

ASF SUCTION LINE FILTER

FEATURES AND SPECIFICATIONS

- ☆ ASF suction line filters are specifically designed to protect the compressor from solid contaminants
- ☆ Dual access valves
- ☆ Solid copper fittings
- ☆ Corrosion resistant epoxy powder paint finish
- ☆ Filtration: 40 microns
- ☆ Maximum working pressure: 500 psig
- ☆ CRN file number: OE0844.9 (see page A)
- ☆ CSA file number: LR 100624
LR 32462
- ☆ UL file number: SA 3124

CAN BE USED FOR OIL LINE APPLICATIONS



NOMENCLATURE

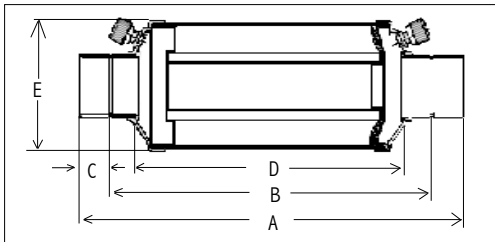
ASF	35	S	5	VV
Series	Unit Size (in cu. in.)	S = ODF connections F = SAE	Connection Size (in 1/8")	Dual Access Valve

ORDERING INFORMATION FOR ASF

PCN	CATALOG NUMBER	CONNECTION SIZE	DIMENSIONS					SHIP WT. LBS
			A	B	C	D	⌀	
062961	ASF 11S4	1/2 ODF	4 3/8	3 3/8	1/2	2 7/8	2 5/8	1 1/2
062962	ASF 11S5	5/8 ODF	4 5/8	3 3/8	5/8			
049177	ASF 28S3-VV	3/8 ODF	5 19/32	4 23/32	7/16	4 1/8	3 11/16	2
049178	ASF 28S4-VV	1/2 ODF	5 11/16	4 11/16	1/2			
049179	ASF 35F5-VV	5/8 SAE	7 9/16	--	--	4 3/4	3 11/16	2 1/2
049180	ASF 35S5-VV	5/8 ODF	6 17/32	5 9/32	5/8			
059999	ASF 45F3-VV	3/8 SAE	7.68	--	--	5 9/16	3 11/16	3
049181	ASF 45S6-VV	3/4 ODF	7 3/4	6 1/2	5/8			
049182	ASF 45S7-VV	7/8 ODF	7 15/16	6 7/16	3/4	6 1/8	3 11/16	3 1/2
049183	ASF 50S9-VV	1 1/8 ODF	8 27/32	7 1/32	29/32			
063113	ASF 64S17-V	2 1/8 ODF	11 3/4	9 1/16	1 5/16	7 5/8	5	6 1/2
063115	ASF 64S21-V	2 5/8 ODF	13	10	1 1/2			
049184	ASF 75S11-VV	1 3/8 ODF	12 1/4	10 5/16	31/32	8 1/4	5	5
049185	ASF 75S13-VV	1 5/8 ODF	12 5/32	9 29/32	1 1/8			

⌀ Does not include weld bead

DIMENSIONAL DATA



HERMETIC SUCTION LINE FILTER-DRIER FLOW CAPACITIES

DESCRIPTION	CONNECTIONS	FLOW CAPACITY IN TONS REFRIGERANT ^①														
		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 16S5-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 16S6-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 16S7-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 30S6-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 30S7-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 30S9-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 27S7-VV	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