SFD Suction Line Filter-Drier

Features and Specifications

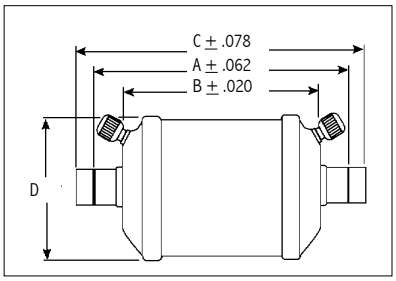
- ☆ Flow Control's standard compacted bead suction filter-drier for moisture, acid and contaminant removal after a burnout or when major work has been performed
- ☆ For use with CFC, HCFC and HFC refrigerants
- ☆ Solid copper fittings
- ☆ Dual access valves
- ☆ Corrosion resistant epoxy powder paint finish
- ☆ Filtration: 40 microns
- ☆ Maximum working pressure: 400 psig
- ☆ CRN file number: 0E0844.9 (see page A)
- ☆ CSA file number: LR 100624
  LR 32462
- ☆ UL file number: SA 3124

Nomenclature

Example: SFD 13S5-VV

SFD	13	S	5	VV
Series	Unit Size (in cu. in.)	S= ODF Connections F = SAE	Connection Size (in 1/8")	Dual Access Valves

Dimensional Data



Ordering Information for SFD

PCN	Catalog Number	Connection Size	Dimensions A	B	C	D	Shipping Weight Lbs.
064042	SFD 08F3-VV	3/8 SAE	N/A	3 3/8	5 1/2	3 1/8	2
064044	SFD 08S3-VV	3/8 ODF	5 5/16		6 3/16		
064043	SFD 08F4-VV	1/2 SAE	N/A		5 3/4		
064045	SFD 08S4-VV	1/2 ODF	3 15/16		5		
064046	SFD 08S5-VV	5/8 ODF	3 29/32		5 5/32		
064047	SFD 08S6-VV	3/4 ODF	4 5/16		5 9/16		
060244	SFD 13F3-VV	3/8 SAE	--		5 1/2	3 11/16	
060245	SFD 13S3-VV	3/8 ODF	3 31/32		4 27/32		
060246	SFD 13F4-VV	1/2 SAE	--		5 3/4		
060247	SFD 13S4-VV	1/2 ODF	3 15/16		4 15/16		
060248	SFD 13F5-VV	5/8 SAE	--		6 1/8		
060249	SFD 13S5-VV	5/8 ODF	3 29/32		5 5/32		
060250	SFD 13S6-VV	3/4 ODF	4		5 1/4		
060262	SFD 13S7-VV	7/8 ODF	4 1/4		5 3/4		
056505	SFD 27S6-VV	3/4 ODF	5 3/4	5 1/8	7		3
060251	SFD 27S7-VV	7/8 ODF	6		7 1/2		
060252	SFD 27S9-VV	1 1/8 ODF	5 13/16		7 5/8		
060253	SFD 54S11-VV	1 3/8 ODF	10 5/16	8 1/4	12 1/4		4 1/2
056504	SFD 54S13-VV	1 5/8 ODF	9 29/32		12 5/32		

