

# HERMETIC SUCTION LINE FILTER DRIER FLOW CAPACITIES

MODEL NUMBER	CONNECTIONS (IN)	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)											
		2.0	1.5	1.0	0.5	2.0	1.5	1.0	0.5	6.0	5.0	4.0	3.0
ASD 28S3VV	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 28S4VV	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 35F5VV	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 35S5VV	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 45S6VV	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 45S7VV	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 50S9VV	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 75S11VV	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 75S13VV	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 28S3VV	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 28S4VV	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 35F5VV	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 35S5VV	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 45S6VV	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 45S7VV	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 50S9VV	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 64S17VV	2-1/8 ODF	25.3	18.3	12.6	7.2	26.0	18.0	12.0	6.4	127.8	131.2	144.0	170.2
ASF 75S11VV	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 75S13VV	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-VVHH	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-VVHH	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-VVHH	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-VVHH	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-VVHH	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-VVHH	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 14S4VV	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 14S5VV	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 14S6VV	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 14S7VV	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 14S9VV	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 13F3VV	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 13S3VV	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 13F4VV	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 13S4VV	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 13F5VV	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 13S5VV	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 13S6VV	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 13S7VV	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 27S6VV	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 27S7VV	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 27S9VV	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 54S11VV	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 54S13VV	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

