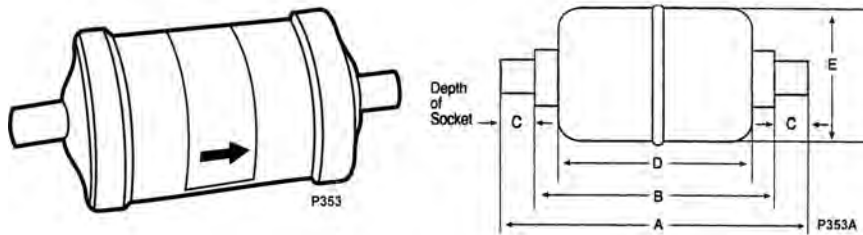


TOTALINE® LIQUID LINE FILTER-DRIERS P502-8 SERIES

PHYSICAL DATA



FEATURES

- Compacted bead filter drier, with a Fine 20 Micron outlet pad for maximum filtration
- Universal Replacement CFC, HCFC, HFC refrigerants
- Filtration first for more effective use of surface area of desiccant
- Solid copper fittings for easy installation
- Desiccant blend - 75% molecular sieve and 25% activated alumina
- High moisture and acid capacity

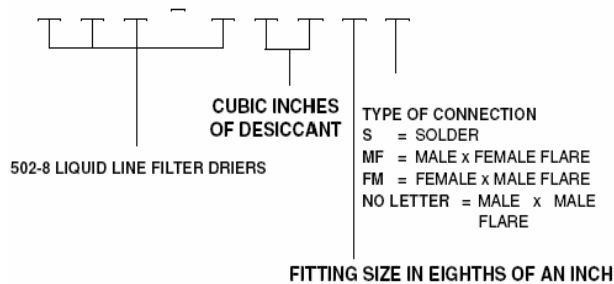
SPECIFICATIONS:

Filtration: 20 microns

Maximum working pressure: Sizes 03-75 680 psig



PART NUMBER SIGNIFICANCE



TOTALINE LIQUID LINE FILTER-DRIER PHYSICAL DATA

RCD PART NO	DIMENSIONS					RCD PART NO	DIMENSIONS				
	A	B	C	D	E		A	B	C	D	E
P502-8032	4-3/8	—	—	2-9/16	1-5/8	P502-8165	7-1/2	—	—	4-3/4	2-5/8
P502-8032FM						P502-8165S	6-9/16	5-5/16	5/8		
P502-8032MF						P502-8167S	7-1/2	5-5/8	3/4		
P502-8032S	3-7/8	3-1/8	3/8			P502-8303	9-5/8	—	—		
P502-8033S	4-1/16	3-3/16	7/16	3	2-5/8	P502-8303S	9	8-1/8	7/16	7-1/2	3-1/16
P502-8052	4-13/14	—	—			P502-8304	9-7/8	—	—		
P502-8052S	4-7/16	3-11/16	3/8			P502-8304S	9-1/8	8-1/8	1/2		
P502-8053	5-1/8	—	—			P502-8305	10-5/16	—	—		
P502-8053S	4-1/2	3-5/8	7/16			P502-8305S	9-5/16	8-1/16	5/8		
P502-8053MF	4-1/2	3-5/8	7/16			P502-8306S	9-11/16	8-7/16	5/8		
P502-8082	5-5/8	—	—			P502-8307S	9-7/8	8-3/8	3/4		
P502-8082S	5-1/4	4-1/2	3/8			P502-8309S	10-1/4	8-7/16	15/16		
P502-8083	5-15/16	—	—			P502-8413	9-3/4	—	—		
P502-8083S	5-15/16	4-7/16	7/16			P502-8414	10	—	—		
P502-8084	6-3/16	—	—			P502-8414S	9-1/4	8-1/4	1/2		
P502-8084S	5-3/8	4-3/8	1/2			P502-8415	10-7/16	—	—		
P502-8162	6-9/16	—	—	P502-8415S	9-7/16	8-3/16	5/8				
P502-8162S	6-3/16	5-7/16	3/8	P502-8417S	10	8-1/2	3/4				
P502-8163	6-7/8	—	—	P502-8419S	10-5/16	8-1/2	3/4				
P502-8163S	6-1/4	5-7/16	7/16	P502-8757S	15-7/16	13-15/16	3/4				
P502-8164	7-1/16	—	—	P502-8759S	15-3/4	13-7/8	15/16				
P502-8164S	6-5/16	5-3/16	1/2					13-1/16	7-1/2		

TOTALINE® LIQUID LINE FILTER-DRIERS P502-8 SERIES PHYSICAL DATA

Compressors, Chillers, Condensers
Motors
Electrical
Heating Components
Indoor Air Quality
Thermostats
Oils & Chemicals
Accessories, Supplies & Commodities
Tools & Instruments
Refrigeration

RCD. PART NO.	CONNECTION SIZE & TYPE	FLOW CAPACITY* (Tons) @ 1 PSI ΔP				WATER CAPACITY† (Drops of Water)**							
						Refrigerant				Liquid Line Temperature (F)			
		R-134a	R-22/	R-404A/ R507	R-410A	R-134a		R-22		R-404A/R507		R-410A	
						75	125	75	125	75	125	75	125
P502-8032	1/4 SAE	2.0	2.2	1.4	2.2	40	37	40	33	38	37	21	19
P502-8032FM	1/4 Fem/In SAE	2.0	2.2	1.4	2.1								
P502-032MF	1/4 Male/In SAE	2.0	2.2	1.4	2.1								
P502-8032S	1/4 ODF	2.7	2.9	2.0	2.9	116	106	114	97	109	106	64	58
P502-8033S	3/8 ODF	3.0	3.3	2.2	3.3								
P502-8052	1/4 SAE	2.1	2.3	1.5	2.3								
P502-8052S	1/4 ODF	3.3	3.6	2.4	3.6								
P502-8053	3/8 SAE	3.5	3.8	2.5	3.8								
P502-8053S	3/8 ODF	4.4	4.8	3.2	4.9								
P502-8053MF	3/8 SAE	3.5	3.8	2.5	3.8	237	218	235	200	224	217	159	118
P502-8082	1/4 SAE	2.3	2.5	1.7	2.5								
P502-8082S	1/4 ODF	3.1	3.4	2.3	3.4								
P502-8083	3/8 ODF	4.0	4.3	2.9	4.3								
P502-8083S	3/8 ODF	4.5	4.9	3.3	4.9								
P502-8084	1/2 SAE	6.7	7.3	4.9	7.3								
P502-8084S	1/2 ODF	7.1	7.7	5.2	7.7	371	341	368	313	350	340	206	186
P502-8162	1/4 SAE	2.3	2.5	1.6	2.5								
P502-8162S	1/4 ODF	3.1	3.4	2.3	3.0								
P502-8163	3/8 SAE	3.9	4.2	2.9	4.2								
P502-8163S	3/8 ODF	4.4	4.8	3.2	4.8								
P502-8164	1/2 SAE	7.2	7.8	5.2	7.8								
P502-8164S	1/2 ODF	8.5	9.2	6.2	9.2	664	611	657	561	627	608	515	355
P502-8165	5/8 SAE	9.7	10.5	7.0	10.5								
P502-8165S	5/8 ODF	10.1	10.9	7.3	10.9								
P502-8167S	7/8 ODF	15.5	16.8	11.2	16.8								
P502-8303	3/8 SAE	4.3	4.7	3.1	4.7								
P502-8303S	3/8 ODF	6.3	6.8	4.5	6.8								
P502-8304	1/2 SAE	8.1	8.8	5.9	8.8	938	854	919	785	876	850	715	465
P502-8304S	1/2 ODF	10.0	10.8	7.2	10.8								
P502-8305	5/8 SAE	10.6	11.5	7.7	11.5								
P502-8305S	5/8 ODF	12.5	13.5	9.0	13.5								
P502-8306S	3/4 ODF	14.8	16.0	10.7	16.0								
P502-8307S	7/8 ODF	16.8	18.2	12.2	18.2								
P502-8309S	1-1/8 ODF	19.6	21.2	14.2	21.2	2159	2019	2159	1880	2019	2019	1460	1111
P502-8413	3/8 SAE	4.3	4.7	3.1	4.7								
P502-8414	1/2 SAE	10.4	11.3	7.5	11.3								
P502-8414S	1/2 ODF	10.8	11.7	7.8	11.7								
P502-8415	5/8 SAE	12.0	13.0	8.7	13.0								
P502-8415S	5/8 ODF	17.0	18.4	12.3	18.4								
P502-8417S	7/8 ODF	20.3	22.0	14.7	22.0								
P502-8419S	1-1/8 ODF	27.7	30.0	20.1	30.3								
P502-8757S	7/8 ODF	22.2	24.1	16.1	24.1								
P502-8759S	1-1/8 ODF	32.7	35.4	23.7	35.4								

*All ratings in accordance with ARI Standard 710-86. 86° F Liquid Refrigerant Temperature, 5° F Saturated Vapor Temperature, 3.1 lbs/min/ton for R-134a, 2.9 lbs/min/ton for R-22, 4.0 lbs/min/ton for R-404A/R0507.