Hermetic Suction Line Filter-Drier Flow Capacities

DESCRIPTION	CONNECTIONS	FLOW CAPACITY IN TONS REFRIGERANT① For kW, Multiply Tons by 3.5②													
		R-22/407C					R-12/134a				R-404A/507				
		EVAPORATOR TEMPERATURE (°F)													
		40	20	0	-20	-40	40	20	0	-20	40	20	0	-20	-40
		Pressure Drop (PSI)													
		3	2	1.5	1	0.5	2	1.5	1	0.5	3	2	1.5	1	0.5
ASD 28S3-VV	3/8 ODF	2.3	1.3	0.9	0.6	0.5	1.1	0.6	0.5	0.4	2.1	1.1	0.7	0.5	0.3
ASD 28S4-VV	1/2 ODF	3.8	2.1	1.4	1	0.8	1.9	1.2	0.8	0.6	3.6	1.8	1.1	0.7	0.5
ASD 35F5-VV	5/8 SAE	4.4	2.5	1.7	1.2	0.9	2.2	1.4	1	0.8	4.1	2.1	1.3	0.9	0.6
ASD 35S5-VV	5/8 ODF	5.8	3.2	2.2	1.6	1	2.9	1.9	1.3	1	5.4	2.8	1.7	1.1	0.8
ASD 45S6-VV	3/4 ODF	7	4.6	3.2	2	1.1	3.9	2.5	1.7	1.1	6.4	3.7	2.5	1.6	1
ASD 45S7-VV	7/8 ODF	9.2	6	4.1	2.6	1.4	5.1	3.5	2.2	1.3	7.5	4.8	3.3	2	1.1
ASD 50S9-VV	1 1/8 ODF	13.2	8.5	5.7	3.5	1.8	7.3	4.9	3	1.6	11	6.9	4.6	2.8	1.4
ASD 75S11-VV	1 3/8 ODF	16.2	10.2	6.7	4	2	8.8	5.8	3.5	1.8	14	8.4	5.4	3.2	1.6
ASD 75S13-VV	1 5/8 ODF	17.3	10.7	7	4.2	2.1	9.3	6.1	3.7	1.9	15	8.9	5.7	3.4	1.7
ASF 11S4	1/2 ODF	2.6	1.9	1.4	0.9	0.6	1.8	1.2	0.9	0.5	2.2	1.5	1.1	0.7	0.4
ASF 11S5	5/8 ODF	4.2	3	2.3	1.5	1	2.9	2.1	1.5	0..9	3.5	2.4	1.8	1.2	0.7
ASF 28S3-VV	3/8 ODF	2.4	1.3	0.9	0.7	0.5	1.2	0.8	0.5	0.4	2.2	1.1	0.7	0.5	0.3
ASF 28S4-VV	1/2 ODF	4.1	2.3	1.6	1.2	0.9	2	1.3	0.9	0.7	3.8	2	1.2	0.8	0.6
ASF 35F5-VV	5/8 SAE	4.7	2.6	1.8	1.3	1	2.3	1.5	1	0.8	4.4	2.3	1.4	0.9	0.7
ASF 35S5-VV	5/8 ODF	6.6	3.7	2.6	1.9	1.6	3.3	2.2	1.5	1.2	6.1	3.2	2	1.4	1
ASF 45S6-VV	3/4 ODF	9.8	5.5	3.7	2.7	2.2	4.8	3.1	2.2	1.6	9.1	4.7	2.9	1.9	1.4
ASF 45S7-VV	7/8 ODF	12	8	5.6	3.6	3	6.7	4.7	3.1	1.7	9.8	6.3	4.5	2.8	1.5
ASF 50S9-VV	1 1/8 ODF	19	12	8.2	4.9	2.6	9.5	6.7	4.3	2.3	16	10	6.7	4	2
ASF 64S17-VV	2 1/8 ODF	41	27	19	12	6.9	26	18	12	6.4	35	23	15	9.7	5.2
ASF 64S21-VV	2 5/8 ODF	46	31	22	14	8.6	31	21	14	7.9	40	26	18	12	6.5
ASF 75S11-VV	1 3/8 ODF	24	15	10	6.5	3.2	12	8.7	5.6	3	20	13	8.3	5.1	2.6
ASF 75S13-VV	1 5/8 ODF	15	16	11	6.7	3.3	14	9.5	6.3	3.4	21	13	8.4	5.2	2.7