# HERMETIC SUCTION LINE FILTER DRIER FLOW CAPACITIES

MODEL NUMBER	CONNECTIONS (IN)	FLOW CAPACITY IN TONS REFRIGERANT <sup>1</sup> (FOR KW, MULTIPLY TONS BY 3.5) <sup>2</sup>														
		R-22 / R-448A / R-449A					R-407C					R-410A				
		EVAPORATOR TEMPERATURE (°F)														
		40	20	0	-20	-40	40	20	0	-20	-40	40	20	0	-20	-40
		PRESSURE DROP (PSI)														
3.0	2.0	1.5	1.0	0.5	3.0	2.0	1.5	1.0	0.5	3.0	2.0	1.5	1.0	0.5		
ASD 28S3VV	3/8 ODF	2.3	1.3	0.9	0.6	0.5	2.1	1.2	0.8	0.5	0.4	2.8	1.6	1.1	0.7	0.6
ASD 28S4VV	1/2 ODF	3.8	2.1	1.4	1.0	0.8	3.5	1.9	1.2	0.9	0.7	4.6	2.6	1.7	1.2	1.0
ASD 35F5VV	5/8 SAE	4.4	2.5	1.7	1.2	0.9	4.1	2.3	1.5	1.0	0.7	5.3	3.0	2.1	1.5	1.1
ASD 35S5VV	5/8 ODF	5.8	3.2	2.2	1.6	1.0	5.4	2.9	1.9	1.4	0.8	7.0	3.9	2.7	2.0	1.3
ASD 45S6VV	3/4 ODF	7.0	4.6	3.2	2.0	1.1	6.5	4.2	2.8	1.7	0.9	8.5	5.6	3.9	2.5	1.4
ASD 45S7VV	7/8 ODF	9.2	6.0	4.1	2.6	1.4	8.5	5.5	3.6	2.3	1.2	11.2	7.3	5.0	3.2	1.8
ASD 50S9VV	1-1/8 ODF	13.2	8.5	5.7	3.5	1.8	12.2	7.7	5.0	3.1	1.5	16.0	10.3	7.0	4.3	2.3
ASD 75S11VV	1-3/8 ODF	16.2	10.2	6.7	4.0	2.0	15.0	9.3	5.9	3.5	1.7	19.6	12.4	8.2	5.0	2.5
ASD 75S13VV	1-5/8 ODF	17.3	10.7	7.0	4.2	2.1	16.0	9.7	6.2	3.7	1.7	21.0	13.0	8.6	5.2	2.6
ASF 28S3VV	3/8 ODF	2.4	1.3	0.9	0.7	0.5	2.2	1.2	0.8	0.6	0.4	2.9	1.6	1.1	0.9	0.6
ASF 28S4VV	1/2 ODF	4.1	2.3	1.6	1.2	0.9	3.8	2.1	1.4	1.0	0.7	5.0	2.8	2.0	1.5	1.1
ASF 35F5VV	5/8 SAE	4.7	2.6	1.8	1.3	1.0	4.4	2.4	1.6	1.1	0.8	5.7	3.2	2.2	1.6	1.3
ASF 35S5VV	5/8 ODF	6.6	3.7	2.6	1.9	1.6	6.1	3.4	2.3	1.7	1.3	8.0	4.5	3.2	2.4	2.0
ASF 45S6VV	3/4 ODF	9.8	5.5	3.7	2.7	2.2	9.1	5.0	3.3	2.4	1.8	11.9	6.7	4.5	3.4	2.8
ASF 45S7VV	7/8 ODF	12.0	8.0	5.6	3.6	3.0	11.1	7.3	5.0	3.1	2.5	14.6	9.7	6.9	4.5	3.8
ASF 50S9VV	1-1/8 ODF	19.0	12.0	8.2	4.9	2.6	17.6	10.9	7.3	4.3	2.2	23.0	14.6	10.1	6.1	3.3
ASF 64S17VV	2-1/8 ODF	41.0	27.0	19.0	12.0	6.9	38.0	24.5	16.8	10.5	5.7	49.7	32.8	23.3	14.9	8.6
ASF 75S11VV	1-3/8 ODF	16.0	15.0	11.0	6.7	3.3	14.8	13.6	9.7	5.8	2.7	19.4	18.2	13.5	8.3	4.1
ASF 75S13VV	1-5/8 ODF	24.0	15.0	10.0	6.5	3.2	22.2	13.6	8.9	5.7	2.7	29.1	18.2	12.3	8.1	4.0