†Water Capacities are based on: Equilibrium Point Dryness of 50 Parts Per Million for R-134a,

Equilibrium Point Dryness of 60 Parts Per Million for R-22,

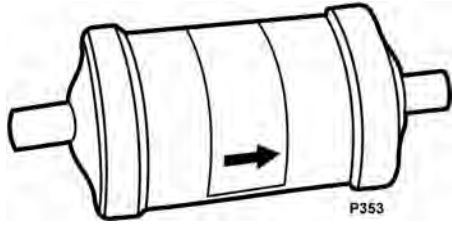
Equilibrium Point Dryness of 50 Parts Per Million for R-404A/R-507.

**20 drops of water = 1 gram = 1cc.

TOTALINE® LIQUID LINE FILTER DRIERS

UNIT SIZE	LIQUID REFRIGERANT CAPACITY BY WEIGHT-OUNCES							
	R-134a		R-22		R-404A/R-507		R-410A	
	LIQUID TEMPERATURE		LIQUID TEMPERATURE		LIQUID TEMPERATURE		LIQUID TEMPERATURE	
	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F
3	2.6	3	2.6	2.3	2.3	1.9	2.3	1.9
5	6.0	5.4	5.9	5.3	5.2	4	5.3	4.4
8	7.6	6.9	7.5	6.8	6.6	6	6.7	5.7
16	9.4	8.5	9.3	8.4	8.2	6.9	8.3	7.0
30	26.4	23.9	26.1	23.5	22.9	4	23.3	19.6
41	36.8	33.2	36.4	32.5	31.9	26.8	32.5	27.2
75	66.5	60.3	65.8	59.2	57.7	48.9	58.7	49.5

TOTALINE® LIQUID LINE FILTER DRIERS P502-C SERIES



NOMENCLATURE - Example: P502-C Liquid Line Filter Driers

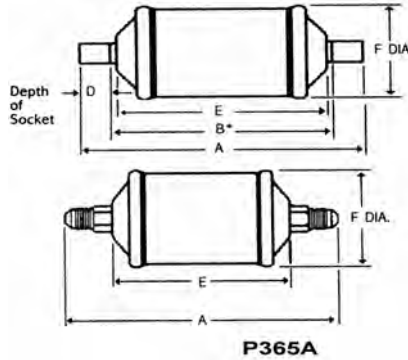
P502-C	08	3	S
Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S= ODF Connections (omit for SAE)

FEATURES

- Economy solid core liquid line filter drier ideal for use w/CFC & HCFC refrigerants
- Solid copper fittings
- High moisture and acid removal
- Corrosion resistant paint
- Shock resistant steel shell construction

SPECIFICATIONS:

Desiccant Blend: Activated Alumina with molecular sieve
 Max. working press: Sizes 03-75, 680 psig
 UL/CUL file number: SA3124
 Filtration: 40 microns

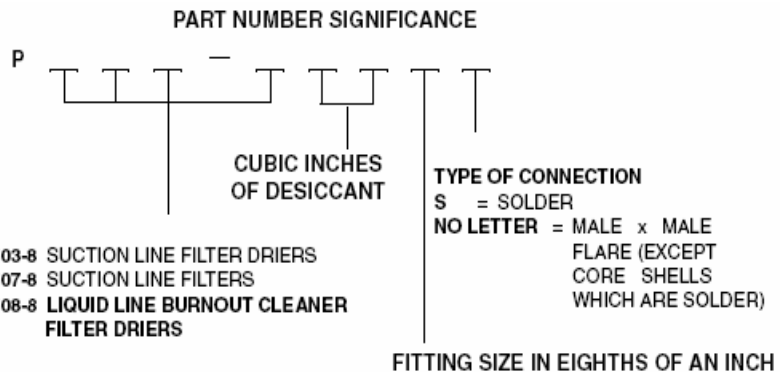
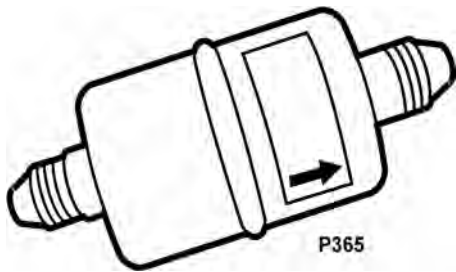


CARRIER PART NO	CONNECTION SIZE & TYPE	DIMENSIONS					SHIP WT. (lbs)
		A	B	D	E	F (1) note	
P502-C032	1/4 SAE	4-3/8	—	—	2-9/16	1-5/8	1/2
P502-C032S	1/4 ODF	3-7/8	3-1/8	3/8			
P502-C033	3/8 SAE	4-11/16	—	—			
P502-C033S	3/8 ODF	4-1/16	3-3/16	7/16	3	2-5/8	3/4
P502-C052	1/4 SAE	4-13/16	—	—			
P502-C052S	1/4 ODF	4-7/16	3-11/16	3/8			
P502-C053	3/8 SAE	5-1/8	—	—	3-13/16	2-5/8	1-1/4
P502-C053S	3/8 ODF	4-1/2	3-5/8	7/16			
P502-C082	1/4 SAE	5-5/8	—	—			
P502-C082S	1/4 ODF	5-1/4	4-1/2	3/8	4-5/8	2-5/8	2
P502-C083	3/8 SAE	5-15/16	—	—			
P502-C083S	3/8 ODF	5-5/16	4-7/16	7/16			
P502-C084	1/2 SAE	6-3/16	—	—	7-1/2	3-1/16	3-3/4
P502-C084S	1/2 ODF	5-3/8	4-3/8	1/2			
P502-C162	1/4 SAE	6-7/16	—	—			
P502-C162S	1/4 ODF	6-7/16	5-1/4	7/16	7-5/8	3-11/16	4-3/4
P502-C163	3/8 SAE	6-3/4	—	—			
P502-C163S	3/8 ODF	6-1/8	5-1/4	7/16			
P502-C164	1/2 SAE	6-15/16	—	—	13-1/16	3-11/16	7-1/2
P502-C164S	1/2 ODF	6-3/16	5-3/16	1/2			
P502-C165	5/8 SAE	7-7/16	—	—			
P502-C165S	5/8 ODF	6-3/8	5-1/8	5/8	7-5/8	3-11/16	4-3/4
P502-C167S	7/8 ODF	6-15/16	5-7/16	3/4			
P502-C303	3/8 SAE	9-5/8	—	—			
P502-C303S	3/8 ODF	9	8-1/8	7/16	7-5/8	3-11/16	4-3/4
P502-C304	1/2 SAE	9-7/8	—	—			
P502-C304S	1/2 ODF	9-1/8	8-1/8	1/2			
P502-C305	5/8 SAE	10-5/16	—	—	13-1/16	3-11/16	7-1/2
P502-C305S	5/8 ODF	9-5/16	8-1/16	5/8			
P502-C306S	3/4 ODF	9-5/16	8-1/16	5/8			
P502-C307S	7/8 ODF	9-7/8	8-3/8	3/4	13-1/16	3-11/16	7-1/2
P502-C309S	1-1/8 ODF	10-3/16	8-3/8	15/16			
P502-C413	3/8 SAE	9-3/4	—	—			
P502-C414	1/2 SAE	10	—	—	7-5/8	3-11/16	4-3/4
P502-C414S	1/2 ODF	9-1/4	8-1/4	1/2			
P502-C415	5/8 SAE	10-7/16	—	—			
P502-C415S	5/8 ODF	9-7/16	8-3/16	5/8	13-1/16	3-11/16	7-1/2
P502-C417S	7/8 ODF	10	8-1/2	3/4			
P502-C419S	1-1/8 ODF	10-5/16	8-1/2	15/16			
P502-C757S	7/8 ODF	15-7/16	13-15/16	3/4	13-1/16	3-11/16	7-1/2
P502-C759S	1-1/8 ODF	15-3/4	13-7/8	15/16			

NOTE: Does not include weld bead.

