

# ASD Premium Suction Line Filter Drier

The ASD is a premium suction line filter drier for use with CFC, HCFC and HFC refrigerants. The ASD is optimized for high moisture, acid, and solid contaminant removal.

## Features

- Outstanding filtration for ultimate compressor protection
- Dual access valves for easy pressure readings
- Solid copper connections
- Corrosion resistant epoxy powder paint finish



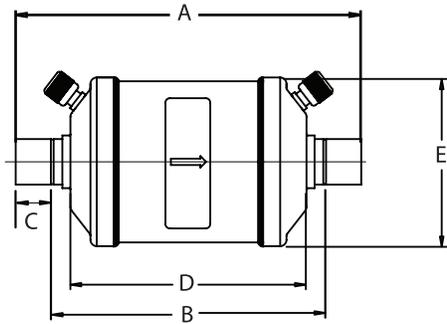
## Specifications

- Filtration: 40 microns
- Maximum working pressure: 500 psig
- UL/CUL file number: SA 3124

## Nomenclature example: ASD 35S5VV

ASD	35	S	5	VV
Series	Unit Size (in cu. in.)	Connections S = ODF F = SAE	Connection Size (in 1/8")	Dual Access Valves

## Dimensional Data



## Ordering Information

PCN	Description	Connection Size	Dimensions (in)					Weight (lbs)
			A	B	C	D	E	
056352	ASD 28F3	3/8 SAE	5.59	--	0.44	4.13	3.69	2.00
049168	ASD 28S3-W	3/8 ODF	5.59	4.72	0.44	4.13		
049169	ASD 28S4-W	1/2 ODF	5.69	4.69	0.50	4.13		
049170	ASD 35F5-W	5/8 SAE	7.56	--	--	4.75		2.50
049171	ASD 35S5-W	5/8 ODF	6.22	5.28	0.63	4.75		3.00
049172	ASD 45S6-W	3/4 ODF	7.75	6.50	0.63	5.56		3.50
049173	ASD 45S7-W	7/8 ODF	7.94	6.44	0.75	5.56		5.00
049174	ASD 50S9-W	1 1/8 ODF	8.84	7.03	0.91	6.13		3.50
049175	ASD 75S11-W	1 3/8 ODF	12.25	10.31	0.97	8.25		5.00
049176	ASD 75S13-W	1 5/8 ODF	12.16	9.91	1.13	8.25		5.00

