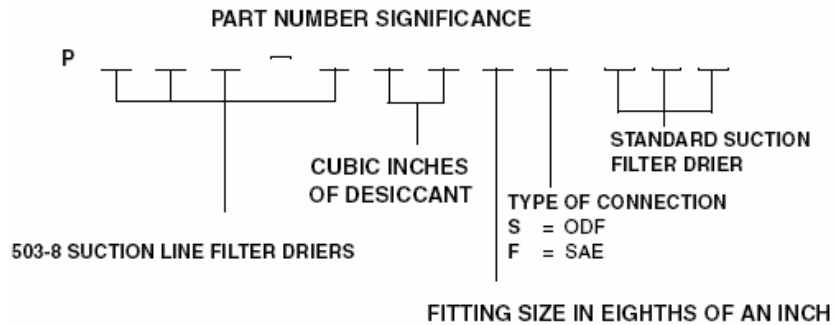


## TOTALINE® STANDARD CAPACITY SUCTION LINE FILTER DRIERS— P503-8 SERIES

### TOTALINE STANDARD CAPACITY SUCTION LINE FILTER DRIERS PHYSICAL DATA



#### APPLICATION

- Totaline standard compacted bead suction filter drier for use after burnout or when contaminant removal.
- For use with CFC, CHFC, & HFC refrigerants.
- Suction line filter drier used for moisture, acid and contaminant removal.

#### SPECIFICATIONS

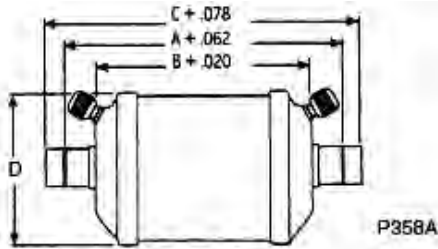
Filtration: 40 microns  
 Max Working Pressure: 400 PSIG  
 UL & CSA Approved: UL file number: SA3124,  
 CSA file numbers: LR100624, LR32462

#### FEATURES

- Corrosion Resistant Epoxy Powder Paint Finish
- Solid Copper Fittings
- Dual Access Valves



#### DIMENSIONAL DATA



#### TOTALINE STANDARD CAPACITY SUCTION LINE FILTER DRIERS PHYSICAL DATA

PART NO	CONNECTION SIZE	DIMENSIONS				SHIPPING WT (lbs)	DESSICANT VOLUME (cu in.)
		A	B	C	D		
P503-8133FSFD	3/8 SAE	N/A	3-3/8	5.5	3-11/16	2	13.5
P503-8133SSFD	3/8 ODF	3-31/32	3-3/8	4-27/32	3-11/16	2	13.5
P503-8134SSFD	1/2 ODF	3-15/16	3-3/8	4-15/16	3-11/16	2	13.5
P503-8135FSFD	5/8 SAE	N/A	3-3/8	6-1/8	3-11/16	2	13.5
P503-8135SSFD	5/8 ODF	3-29/32	3-3/8	5-5/32	3-11/16	2	13.5
P503-8136SSFD	3/4 ODF	4	3-3/8	5-1/4	3-11/16	2	13.5
P503-8137SSFD	7/8 ODF	4-1/4	3-3/8	5-3/4	3-11/16	2	13.5
P503-8277SSFD	7/8 ODF	6	5-1/8	7-1/2	3-11/16	3	27.0
P503-8279SSFD	1-1/8 ODF	5-13/16	5-1/8	7-5/8	3-11/16	3	27.0
P503-85411SSFD	1-3/8 ODF	10-5/16	8-1/4	12-1/4	3-11/16	4.5	54.0
P503-85413SSFD	1-5/8 ODF	9-29/32	8-1/4	12-5/32	3-11/16	4.5	54.0