TOTALINE® LIQUID LINE BURNOUT FILTER DRIERS — P508 SERIES

PHYSICAL DATA



APPLICATION

The P508 series liquid line filter drier was designed for maximum effectiveness in the cleanup of systems following a severe burnout where a maximum capacity for water and acids is essential. This series utilizes a molded block of activated alumina, molecular sieve, and activated carbon. This blend of activated alumina and activated carbon will remove the acids and products of a compressor burnout.

FEATURES

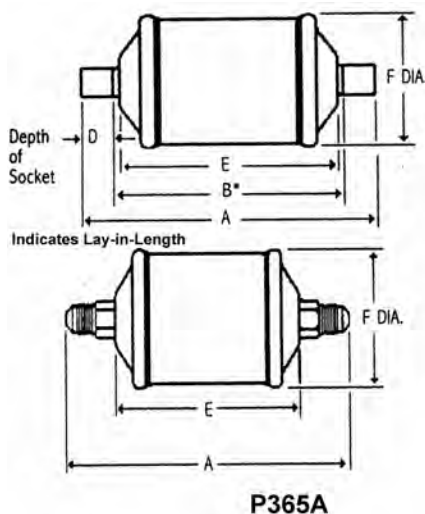
- Solid Copper Fittings
- Corrosion Resistant Epoxy Powder Paint Finish
- Rugged Steel Shell (Shock Resistant)
- Wax Control for Low Temperature Applications
- Extra Moisture and Acid Removal Capacity

SPECIFICATIONS

- Filtration: 40 microns
- Maximum Working Pressure: 680 psig
- UL/CUL File# SA3124



DIMENSIONAL DATA



TOTALINE LIQUID LINE BURNOUT FILTER DRIER PHYSICAL DATA

PART NO	DIMENSIONS						Ship Wt (Lbs)
	Connection Size	A	B	D	E	F*	
P508-8082	1/4 SAE	5-5/8	—	—	3-15/16	2-15/16	1
P508-8083	3/8 SAE	5-15/16	—	—	3-15/16	2-15/16	
P508-8162	1/4 SAE	6-7/16	—	—	3-15/16	2-15/16	
P508-8163	3/8 SAE	6-3/4	—	—	3-15/16	2-15/16	2
P508-8163S	3/8 ODF	6-1/8	5-1/4	7/16	4-5/8	2-7/8	
P508-8164	1/2 SAE	6-15/16	—	—	4-5/8	2-7/8	
P508-8164S	1/2 ODF	6-3/16	5-3/16	1/2	4-5/8	2-7/8	3-3/4
P508-8165	5/8 SAE	7-7/16	—	—	4-5/8	2-7/8	
P508-8165S	5/8 ODF	6-3/8	5-1/8	5/8	7-1/2	3-1/16	
P508-8303	3/8 SAE	9-5/8	—	—	7-1/2	3-1/16	4-3/4
P508-8304	1/2 SAE	9-7/8	—	—	7-1/2	3-1/16	
P508-8304S	1/2 ODF	9-1/8	8-1/8	1/2	7-1/2	3-1/16	
P508-8305	5/8 SAE	10-5/16	—	—	7-1/2	3-1/16	4-3/4
P508-8305S	5/8 ODF	9-5/16	8-1/16	5/8	7-1/2	3-1/16	
P508-8415	5/8 SAE	9-1/4	8-1/4	1/2	7-5/8	3-11/16	
P508-8417S	7/8 ODF	10-7/16	—	—	7-5/8	3-11/16	

*Does not include weld bead.

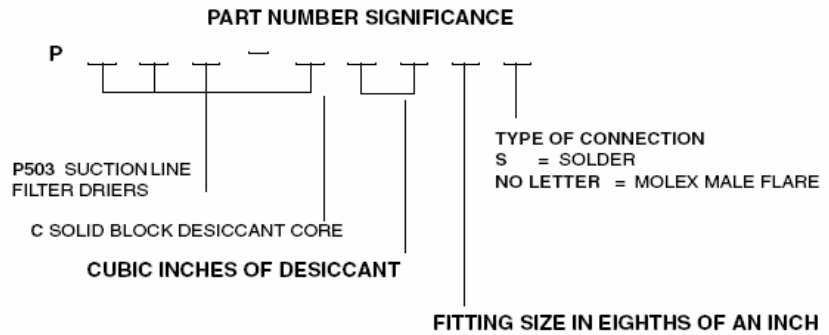
TOTALINE® LIQUID LINE BURNOUT FILTER DRIERS — P508 SERIES CAPACITY TABLE

PART NO	CONNECTION SIZE & TYPE	FLOW CAPACITY TONS @ 1 psi ΔP (For kW, multiply tons by 3.5)								WATER CAPACITY DROPS OF WATER												
		R-12		R-134a		R-22		R-410A		R-407C		R-404A/507		R-502								
		75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F							
P508-8082	1/4 SAE	1.2	1.5	1.6	1.6	1.6	1.1	1.0	180	118	88	71	78	59	74	45	66	38	93	71	109	79
P508-8083	3/8 SAE	3.2	3.9	4.2	4.2	4.1	2.8	2.7														
P508-8162	1/4 SAE	1.2	1.5	1.6	1.6	1.6	1.1	1.0	209	143	171	141	153	117	91	56	77	41	182	141	135	100
P508-8163	3/8 SAE	3.6	4.3	4.7	4.7	4.6	3.1	3.1														
P508-8163S	3/8 ODF	4.8	5.8	6.3	6.3	6.2	4.2	4.1														
P508-8164	1/2 SAE	7.0	8.6	9.3	9.3	9.1	6.2	6.0														
P508-8164S	1/2 ODF	8.4	10.2	11.1	11.1	10.9	7.4	7.2														
P508-8165	5/8 SAE	10.5	12.8	13.9	13.9	13.6	9.3	9.0														
P508-8165S	5/8 ODF	10.5	12.8	13.9	13.9	13.6	9.3	9.0														
P508-8303	3/8 SAE	3.6	4.3	4.7	4.7	4.6	3.1	3.1														
P508-8304	1/2 SAE	8.1	9.9	10.7	11.7	10.5	7.2	7.0	552	367	300	245	267	204	234	146	160	94	318	247	342	249
P508-8304S	1/2 ODF	8.9	10.8	11.7	14.6	11.5	7.8	7.6														
P508-8305	5/8 SAE	11.1	13.5	14.6	15.8	14.3	9.8	9.5	623	410	427	344	379	282	256	155	220	125	454	342	380	274
P508-8305S	5/8 ODF	12.0	14.6	15.8	11.1	15.5	10.6	10.3														
P508-8415	5/8 SAE	13.4	16.3	17.7	21.5	17.4	11.8	11.5	623	410	427	344	379	282	256	155	220	125	454	342	380	274
P508-8417S	7/8 ODF	16.3	19.8	21.5	21.5	21.1	14.4	14.0														

LIQUID REFRIGERANT HOLDING CAPACITY - OUNCES

Unit Size	R-12		R-134a		R-22		R-407C		R-410A		R-404A/507		R-502	
	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F
0 8	7.3	6.6	6.7	6.0	6.6	5.9	6.3	5.5	5.9	4.9	5.8	4.9	6.7	5.9
1 6	13.9	12.7	12.8	11.5	12.6	11.3	12.0	10.5	11.2	9.4	11.1	9.3	12.9	11.3
3 0	21.8	19.9	20.1	18.1	19.8	17.8	18.9	16.6	17.7	14.9	17.4	14.7	20.2	17.7
4 1	29.3	26.8	26.9	24.4	26.6	23.9	25.4	22.3	23.7	20.0	23.3	19.7	27.2	23.8

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



FEATURES

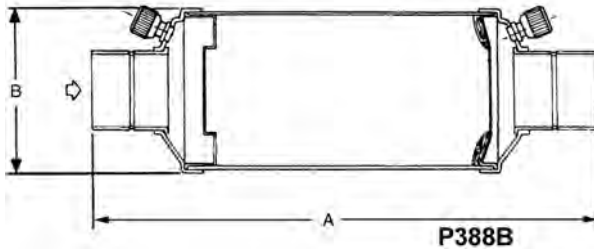
- Dual Access Valve on each end for accurate pressure drop reading
- For Use with HCFCs, & CFCs
- High Organic and Inorganic Acid Removal
- Corrosion Resistant Paint
- Unique Molded Desiccant Block

SPECIFICATIONS

- Max Working Pressure = 500 psig

APPLICATION

Removes solid contaminants and harmful acids that are created during motor burnout. The suction line filter drier should be installed in remote systems with long refrigerant lines to remove contaminants.



