity Master Box
800028	SF-283-F	180	223	-	76	1.02	12
800007	SF-114-F	71	133	-	51	0.34	25
800012	SF-114	71	141	-	51	0.34	25
800021	SF-115-F	71	111	110	51	0.34	25
800013	SF-115	71	117	116	51	0.34	25
800037	SF-285-T	180	212	211	51	1.02	12
800001	SF-286-T	180	223	222	51	1.02	12
800002	SF-287-T	180	227	225	51	1.02	12
800006	SF-289-T	180	242	240	51	1.02	12
800120	SF-489-T	310	315	314	51	1.36	12
800008	SF-4811-T	310	333	331	51	1.36	12
800011	SF-4813-T	310	341	339	51	1.36	12
800182	SF-6417-T	2500	278	215	121	3.40	6
800189	SF-6421-T	2500	278	211	121	3.40	6

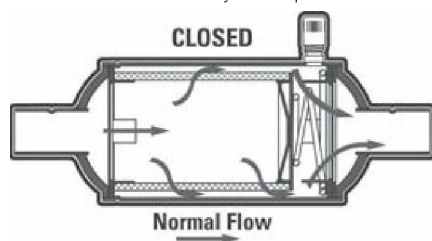
### Cooling Capacity

Part Number	Type	Connection Size		Bypass	Access Valve	Cooling Capacity kW <sup>(1)</sup>				
		SAE	ODF			R134a	R407C	R404A - R507	R410A	R22
800028	SF-283-F	3/8"	-	✓	-	3.1	4.0	3.6	5.1	4.0
800007	SF-114-F	1/2"	-	-	-	3.2	3.9	3.6	5.1	4.0
800012	SF-114	-	1/2"	-	-	3.5	4.6	4.1	5.9	4.6
800021	SF-115-F	5/8"	-	-	-	5.3	6.9	6.2	8.9	6.5
800013	SF-115	-	5/8"	-	-	6.0	7.8	7.0	10.0	7.9
800037	SF-285-T	-	5/8"	✓	✓	9.5	12.3	11.0	15.7	12.4
800001	SF-286-T	-	3/4"	✓	✓	11.8	15.3	13.7	19.6	15.5
800002	SF-287-T	-	7/8"	✓	✓	16.3	21.1	18.9	27.1	21.3
800006	SF-289-T	-	1-1/8"	✓	✓	21.6	28.0	25.0	36.0	28.2
800120	SF-489-T	-	1-1/8"	✓	✓	23.0	29.7	26.5	38.2	30.0
800008	SF-4811-T	-	1-3/8"	✓	✓	26.3	33.8	30.5	43.5	34.3
800011	SF-4813-T	-	1-5/8"	✓	✓	31.0	40.3	36.0	51.8	40.8
800182	SF-6417-T	-	2-1/8"	-	✓	118.6	168.2	142.4	216.2	172.1
800189	SF-6421-T	-	2-5/8"	-	✓	146.6	206.2	174.9	265.1	224.8

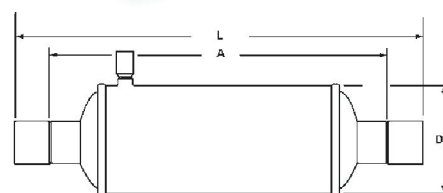
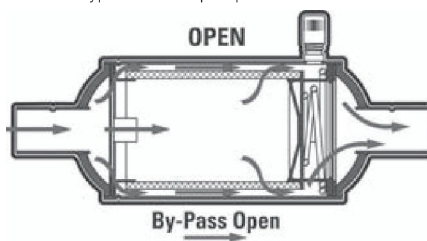
(1) Cooling capacities are published in accordance with ARI 730-2001 standard

Te = -4.4°C, Tc = 32°C, Δp = 0.07 bar (1 psig)

The drawing illustrates the refrigerant flow pattern with the filter in the normally closed position.



The drawing illustrates the refrigerant flow pattern with the bypass in the open position.



Accurate at the time of going to print.

Parker Sporlan SF-280/SF-480 Series Suction Filters can be installed in **either one flow direction or the other**. It does not mean the Suction Filters are suitable for **reversible** flow.