Standard Product Offering

# Hermetic Suction Line Filter Drier Flow Capacities

Description	Connections	Flow Capacity In Tons Refrigerant <sup>1</sup> (For kW, Multiply Tons By 3.5) <sup>2</sup>											
		R-12				R-134a/R-450A/R-513A				R-744			
		Evaporator Temperature (°F)											
		40	20	0	-20	40	20	0	-20	20	0	-20	-40
		Pressure Drop (PSI)											
2	1.5	1	0.5	2	1.5	1	0.5	6	5	4	3		
ASD 28S3-VV	3/8 ODF	1.1	0.6	0.5	0.5	1.1	0.6	0.5	0.4	7.2	6.3	6.8	8.5
ASD 28S4-VV	1/2 ODF	1.8	1.2	0.8	0.7	1.9	1.2	0.8	0.6	11.8	10.2	10.6	14.2
ASD 35F5-VV	5/8 SAE	2.1	1.4	1.1	0.9	2.2	1.4	1.0	0.8	13.7	12.2	12.9	17.0
ASD 35S5-VV	5/8 ODF	2.8	1.9	1.4	1.1	2.9	1.9	1.3	1.0	18.1	15.6	16.7	22.7
ASD 45S6-VV	3/4 ODF	3.8	2.5	1.8	1.2	3.9	2.5	1.7	1.1	21.8	22.4	24.2	28.4
ASD 45S7-VV	7/8 ODF	5.0	3.6	2.3	1.5	5.1	3.5	2.2	1.3	28.7	29.2	31.1	36.9
ASD 50S9-VV	1-1/8 ODF	7.1	5.0	3.2	1.8	7.3	4.9	3.0	1.6	41.1	41.3	43.2	49.6
ASD 75S11-VV	1-3/8 ODF	8.6	5.9	3.7	2.0	8.8	5.8	3.5	1.8	50.5	49.6	50.8	56.7
ASD 75S13-VV	1-5/8 ODF	9.0	6.2	3.9	2.1	9.3	6.1	3.7	1.9	53.9	52.0	53.0	59.6
ASF 28S3-VV	3/8 ODF	1.2	0.8	0.5	0.5	1.2	0.8	0.5	0.4	7.5	6.3	6.8	9.9
ASF 28S4-VV	1/2 ODF	1.9	1.3	0.9	0.8	2.0	1.3	0.9	0.7	12.8	11.2	12.1	17.0
ASF 35F5-VV	5/8 SAE	2.2	1.5	1.1	0.9	2.3	1.5	1.0	0.8	14.6	12.6	13.6	18.4
ASF 35S5-VV	5/8 ODF	3.2	2.2	1.6	1.4	3.3	2.2	1.5	1.2	20.6	18.0	19.7	26.9
ASF 45S6-VV	3/4 ODF	4.7	3.2	2.3	1.8	4.8	3.1	2.2	1.6	30.5	26.7	28.0	38.3
ASF 45S7-VV	7/8 ODF	6.5	4.8	3.3	1.9	6.7	4.7	3.1	1.7	37.4	38.9	42.4	51.0
ASF 50S9-VV	1-1/8 ODF	9.2	6.8	4.5	2.6	9.5	6.7	4.3	2.3	59.2	58.3	62.1	69.5
ASF 64S17-VV	2-1/8 ODF	25.3	18.3	12.6	7.2	26.0	18	12	6.4	127.8	131.2	144.0	170.2
ASF 75S11-VV	1-3/8 ODF	11.7	8.8	5.9	3.4	12.0	8.7	5.6	3.0	49.9	72.9	83.4	95.0
ASF 75S13-VV	1-5/8 ODF	13.6	9.7	6.6	3.8	14.0	9.5	6.3	3.4	74.8	72.9	75.8	92.2
ASK 165S-VV-HH	5/8 ODF	1.9	1.4	0.8	0.6	2.0	1.4	0.8	0.5	10.6	10.2	10.6	12.8
ASK 166S-VV-HH	3/4 ODF	2.4	1.7	1.1	0.7	2.5	1.7	1.0	0.6	13.1	12.6	12.9	14.2
ASK 167S-VV-HH	7/8 ODF	2.6	1.8	1.2	0.7	2.7	1.8	1.1	0.6	14.3	13.6	14.4	15.6
ASK 306S-VV-HH	3/4 ODF	3.3	2.3	1.5	0.9	3.4	2.3	1.4	0.8	17.1	17.0	17.4	19.9
ASK 307S-VV-HH	7/8 ODF	3.5	2.5	1.6	0.9	3.6	2.5	1.5	0.8	19.0	18.5	18.9	21.3
ASK 309S-VV-HH	1-1/8 ODF	3.8	2.6	1.7	0.9	3.9	2.6	1.6	0.8	20.3	19.4	19.7	22.7
CSFD 14S4-VV	1/2 ODF	1.3	0.9	0.5	0.3	1.3	0.9	0.5	0.3	6.2	6.3	6.8	8.5
CSFD 14S5-VV	5/8 ODF	2.2	1.5	0.9	0.6	2.3	1.5	0.9	0.5	11.2	11.7	12.1	14.2
CSFD 14S6-VV	3/4 ODF	3.0	2.1	1.3	0.8	3.1	2.1	1.3	0.7	15.3	15.6	16.7	19.9
CSFD 14S7-VV	7/8 ODF	3.2	2.2	1.5	0.8	3.3	2.2	1.4	0.7	16.2	16.5	17.4	21.3
CSFD 14S9-VV	1-1/8 ODF	4.4	3.1	1.9	1.1	4.5	3.0	1.8	1.0	21.8	22.4	23.5	28.4
SFD 13F3-VV	3/8 SAE	0.7	0.4	0.2	0.1	0.7	0.4	0.2	0.1	4.4	3.9	3.0	2.8
SFD 13S3-VV	3/8 ODF	1.3	0.8	0.5	0.2	1.3	0.8	0.5	0.2	6.9	6.3	6.1	7.1
SFD 13F4-VV	1/2 SAE	1.5	1.0	0.6	0.3	1.5	1.0	0.6	0.3	7.5	7.8	8.3	9.9
SFD 13S4-VV	1/2 ODF	2.2	1.5	1.1	0.6	2.3	1.5	1.0	0.5	10.9	11.2	12.1	14.2
SFD 13F5-VV	5/8 SAE	2.4	1.7	1.2	0.7	2.5	1.7	1.1	0.6	11.5	11.7	12.1	14.2
SFD 13S5-VV	5/8 ODF	3.0	2.1	1.4	0.8	3.1	2.1	1.3	0.7	15.3	15.6	16.7	19.9
SFD 13S6-VV	3/4 ODF	4.0	2.7	1.8	1.0	4.1	2.7	1.7	0.9	19.9	20.4	21.2	25.5
SFD 13S7-VV	7/8 ODF	4.3	3.1	2.0	1.1	4.4	3.0	1.9	1.0	22.4	22.4	22.7	26.9
SFD 27S6-VV	3/4 ODF	4.0	2.7	1.8	1.0	4.1	2.7	1.7	0.9	19.9	20.4	21.2	25.5
SFD 27S7-VV	7/8 ODF	4.6	3.2	2.0	1.1	4.7	3.1	1.9	1.0	23.4	23.3	24.2	28.4
SFD 27S9-VV	1-1/8 ODF	5.1	3.5	2.1	1.1	5.2	3.4	2.0	1.0	26.5	26.2	26.5	29.8
SFD 54S11-VV	1-3/8 ODF	4.4	2.9	1.8	1.0	4.5	2.9	1.7	0.9	22.8	22.4	22.7	25.5
SFD 54S13-VV	1-5/8 ODF	4.5	3.1	1.9	1.0	4.6	3.0	1.8	0.9	23.1	22.8	24.2	28.4

<sup>1</sup> All ratings in accordance with ARI Standard 730-04.

<sup>2</sup> Example: 1.0 tons x 3.5 = 3.5 kW

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