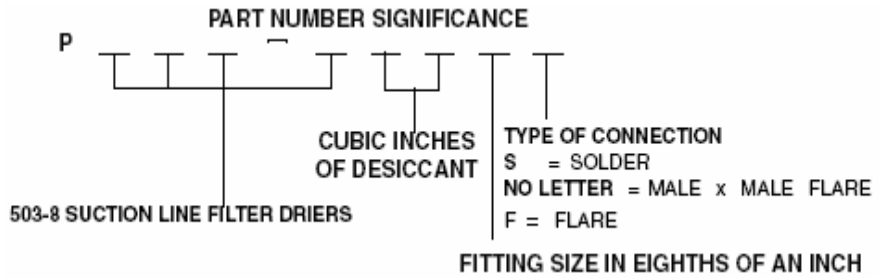
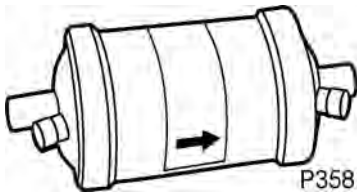
CONNECTIONS, DIMENSIONS, FLOW CAPACITIES* IN REFRIGERANT TONS AT SELECTED EVAPORATOR TEMPERATURES

PART NO	CONNECTIONS (Size and Type)	DIMENSIONS		Pressure Drop in PSI													
				R-134a				R-22				R-502					
		A	B	Pressure Drop in PSI													
				2	1.5	1	0.5	3	2	1.5	1	0.5	3	2	1.5	1	0.5
P503-C083	3/8 SAE	6.10	2.5	0.6	0.4	0.2	0.1	0.9	0.6	0.4	0.3	0.1	0.7	0.5	0.3	0.2	0.1
P503-C083S	3/8 ODF	5.43	2.5	0.8	0.5	0.3	0.2	1.3	0.8	0.6	0.4	0.2	1.0	0.7	0.5	0.3	0.1
P503-C084	1/2 SAE	6.34	2.5	1.4	0.9	0.6	0.3	2.2	1.4	1.0	0.6	0.3	1.8	1.1	0.8	0.5	0.3
P503-C084S	1/2 ODF	5.48	2.5	1.7	1.2	0.7	0.4	2.7	1.8	1.2	0.8	0.4	2.2	1.4	1.0	0.6	0.3
P503-C085	5/8 SAE	6.17	2.5	2.2	1.5	0.9	0.5	3.4	2.2	1.5	1.0	0.5	2.8	1.8	1.2	0.8	0.4
P503-C085S	5/8 ODF	5.74	2.5	2.4	1.6	1.0	0.5	3.8	2.5	1.7	1.1	0.6	3.1	2.0	1.3	0.8	0.4
P503-C164	1/2 SAE	7.13	2.5	1.5	1.0	0.6	0.3	2.3	1.5	1.0	0.7	0.4	1.9	1.2	0.8	0.5	0.3
P503-C164S	1/2 ODF	6.27	2.5	1.7	1.2	0.7	0.4	2.7	1.8	1.2	0.8	0.4	2.2	1.4	1.0	0.6	0.3
P503-C165	5/8 SAE	7.50	2.5	2.1	1.4	0.9	0.4	3.2	2.1	1.4	0.9	0.5	2.7	1.7	1.2	0.7	0.4
P503-C165S	5/8 ODF	6.54	2.5	2.2	1.5	0.9	0.5	3.4	2.2	1.5	1.0	0.5	2.8	1.8	1.2	0.8	0.4
P503-C166S	3/4 ODF	6.95	2.5	2.6	1.8	1.1	0.6	4.1	2.7	1.8	1.2	0.6	3.4	2.2	1.5	0.9	0.5
P503-C167S	7/8 ODF	7.13	2.5	2.7	1.8	1.1	0.6	4.6	2.8	1.9	1.1	0.6	4.3	2.6	1.7	1.0	0.6
P503-C305	5/8 SAE	10.18	3.0	3.0	2.0	1.2	0.6	4.7	3.1	2.1	1.3	0.7	3.8	2.5	1.7	1.0	0.5
P503-C305S	5/8 ODF	9.21	3.0	2.8	1.8	1.1	0.6	4.3	2.8	1.9	1.2	0.6	3.6	2.3	1.5	1.0	0.5
P503-C306S	3/4 ODF	9.63	3.0	3.4	2.3	1.4	0.7	5.4	3.5	2.4	1.5	0.8	4.4	2.8	1.9	1.2	0.6
P503-C307S	7/8 ODF	9.80	3.0	3.8	2.5	1.6	0.8	5.9	3.9	2.6	1.7	0.9	4.9	3.1	2.1	1.3	0.7
P503-C309S	1-1/8 ODF	9.80	3.0	3.9	2.6	1.6	0.8	6.1	4.0	2.7	1.7	0.9	5.0	3.2	2.2	1.3	0.7
P503-C417S	7/8 ODF	9.92	3.5	4.8	3.2	2.0	1.0	7.6	4.9	3.4	2.1	1.1	6.2	4.0	2.7	1.7	0.9
P503-C419S	1-1/8 ODF	9.92	3.5	5.4	3.6	2.2	1.2	8.5	5.5	3.8	2.4	1.3	6.9	4.5	3.0	1.9	1.0

* All ratings in accordance with ARI Standard 710-86.

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

TOTALINE SUCTION LINE FILTER DRIER PHYSICAL DATA



APPLICATION

- Premium suction line filter drier for moisture, acid & contaminant removal.
- For use with CFC, HCFC, and HFC refrigerants.
- Totaline's P503-8 Series is a high capacity suction line filter drier that incorporates beaded desiccant plus a filter.

FEATURES

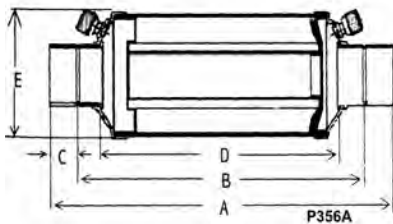
- Solid copper fittings
- Dual Access Valves
- Corrosion Resistant Paint Finish
- High Filtration Capacity

SPECIFICATIONS

- Filtration: 40 microns
- Maximum Working Pressure: 500 PSIG
- UL/CUL File Number: SA3124



DIMENSIONAL DATA



TOTALINE SUCTION LINE FILTER DRIER PHYSICAL DATA

PART NO	CONNECTION SIZE	DIMENSIONS					SHIP WT (lbs)		
		A	B	C	D	E			
P503-8283	3/8 SAE	5-19/32	—	7/16	4-1/8	3-11/16	2		
P503-8283S	3/8 ODF	5-19/32	4-23/32	7/16					
P503-8284S	1/2 ODF	5-11/16	4-11/16	1/2					
P503-8355	5/8 SAE	7-9/16	—	—	4-3/4	3-11/16	2-1/2		
P503-8355S	5/8 ODF	6-17/32	5-9/32	5/8					
P503-8456S	3/4 ODF	7-3/4	6-1/2	5/8	5-9/16	3-11/16	3		
P503-8457S	7/8 ODF	7-15/16	6-7/16	3/4					
P503-8509S	1-1/8 ODF	8-27/32	7-1/32	29/32				6-1/8	3-1/2
P503-87511S	1-3/8 ODF	12-1/4	10-5/16	31/32				8-1/4	5
P503-87513S	1-5/8 ODF	12-5/32	9-29/32	1-1/8					