ASK 165S-VV-HH	5/8 ODF	3.4	2.1	1.4	0.9	0.4	2	1.4	0.8	0.5	3.2	1.9	1.2	0.8	0.3
ASK 166S-VV-HH	3/4 ODF	4.2	2.6	1.7	1	0.5	2.5	1.7	1	0.6	3.9	2.4	1.6	0.9	0.5
ASK 167S-VV-HH	7/8 ODF	4.6	2.8	1.9	1.1	0.6	2.7	1.8	1.1	0.6	4.3	2.6	1.7	1	0.6
ASK 306S-VV-HH	3/4 ODF	5.5	3.5	2.3	1.4	0.8	3.4	2.3	1.4	0.8	5	3.2	2.2	1.2	0.7
ASK 307S-VV-HH	7/8 ODF	6.1	3.8	2.5	1.5	0.8	3.6	2.5	1.5	0.8	5.6	3.5	2.3	1.4	0.7
ASK 309S-VV-HH	1 1/8 ODF	6.5	4	2.6	1.6	0.8	3.9	2.6	1.6	0.8	6	3.7	2.4	1.5	0.7
CSFD14S4-VV	1/2 ODF	2	1.3	0.9	0.6	0.3	1.3	0.9	0.5	0.3	1.3	0.8	0.5	0.3	0.2
CSFD14S5-VV	5/8 ODF	3.6	2.4	1.6	1	0.5	2.3	1.5	0.9	0.5	2.6	1.7	1.1	0.7	0.3
CSFD14S6-VV	3/4 ODF	4.9	3.2	2.2	1.4	0.7	3.1	2.1	1.3	0.7	3.6	2.3	1.5	0.9	0.5
CSFD14S7-VV	7/8 ODF	5.2	3.4	2.3	1.5	0.8	3.3	2.2	1.4	0.7	3.9	2.4	1.6	1	0.5
CSFD14S9-VV	1 1/8 ODF	7	4.6	3.1	2	1	4.5	3	1.8	1	4.9	3.1	2	1.3	0.7
SFD 13F3-VV	3/8 SAE	1.4	0.8	0.4	0.2	0.1	0.7	0.4	0.2	0.1	1.3	0.7	0.4	0.2	0.1
SFD 13S3-VV	3/8 ODF	2.2	1.3	0.8	0.5	0.2	1.3	0.8	0.5	0.2	1.9	1.1	0.7	0.4	0.2
SFD 13F4-VV	1/2 SAE	2.4	1.6	1.1	0.7	0.4	1.5	1	0.6	0.3	2.1	1.3	0.9	0.5	0.3
SFD 13S4-VV	1/2 ODF	3.5	2.3	1.6	1	0.6	2.3	1.5	1	0.5	3	1.9	1.3	0.8	0.4
SFD 13F5-VV	5/8 SAE	3.7	2.4	1.6	1	0.6	2.5	1.7	1.1	0.6	3.2	2	1.4	0.9	0.5
SFD 13S5-VV	5/8 ODF	4.9	3.2	2.2	1.4	0.8	3.1	2.1	1.3	0.7	4.2	2.7	1.8	1.1	0.6
SFD 13S6-VV	3/4 ODF	6.4	4.2	2.8	1.8	1	4.1	2.7	1.7	0.9	5.6	3.5	2.3	1.4	0.7
SFD 13S7-VV	7/8 ODF	7.2	4.6	3	1.9	1	4.4	3	1.9	1	6.3	3.9	2.6	1.5	0.8
SFD 27S6-VV	3/4 ODF	6.4	4.2	2.8	1.8	1	4.1	2.7	1.7	0.9	5.6	3.5	2.3	1.4	0.7
SFD 27S7VV	7/8 ODF	7.5	4.8	3.2	2	1.1	4.7	3.1	1.9	1	6.5	4.1	2.7	1.6	0.8
SFD 27S9-VV	1 1/8 ODF	8.5	5.4	3.5	2.1	1.1	5.2	3.4	2	1	7.5	4.6	3	1.7	0.9
SFD 54S11-VV	1 3/8 ODF	7.3	4.6	3	1.8	1	4.5	2.9	1.7	0.9	6.4	3.9	2.5	1.5	0.7
SFD 54S13-VV	1 5/8 ODF	7.4	4.7	3.2	2	1	4.6	3	1.8	0.9	6.5	4	2.6	1.6	0.8

①All ratings in accordance with ARI Standard 730-86.
Example: 1.0 tons x 3.5 = 3.5 kW
②For 2 PSI ΔP, Multiply values by 1.4