ASK 165S-VVHH	5/8 ODF	3.4	2.1	1.4	0.9	0.4	3.2	1.9	1.2	0.8	0.3	4.1	2.6	1.7	1.1	0.5
ASK 166S-VVHH	3/4 ODF	4.2	2.6	1.7	1.0	0.5	3.9	2.4	1.5	0.9	0.4	5.1	3.2	2.1	1.2	0.6
ASK 167S-VVHH	7/8 ODF	4.6	2.8	1.9	1.1	0.6	4.3	2.5	1.7	1.0	0.5	5.6	3.4	2.3	1.4	0.8
ASK 306S-VVHH	3/4 ODF	5.5	3.5	2.3	1.4	0.8	5.1	3.2	2.0	1.2	0.7	6.7	4.3	2.8	1.7	1.0
ASK 307S-VVHH	7/8 ODF	6.1	3.8	2.5	1.5	0.8	5.7	3.5	2.2	1.3	0.7	7.4	4.6	3.1	1.9	1.0
ASK 309S-VVHH	1-1/8 ODF	6.5	4.0	2.6	1.6	0.8	6.0	3.6	2.3	1.4	0.7	7.9	4.9	3.2	2.0	1.0
CSFD 14S4VV	1/2 ODF	2.0	1.3	0.9	0.6	0.3	1.9	1.2	0.8	0.5	0.2	2.4	1.6	1.1	0.7	0.4
CSFD 14S5VV	5/8 ODF	3.6	2.4	1.6	1.0	0.5	3.3	2.2	1.4	0.9	0.4	4.4	2.9	2.0	1.2	0.6
CSFD 14S6VV	3/4 ODF	4.9	3.2	2.2	1.4	0.7	4.5	2.9	1.9	1.2	0.6	5.9	3.9	2.7	1.7	0.9
CSFD 14S7VV	7/8 ODF	5.2	3.4	2.3	1.5	0.8	4.8	3.1	2.0	1.3	0.7	6.3	4.1	2.8	1.9	1.0
CSFD 14S9VV	1-1/8 ODF	7.0	4.6	3.1	2.0	1.0	6.5	4.2	2.7	1.7	0.8	8.5	5.6	3.8	2.5	1.3
SFD 13F3VV	3/8 SAE	1.4	0.8	0.4	0.2	0.1	1.3	0.7	0.4	0.2	0.1	1.7	1.0	0.5	0.2	0.1
SFD 13S3VV	3/8 ODF	2.2	1.3	0.8	0.5	0.2	2.0	1.2	0.7	0.4	0.2	2.7	1.6	1.0	0.6	0.3
SFD 13F4VV	1/2 SAE	2.4	1.6	1.1	0.7	0.4	2.2	1.5	1.0	0.6	0.3	2.9	1.9	1.3	0.9	0.5
SFD 13S4VV	1/2 ODF	3.5	2.3	1.6	1.0	0.6	3.2	2.1	1.4	0.9	0.5	4.2	2.8	2.0	1.2	0.8
SFD 13F5VV	5/8 SAE	3.7	2.4	1.6	1.0	0.6	3.4	2.2	1.4	0.9	0.5	4.5	2.9	2.0	1.2	0.8
SFD 13S5VV	5/8 ODF	4.9	3.2	2.2	1.4	0.8	4.5	2.9	1.9	1.2	0.7	5.9	3.9	2.7	1.7	1.0
SFD 13S6VV	3/4 ODF	6.4	4.2	2.8	1.8	1.0	5.9	3.8	2.5	1.6	0.8	7.8	5.1	3.4	2.2	1.3
SFD 13S7VV	7/8 ODF	7.2	4.6	3.0	1.9	1.0	6.7	4.2	2.7	1.7	0.8	8.7	5.6	3.7	2.4	1.3
SFD 27S6VV	3/4 ODF	6.4	4.2	2.8	1.8	1.0	5.9	3.8	2.5	1.6	0.8	7.8	5.1	3.4	2.2	1.3
SFD 27S7VV	7/8 ODF	7.5	4.8	3.2	2.0	1.1	7.0	4.4	2.8	1.7	0.9	9.1	5.8	3.9	2.5	1.4
SFD 27S9VV	1-1/8 ODF	8.5	5.4	3.5	2.1	1.1	7.9	4.9	3.1	1.8	0.9	10.3	6.6	4.3	2.6	1.4
SFD 54S11VV	1-3/8 ODF	7.3	4.6	3.0	1.8	1.0	6.8	4.2	2.7	1.6	0.8	8.9	5.6	3.7	2.2	1.3
SFD 54S13VV	1-5/8 ODF	7.4	4.7	3.2	2.0	1.0	6.9	4.3	2.8	1.7	0.8	9.0	5.7	3.9	2.5	1.3