Refrigeration

TOTALINE® HIGH 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	40	20	0	-20	-40
		Pressure Drop (PSI)																	
2	1.5	1	0.5	2	1.5	1	0.5	3	2	1.5	1	0.5	3	2	1.5	1	0.5		
P503-8283	3/8 SAE	1.1	0.4	0.5	0.5	1.1	0.5	1	0.4	2.3	1.3	0.9	0.4	0.5	2.4	1.5	1.1	1	0.5
P503-8283S	3/8 ODF	1.1	0.6	0.5	0.5	1.1	0.6	0.5	0.4	2.3	1.3	0.9	0.6	0.5	2.6	1.5	1.1	0.7	0.7
P503-8284S	1/2 ODF	1.8	1.2	0.8	0.7	1.9	1.2	0.8	0.6	3.8	2.1	1.4	1	0.8	4.2	2.4	1.7	1.2	1.1
P503-8355	5/8 SAE	2.1	1.4	1.1	0.9	2.2	1.4	1	0.8	4.4	2.5	1.7	1.2	0.9	4.9	2.9	2.1	1.5	1.2
P503-8355S	5/8 ODF	2.8	1.9	1.4	1.1	2.9	1.9	1.3	1	5.8	3.2	2.2	1.6	1	6.5	3.7	2.7	2.0	1.3
P503-8456S	3/4 ODF	3.8	2.5	1.8	1.2	3.9	2.5	1.7	1.1	7	4.6	3.2	2	1.1	7.8	5.3	3.9	2.5	1.5
P503-8457S	7/8 ODF	5.0	3.6	2.3	1.5	5.1	3.5	2.2	1.3	9.2	6	4.1	2.6	1.4	10	6.9	4.9	3.2	1.9
P503-8509S	1-1/8 ODF	7.1	5.0	3.2	1.8	7.3	4.9	3	1.6	13.2	8.5	5.7	3.5	1.8	15	9.7	6.9	4.3	2.4
P503-87511S	1-3/8 ODF	8.6	5.9	3.7	2.0	8.8	5.8	3.5	1.8	16.2	10.2	6.7	4	2	18	12	8.1	4.9	2.7
P503-87513S	1-5/8 ODF	9.0	6.2	3.9	2.1	9.3	6.1	3.7	1.9	17.3	10.7	7	4.2	2.1	19	12	8.4	5.2	2.8

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)														
3	2	1.5	1	0.5	3	2	1.5	1	0.5	3	2	1.5	1	0.5		
P503-8283	3/8 SAE	1.6	0.9	0.6	0.4	0.3	2.2	1.1	0.3	0.5	0.3	2.1	1.1	0.7	0.5	0.3
P503-8283S	3/8 ODF	1.6	0.9	0.6	0.4	0.3	2.2	1.1	0.7	0.5	0.3	2.1	1.1	0.7	0.5	0.3
P503-8284S	1/2 ODF	2.6	1.4	1.0	0.7	0.5	3.7	1.8	1.1	0.7	0.5	3.6	1.8	1.1	0.7	0.5
P503-8355	5/8 SAE	3.0	1.7	1.2	0.8	0.6	4.2	2.1	1.3	0.9	0.6	4.1	2.1	1.3	0.9	0.6
P503-8355S	5/8 ODF	4.0	2.2	1.5	1.1	0.7	5.6	2.8	1.7	1.1	0.8	5.4	2.8	1.7	1.1	0.8
P503-8456S	3/4 ODF	4.8	3.2	2.2	1.3	0.7	6.6	3.7	2.5	1.5	0.9	6.4	3.7	2.5	1.6	1
P503-8457S	7/8 ODF	6.3	4.1	2.8	1.7	0.9	7.7	4.8	3.3	1.9	1.0	7.5	4.8	3.3	2	1.1
P503-8509S	1-1/8 ODF	9.0	5.8	3.9	2.3	1.2	11	6.9	4.6	2.7	1.3	11	6.9	4.6	2.8	1.4
P503-87511S	1-3/8 ODF	11	7.0	4.6	2.7	1.3	14	8.4	5.4	3.1	1.5	14	8.4	5.4	3.2	1.6
P503-87513S	1-5/8 ODF	12	7.3	4.8	2.8	1.4	15	8.9	5.7	3.3	1.6	15	8.9	5.7	3.4	1.7

TOTALINE® SUCTION LINE FILTER DRIER WITH CHARCOAL — P503 SERIES

TOTALINE SUCTION LINE FILTER DRIER WITH CHARCOAL PHYSICAL DATA

APPLICATION

- Solid core with special blend to maximize acid, moisture, and wax removal.
- For use with CFC, HCFC and HFC refrigerants.

FEATURES

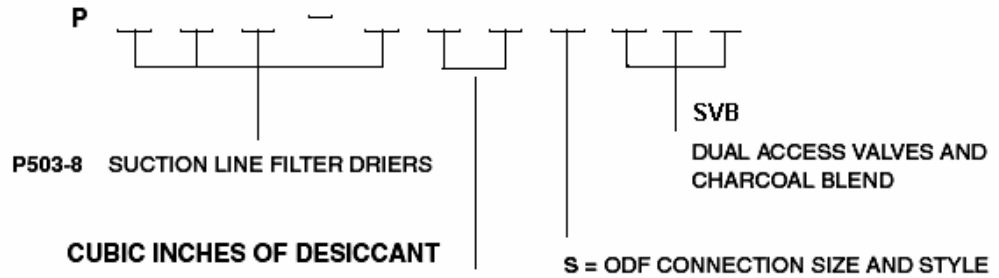
- Charcoal blend for soluble contaminant and wax removal.
- Dual access valves.
- Solid copper fittings.
- Corrosion resistant epoxy powder paint finish.

SPECIFICATION

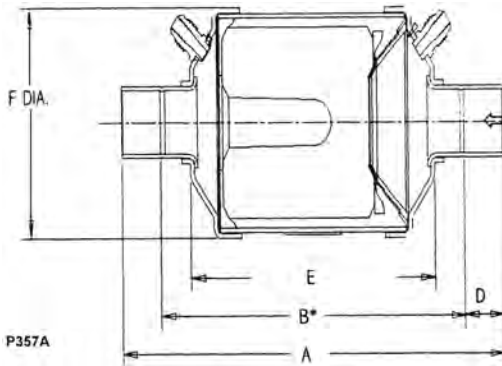
Maximum Working Pressure: 500 PSIG
 Filtration: 40 microns
 UL & CUL Approved: UL file number: SA3124.



PART NUMBER SIGNIFICANCE



DIMENSIONAL DATA



*B indicates lay-in length.