## TOTALINE® STANDARD CAPACITY SUCTION LINE FILTER DRIERS— P503-8 SERIES CAPACITY TABLE

PART NO	CONNECTION (Size and Type)	FLOW CAPACITY IN TONS REFRIGERANT (For kW, Multiply Tons by 3.5)																	
		R-12				R-134a				R-22				R-407C					
		Evaporator Temperature (°F)																	
		40	20	0	-20	40	20	0	-20	40	20	0	-20	40	20	0	-20	-40	
		Pressure Drop (PSI)																	
P503-8133FSFD	3/8 SAE	0.7	0.4	0.2	0.1	0.7	0.4	0.2	0.1	1.4	0.8	0.4	0.2	0.1	1.6	0.9	0.5	0.2	0.1
P503-8133SSFD	3/8 ODF	1.3	0.8	0.5	0.2	1.3	0.8	0.5	0.2	2.2	1.3	0.8	0.5	0.2	2.4	1.5	1	0.6	0.3
P503-8134SSFD	1/2 ODF	2.2	1.5	1.1	0.6	2.3	1.5	1	0.5	3.5	2.3	1.6	1	0.6	3.9	2.6	1.9	1.2	0.8
P503-8135FSFD	5/8 SAE	2.4	1.7	1.2	0.7	2.5	1.7	1.1	0.6	3.7	2.4	1.6	1	0.6	4.1	2.8	1.9	1.2	0.8
P503-8135SSFD	5/8 ODF	3	2.1	1.4	0.8	3.1	2.1	1.3	0.7	4.9	3.2	2.2	1.4	0.8	5.5	3.7	2.7	1.7	1.1
P503-8136SSFD	3/8 ODF	4	2.7	1.8	1	4.1	2.7	1.7	0.9	6.4	4.2	2.8	1.8	1	7.1	4.8	3.4	2.2	1.3
P503-8137SSFD	7/8 ODF	4.3	3.1	2	1.1	4.4	3	1.9	1	7.2	4.6	3	1.9	1	8	5.3	3.6	2.3	1.3
P503-8277SSFD	7/8 ODF	4.6	3.2	2	1.1	4.7	3.1	1.9	1	7.5	4.8	3.2	2	1.1	8.3	5.5	3.9	2.5	1.5
P503-8279SSFD	1-1/8 ODF	5.1	3.5	2.1	1.1	5.2	3.4	2	1	8.5	5.4	3.5	2.1	1.1	9.5	6.2	4.2	2.6	1.5
P503-85411SSFD	1-3/8 ODF	4.4	2.9	1.8	1	4.5	2.9	1.7	0.9	7.3	4.6	3	1.8	1	8.1	5.3	3.6	2.2	1.3
P503-85413SSFD	1-5/8 ODF	4.5	3.1	1.9	1	4.6	3	1.8	0.9	7.4	4.7	3.2	2	1	8.2	5.4	3.9	2.5	1.3

PART NO	CONNECTION (Size and Type)	FLOW CAPACITY IN TONS REFRIGERANT (For kW, Multiply Tons by 3.5)														
		R-410A					R-502					R-404A/507				
		Evaporator Temperature (°F)														
		40	20	0	-20	-40	40	20	0	-20	-40	40	20	0	-20	-40
		Pressure Drop (PSI)														
P503-8133FSFD	3/8 SAE	1	0.5	0.3	0.1	0.1	1.3	0.7	0.4	0.2	0.1	1.3	0.7	0.4	0.2	0.1
P503-8133SSFD	3/8 ODF	1.5	0.9	0.5	0.3	0.1	2	1.1	0.7	0.4	0.2	1.9	1.1	0.7	0.4	0.2
P503-8134SSFD	1/2 ODF	2.4	1.6	1.1	0.7	0.4	3.1	1.9	1.3	0.8	0.4	3	1.9	1.3	0.8	0.4
P503-8135FSFD	5/8 SAE	2.5	1.6	1.1	0.7	0.4	3.3	2	1.4	0.9	0.5	3.2	2	1.4	0.9	0.5
P503-8135SSFD	5/8 ODF	3.3	2.2	1.5	0.9	0.5	4.3	2.7	1.8	1.1	0.6	4.2	2.7	1.8	1.1	0.6
P503-8136SSFD	3/8 ODF	4.4	2.9	1.9	1.2	0.7	5.8	3.5	2.3	1.4	0.7	5.6	3.5	2.3	1.4	0.7
P503-8137SSFD	7/8 ODF	4.9	3.2	2	1.3	0.7	6.5	3.9	2.6	1.4	0.8	6.3	3.9	2.6	1.5	0.8
P503-8277SSFD	7/8 ODF	5.1	3.3	2.2	1.3	0.7	6.7	4.1	2.7	1.5	0.8	6.5	4.1	2.7	1.6	0.8
P503-8279SSFD	1-1/8 ODF	5.8	3.7	2.4	1.4	0.7	7.7	4.6	3	1.6	0.8	7.5	4.6	3	1.7	0.9
P503-85411SSFD	1-3/8 ODF	5	3.2	2	1.2	0.7	6.6	3.9	2.5	1.4	0.7	6.4	3.9	2.5	1.5	0.7
P503-85413SSFD	1-5/8 ODF	5.1	3.2	2.2	1.3	0.7	6.7	4	2.6	1.5	0.8	6.5	4	2.6	1.6	0.8

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