<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

# HERMETIC SUCTION LINE FILTER DRIER FLOW CAPACITIES

MODEL NUMBER	CONNECTIONS (IN)	FLOW CAPACITY IN TONS REFRIGERANT <sub>1</sub> (FOR KW, MULTIPLY TONS BY 3.5) <sub>2</sub>									
		R-502					R-404A / R-507				
		EVAPORATOR TEMPERATURE (°F)									
		40	20	0	-20	40	20	0	-20	-40	
		PRESSURE DROP (PSI)									
		3.0	2.0	1.5	1.0	3.0	2.0	1.5	1.0	0.5	
ASD 28S3VV	3/8 ODF	2.2	1.1	0.7	0.5	2.1	1.1	0.7	0.5	0.3	
ASD 28S4VV	1/2 ODF	3.7	1.8	1.1	0.7	3.6	1.8	1.1	0.7	0.5	
ASD 35F5VV	5/8 SAE	4.2	2.1	1.3	0.9	4.1	2.1	1.3	0.9	0.6	
ASD 35S5VV	5/8 ODF	5.6	2.8	1.7	1.1	5.4	2.8	1.7	1.1	0.8	
ASD 45S6VV	3/4 ODF	6.6	3.7	2.5	1.5	6.4	3.7	2.5	1.6	1.0	
ASD 45S7VV	7/8 ODF	7.7	4.8	3.3	1.9	7.5	4.8	3.3	2.0	1.1	
ASD 50S9VV	1-1/8 ODF	11.0	6.9	4.6	2.7	11.0	6.9	4.6	2.8	1.4	
ASD 75S11VV	1-3/8 ODF	14.0	8.4	5.4	3.1	14.0	8.4	5.4	3.2	1.6	
ASD 75S13VV	1-5/8 ODF	15.0	8.9	5.7	3.3	15.0	8.9	5.7	3.4	1.7	
ASF 28S3VV	3/8 ODF	2.3	1.1	0.7	0.5	2.2	1.1	0.7	0.5	0.3	
ASF 28S4VV	1/2 ODF	3.9	2.0	1.2	0.8	3.8	2.0	1.2	0.8	0.6	
ASF 35F5VV	5/8 SAE	4.5	2.3	1.4	0.9	4.4	2.3	1.4	0.9	0.7	
ASF 35S5VV	5/8 ODF	6.3	3.2	2.0	1.4	6.1	3.2	2.0	1.4	1.0	
ASF 45S6VV	3/4 ODF	9.4	4.7	2.9	1.8	9.1	4.7	2.9	1.9	1.4	
ASF 45S7VV	7/8 ODF	10.0	6.3	4.5	2.7	9.8	6.3	4.5	2.8	1.5	
ASF 50S9VV	1-1/8 ODF	16.0	10.0	6.6	3.9	16.0	10.0	6.7	4.0	2.0	
ASF 64S17VV	2-1/8 ODF	36.0	23.0	15.0	9.5	35.0	23.0	15.0	9.8	5.2	
ASF 75S11VV	1-3/8 ODF	21.0	13.0	8.2	4.9	20.0	13.0	8.3	5.1	2.6	
ASF 75S13VV	1-5/8 ODF	22.0	13.0	8.3	5.0	21.0	13.0	8.4	5.2	2.7	
ASK 165S-VVHH	5/8 ODF	3.3	1.9	1.2	0.8	3.2	1.9	1.2	0.8	0.3	
ASK 166S-VVHH	3/4 ODF	4.0	2.4	1.6	0.9	3.9	2.4	1.6	0.9	0.5	
ASK 167S-VVHH	7/8 ODF	4.4	2.6	1.7	1.0	4.3	2.6	1.7	1.0	0.6	
ASK 306S-VVHH	3/4 ODF	5.2	3.2	2.2	1.2	5.0	3.2	2.2	1.2	0.7	
ASK 307S-VVHH	7/8 ODF	5.8	3.5	2.3	1.4	5.6	3.5	2.3	1.4	0.7	
ASK 309S-VVHH	1-1/8 ODF	6.2	3.7	2.4	1.4	6.0	3.7	2.4	1.5	0.7	
CSFD 14S4VV	1/2 ODF	1.3	0.8	0.5	0.3	1.3	0.8	0.5	0.3	0.2	
CSFD 14S5VV	5/8 ODF	2.7	1.7	1.1	0.7	2.6	1.7	1.1	0.7	0.3	
CSFD 14S6VV	3/4 ODF	3.7	2.3	1.5	0.9	3.6	2.3	1.5	0.9	0.5	
CSFD 14S7VV	7/8 ODF	4.0	2.4	1.6	1.0	3.9	2.4	1.6	1.0	0.5	
CSFD 14S9VV	1-1/8 ODF	5.1	3.1	2.0	1.3	4.9	3.1	2.0	1.3	0.7	
SFD 13F3VV	3/8 SAE	1.3	0.7	0.4	0.2	1.3	0.7	0.4	0.2	0.1	
SFD 13S3VV	3/8 ODF	2.0	1.1	0.7	0.4	1.9	1.1	0.7	0.4	0.2	
SFD 13F4VV	1/2 SAE	2.2	1.3	0.9	0.5	2.1	1.3	0.9	0.5	0.3	
SFD 13S4VV	1/2 ODF	3.1	1.9	1.3	0.8	3.0	1.9	1.3	0.8	0.4	
SFD 13F5VV	5/8 SAE	3.3	2.0	1.4	0.9	3.2	2.0	1.4	0.9	0.5	
SFD 13S5VV	5/8 ODF	4.3	2.7	1.8	1.1	4.2	2.7	1.8	1.1	0.6	
SFD 13S6VV	3/4 ODF	5.8	3.5	2.3	1.4	5.6	3.5	2.3	1.4	0.7	
SFD 13S7VV	7/8 ODF	6.5	3.9	2.6	1.4	6.3	3.9	2.6	1.5	0.8	
SFD 27S6VV	3/4 ODF	5.8	3.5	2.3	1.4	5.6	3.5	2.3	1.4	0.7	
SFD 27S7VV	7/8 ODF	6.7	4.1	2.7	1.5	6.5	4.1	2.7	1.6	0.8	
SFD 27S9VV	1-1/8 ODF	7.7	4.6	3.0	1.6	7.5	4.6	3.0	1.7	0.9	
SFD 54S11VV	1-3/8 ODF	6.6	3.9	2.5	1.4	6.4	3.9	2.5	1.5	0.7	
SFD 54S13VV	1-5/8 ODF	6.7	4.0	2.6	1.5	6.5	4.0	2.6	1.6	0.8	

<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