TOTALINE SUCTION LINE FILTER DRIER WITH CHARCOAL

PHYSICAL DATA

PART NO	CONNECTION SIZE	DIMENSIONS					SHIP WT (lbs)
		A	B	D	E	F*	
P503-8165SVB	5/8 ODF	6-3/8	5-1/8	5/8	4-5/8	3-9/64	2
P503-8166SVB	3/4 ODF	6-3/4	5-1/2	3/8			
P503-8167SVB	7/8 ODF	6-15/16	5-7/16	3/4	7-1/2	3-9/64	3-3/4
P503-8306SVB	3/4 ODF	9-11/16	8-9/16	5/8			
P503-8307SVB	7/8 ODF	9-7/8	8-3/8	3/4			
P503-8309SVB	1-1/8 ODF	10-3/16	8-3/8	15/16			

Refrigeration

TOTALINE® SUCTION LINE FILTER DRIER WITH CHARCOAL — P503 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)																	
		2	1.5	1	0.5	2	1.5	1	0.5	3	2	1.5	1	0.5	3	2	1.5	1	0.5
P503-8165SVB	5/8 ODF	1.9	1.4	0.8	0.6	2	1.4	0.8	0.5	3.4	2.1	1.4	0.9	0.4	3.8	2.4	1.7	1.1	0.5
P503-8166SVB	3/4 ODF	2.4	1.7	1.1	0.7	2.5	1.7	1	0.6	4.2	2.6	1.7	1	0.5	4.7	3	2.1	1.2	0.7
P503-8167SVB	7/8 ODF	2.6	1.8	1.2	0.7	2.7	1.8	1.1	0.6	4.6	2.8	1.9	1.1	0.6	5.1	3.2	2.3	1.4	0.8
P503-8306SVB	3/4 ODF	3.3	2.3	1.5	0.9	3.4	2.3	1.4	0.8	5.5	3.5	2.3	1.4	0.8	6.1	4	2.8	1.7	1.1
P503-8307SVB	7/8 ODF	3.5	2.5	1.6	0.9	3.6	2.5	1.5	0.8	6.1	3.8	2.5	1.5	0.8	6.8	4.4	3	1.9	1.1
P503-8309SVB	1-1/8 ODF	3.8	2.6	1.7	0.9	3.9	2.6	1.6	0.8	6.5	4	2.6	1.6	0.8	7.2	4.6	3.1	2	1.1

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)														
		3	2	1.5	1	0.5	3	2	1.5	1	0.5	3	2	1.5	1	0.5
P503-8165SVB	5/8 ODF	2.3	1.4	1	0.6	0.3	3.3	1.9	1.2	0.8	0.3	3.2	1.9	1.2	0.8	0.3
P503-8166SVB	3/4 ODF	2.9	1.8	1.2	0.7	0.3	4	2.4	1.6	0.9	0.5	3.9	2.4	1.6	0.9	0.5
P503-8167SVB	7/8 ODF	3.1	1.9	1.3	0.7	0.4	4.4	2.6	1.7	1	0.6	4.3	2.6	1.7	1	0.6
P503-8306SVB	3/4 ODF	3.8	2.4	1.6	0.9	0.5	5.2	3.2	2.2	1.2	0.7	5	3.2	2.2	1.2	0.7
P503-8307SVB	7/8 ODF	4.2	2.6	1.7	1	0.5	5.8	3.5	2.3	1.4	0.7	5.6	3.5	2.3	1.4	0.7
P503-8309SVB	1-1/8 ODF	4.4	2.7	1.8	1.1	0.5	6.2	3.7	2.4	1.4	0.7	6	3.7	2.4	1.5	0.7

Compressors,
Chillers, Condensers

Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

Oils &
Chemicals

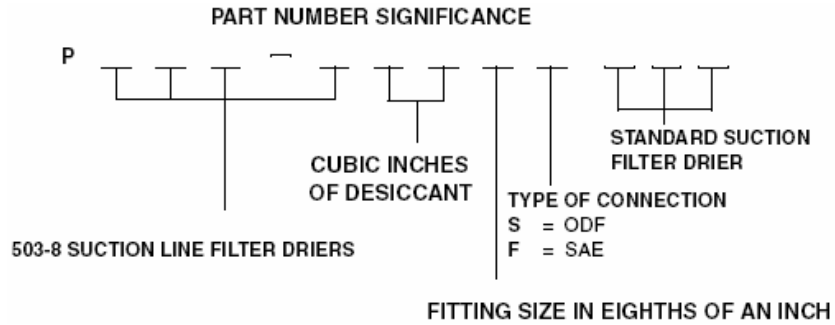
Accessories, Supplies
& Commodities

Tools &
Instruments

Refrigeration

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

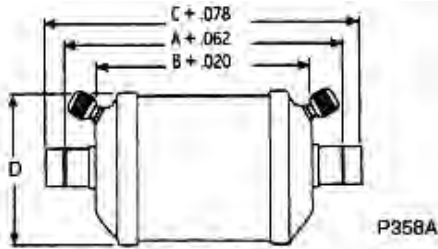
Filtration: 40 microns
 Max Working Pressure: 400 PSIG
 UL & CSA Approved: UL file number: SA3124,
 CSA file numbers: LR100624, LR32462

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

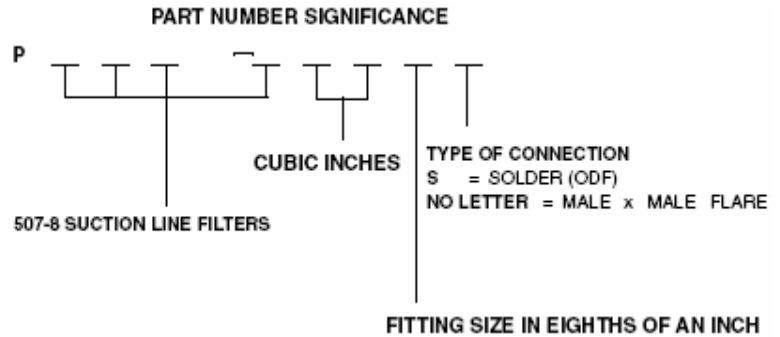
TOTALINE® STANDARD CAPACITY SUCTION LINE FILTER DRIERS— P503-8 SERIES CAPACITY TABLE

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	40	20	0	-20	-40
		Pressure Drop (PSI)																	
2	1.5	1	0.5	2	1.5	1	0.5	3	2	1.5	1	0.5	3	2	1.5	1	0.5		
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)														
3	2	1.5	1	0.5	3	2	1.5	1	0.5	3	2	1.5	1	0.5		
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

Compressors, Chillers, Condensers
 Motors
 Electrical
 Heating Components
 Indoor Air Quality
 Thermostats
 Oils & Chemicals
 Accessories, Supplies & Commodities
 Tools & Instruments
 Refrigeration

TOTALINE® SUCTION LINE FILTER — P507-8 SERIES (Premium Series)



APPLICATION

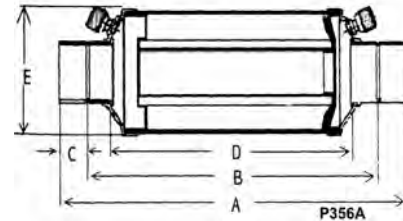
Totaline Suction Line Filters protect the compressor from harmful solid contaminants.

FEATURES

- Solid copper fittings
- Dual Access Valves
- Corrosion Resistant Epoxy Paint Finish

SPECIFICATIONS

- Maximum Working Pressure: 500 PSIG
- Filtration: 40 microns
- UL & CSA Approved: UL file number: SA3124,
CSA file numbers: LR100624, LR3262



PHYSICAL DATA

PART NO	CONNECTION SIZE & TYPE	UNIT SIZE (in cu in)	DIMENSIONS					SHIP WT (lbs)
			A	B	C	D	E	
P507-8284S	1/2 ODF	28	5-11/16	4-11/16	1/2	4-1/8	3-11/16	2
P507-8355	5/8 SAE	35	7-9/16	—	—	4-3/4	3-11/16	2-1/2
P507-8355S	5/8 ODF	35	6-17/32	5-9/32	5/8	4-3/4	3-11/16	2-1/2
P507-8456S	3/4 ODF	45	7-3/4	6-1/2	5/8	5-9/16	3-11/16	3
P507-8457S	7/8 ODF	45	7-15/16	6-7/16	3/4	5-9/16	3-11/16	3
P507-8509S	1-1/8 ODF	50	8-27/32	7-1/32	29/32	6-1/8	5	3-1/2
P507-87511S	1-3/8 ODF	75	12-1/4	10-5/16	31/32	8-1/4	5	5

Refrigeration

TOTALINE® SUCTION LINE FILTER — P507-8 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	40	20	0	-20	-40
		Pressure Drop (PSI)																	
1.1	0.6	0.5	0.5	1.1	0.6	0.5	0.4	2.3	1.3	0.9	0.6	0.5	2.6	1.5	1.1	0.7	0.7		
P507-8284S	1/2 ODF	1.9	1.3	0.9	0.8	2	1.3	0.9	0.7	4.1	2.3	1.6	1.2	0.9	4.6	2.6	1.9	1.5	1.2
P507-8355	5/8 SAE	2.2	1.5	1.1	0.9	2.3	1.5	1	0.8	4.7	2.6	1.8	1.3	1	5.2	3	2.2	1.6	1.3
P507-8355S	5/8 ODF	3.2	2.2	1.6	1.4	3.3	2.2	1.5	1.2	6.6	3.7	2.6	1.9	1.6	7.3	4.2	3.1	2.3	2.1
P507-8456S	3/4 ODF	4.7	3.2	2.3	1.8	4.8	3.1	2.2	1.6	9.8	5.5	3.7	2.7	2.2	11	6.3	4.5	3.3	3
P507-8457S	7/8 ODF	6.5	4.8	3.3	1.9	6.7	4.7	3.1	1.7	12	8	5.6	3.6	3	13	9.2	6.8	4.4	4
P507-8509S	1-1/8 ODF	9.2	6.8	4.5	2.6	9.5	6.7	4.3	2.3	19	12	8.2	4.9	2.6	21	14	9.9	6	3.5
P507-8711S	1-3/8 ODF	11.7	8.8	5.9	3.4	12	8.7	5.6	3	24	15	10	6.5	3.2	27	17	12	8	4.3

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)														
1.6	0.9	0.4	0.4	0.3	2.3	1.1	0.7	0.5	0.3	2.2	1.1	0.7	0.5	0.3		
P507-8284S	1/2 ODF	2.8	1.6	1.1	0.8	0.6	3.9	2	1.2	0.8	0.6	3.8	2	1.2	0.8	0.6
P507-8355	5/8 SAE	3.2	1.8	1.2	0.9	0.7	4.5	2.3	1.4	0.9	0.7	4.4	2.3	1.4	0.9	0.7
P507-8355S	5/8 ODF	4.5	2.5	1.8	1.3	1	6.3	3.2	2	1.4	0.9	6.1	3.2	2	1.4	1
P507-8456S	3/4 ODF	6.7	3.8	2.5	1.8	1.4	9.4	4.7	2.9	1.8	1.3	9.1	4.7	2.9	1.9	1.4
P507-8457S	7/8 ODF	8.2	5.5	3.8	2.4	2	10	6.3	4.5	2.7	1.4	9.8	6.3	4.5	2.8	1.5
P507-8509S	1-1/8 ODF	13	8.2	5.6	3.3	1.7	16	10	6.6	3.9	1.9	16	10	6.7	4	2
P507-8711S	1-3/8 ODF	16	10	6.8	4.3	2.1	21	13	8.2	4.9	2.4	20	13	8.3	5.1	2.6

Compressors,
Chillers, Condensers

Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

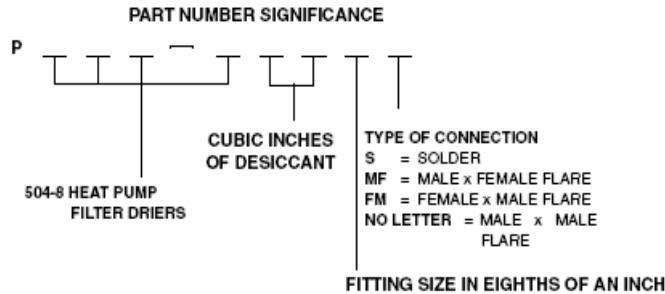
Oils &
Chemicals

Accessories, Supplies
& Commodities

Tools &
Instruments

Refrigeration

TOTALINE® HEAT PUMP FILTER DRIERS — P504 SERIES

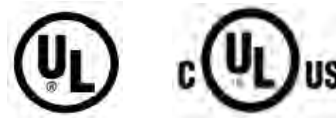


APPLICATION

Totaline New Bi-Directional Filter Drier provides heat pump system protection in heating and cooling cycles Summer & Winter ... with one compact unit. It reduces complex piping and the resulting costs.

FEATURES

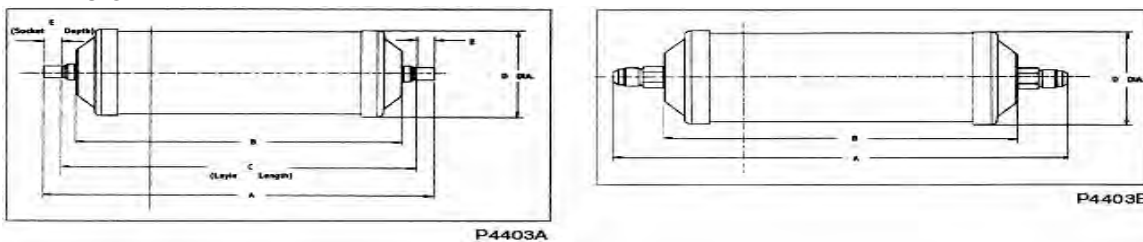
- For use with CFC & HCFC refrigerants.
- Removes moisture, acids and solids.
- Bi-Directional...Eliminates need for external check valves.
- Sealed type.
- Corrosion resistant epoxy powder paint finish.
- May be mounted in any position.
- Reduces compressor maintenance.
- Solid copper sweat connections.



SPECIFICATIONS

- Desiccant blend - 75% molecular sieve & 25% activated alumina.
- Filtration: 40 microns
- Maximum Working Pressure: 680 PSIG
- UL/CUL file number: SA3124

DIMENSIONAL DATA



PHYSICAL DATA

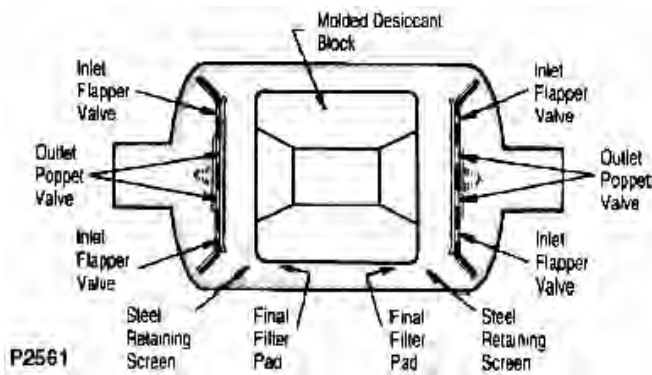
PART NO	CONNECTION SIZE & TYPE	DIMENSIONS (in)					SHIP WT (lbs)
P504-8083	3/8 SAE	5.94	3.82	—	2.62	—	1
P504-8083S	3/8 ODF	5.29	3.82	4.48	2.62	0.4	1
P504-8084	1/2 SAE	6.16	3.82	—	2.62	—	1
P504-8084S	1/2 ODF	5.38	3.82	4.38	2.62	0.50	1
P504-8085	5/8 SAE	6.62	3.82	—	2.62	—	1
P504-8085S	5/8 ODF	5.6	3.82	4.35	2.62	0.63	1
P504-8163	3/8 SAE	6.74	4.61	—	2-5/8	—	2
P504-8163S	3/8 ODF	6.08	4.61	5.28	2-5/8	0.4	2
P504-8164	1/2 SAE	6.96	4.61	—	2-5/8	—	2
P504-8164S	1/2 ODF	6.17	4.61	5.17	3.15	0.5	3.75
P504-8165	5/8 SAE	7.41	4.61	—	3.15	—	3.75
P504-8165S	5/8 ODF	6.39	4.61	5.14	3.15	0.63	3.75

Refrigeration

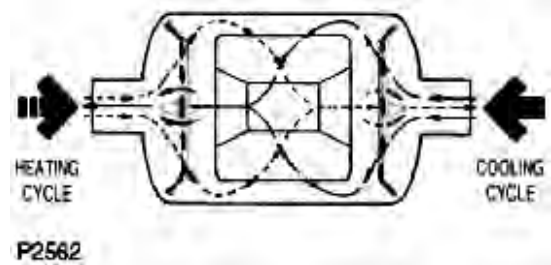
TOTALINE® HEAT PUMP FILTER DRIERS — P504 SERIES

TOTALINE HEAT PUMP FILTER DRIERS CAPACITY TABLE

INTERNAL CONSTRUCTION



BASIC FLOW PATTERNS



CAPACITY TABLE

PART NO	FLOW CAPACITY TONS @ 1 PSI			WATER CAPACITY					
				Drops of Water					
	R-22	R-410A	R-407C	R-22		R-407C		R-410A	
				75°F	125°F	75°F	125°F	75°F	125°F
P504-8083	4.5	4.4	4.5	159	144	106	79	85	75
P504-8083S	5.1	5	5.1	159	144	106	79	85	75
P504-8084	6.4	6.3	6.4	159	144	106	79	85	75
P504-8084S	6.7	6.6	6.7	159	144	106	79	85	75
P504-8085	7.8	7.7	7.8	159	144	106	79	85	75
P504-8085S	8.1	7.9	8.1	159	144	106	79	85	75
P504-8163	4.6	4.5	4.6	323	294	237	179	178	160
P504-8163S	5.2	5.1	5.2	323	294	237	179	178	160
P504-8164	7.7	7.6	7.7	323	294	237	179	178	160
P504-8164S	8.1	7.9	8.1	323	294	237	179	178	160
P504-8165	8.3	8.1	8.3	323	294	237	179	178	160
P504-8165S	8.7	8.5	8.7	323	294	237	179	178	160

Compressors,
Chillers, Condensers

Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

Oils &
Chemicals

Accessories, Supplies
& Commodities

Tools &
Instruments

Refrigeration

TOTALINE BI-DIRECTIONAL LIQUID LINE FILTER — P504-H SERIES

APPLICATION

Bi-Directional Liquid Line Filter Drier for heat pump applications.
 Use with CFC, HCFC, HFC refrigerants.

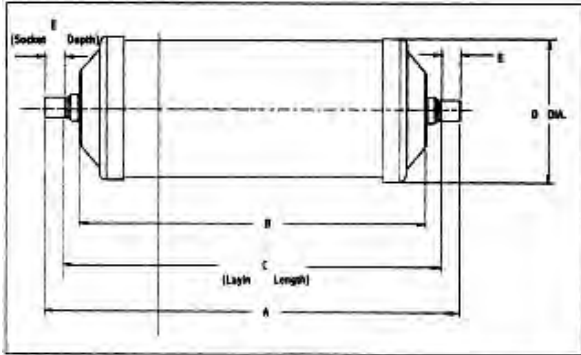
FEATURES

All driers have 75% molecular sieve and 25% activated alumina blocks.
 Internal check valves allow flow and filtration in either direction.

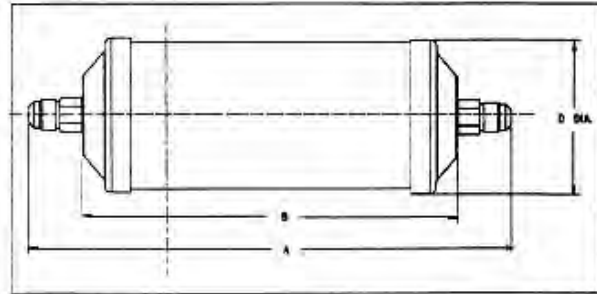
CAPACITY TABLE

PART NO	Connection Size & Type	FLOW CAPACITY		WATER CAPACITY DROPS OF CAPACITY					
		Tons R22/R410A @1 psi Drop	Tons R407C @1 Psig Drop	R22 @ 75°F	R22 @ 125°F	R407C @ 75°F	R407C @ 125°F	R410A @ 75°F	R410A @ 125°F
P504-H083	3/8 SAE	4.5	4.4	159	144	106	79	85	75
P504-H083S	3/8 ODF	5.1	5.0						
P504-H084	1/2 SAE	6.4	6.3						
P504-H085	5/8 SAE	7.8	7.7						
P504-H085S	5/8 ODF	8.1	7.9						
P504-H163	3/8 SAE	4.6	4.5	323	294	237	179	178	160
		4.6	4.5	159	144	106	79	85	75
		5.2	5.1	323	294	237	179	178	160
P504-H163S	3/8 ODF	5.2	5.1	159	144	106	79	85	75
P504-H164	1/2 SAE	7.7	7.6	323	294	237	179	178	160
		6.6	6.5	159	144	106	79	85	75
P504-H164S	1/2 ODF	8.1	7.9	323	294	237	179	178	160
		7.4	7.3	159	144	106	79	85	75
P504-H165	5/8 SAE	8.3	8.1	323	294	237	179	178	160
		8.0	7.8	159	144	106	79	85	75
P504-H165S	5/8 ODF	8.7	8.5	323	294	237	179	178	160
		8.3	8.1	159	144	106	79	85	75

DIMENSIONAL DATA



P4403A



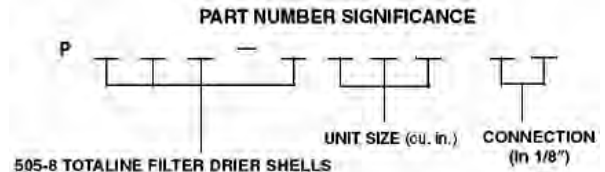
P4403B

PHYSICAL DATA

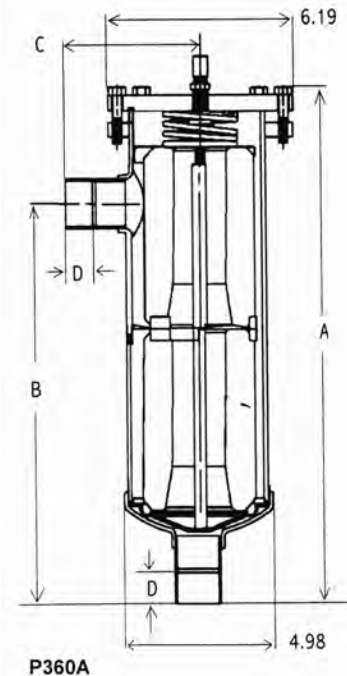
PART NO	CONNECTION SIZE & STYLE	DIMENSIONS (in)					Ship Wt (lbs)
		A	B	C	D	E	
P504-H082S	1/4 ODF	5.42	2.63	—	—	—	1
P504-H083	3/8 SAE	5.94	3.82	—	2.50	—	1
P504-H083S	3/8 ODF	5.29	3.82	4.48	2.50	0.4	1
P504-H084	1/2 SAE	6.16	3.82	—	2.50	—	1
P504-H084S	1/2 ODF	5.66	2.63	—	—	—	1
P504-H085	5/8 SAE	6.62	3.82	—	2.50	—	1
P504-H085S	5/8 ODF	5.60	3.82	4.35	2.50	0.63	1
P504-H163	3/8 SAE	6.74	4.61	—	2.50	—	2
P504-H163S	3/8 ODF	6.08	4.61	5.28	2.50	0.4	2
P504-H164	1/2 SAE	6.96	4.61	—	2.50	—	2
P504-H164S	1/2 ODF	6.17	4.61	5.17	2.50	0.5	3.75
P504-H165	5/8 SAE	7.41	4.61	—	2.50	—	3.75
P504-165S	5/8 ODF	6.39	4.61	5.14	2.50	0.63	3.75

TOTALINE® LIQUID & SUCTION LINE REPLACEABLE SHELLS — P505-8 SERIES

STAS PHYSICAL DATA AND FLOW CAPACITY TABLE



STAS DIMENSIONAL DATA



APPLICATION

Totaline Replaceable Core Shells offer the flexibility of using either replaceable Filter Cores as protection against solid contaminants, or replaceable Filter Drier Cores for protection against acid, moisture, and solids. They provide high liquid line flow capacities for larger air conditioning and refrigeration jobs.

FEATURES

- Designed to accept any standard core.
- Can be installed and leak tested without core.
- Removable flange cover permits easy installation or replacement core.
- Supplied with 1/4" pipe plug in flange cover.
- Full flow fittings for low pressure drop.
- Corrosion resistant epoxy powder paint finish.
- Sturdy steel shells for long life durability.
- 100 mesh outlet screen.
- Solid copper fittings.

NOTE: Cores not included, order separately.

SPECIFICATIONS

Filtration: 40 microns (with block)
 Max. Working Pressure: 500 PSIG*(liquid line)

UL/CUL file number: SA3124
 Bolt torque: 25 ft. lbs

OPTIONS:

Blocks: Order Separately.
 Filters: Order Separately.



STAS PHYSICAL DATA AND FLOW CAPACITY TABLE

PART NO	CONNECTION SIZE & TYPE	NUMBER OF BLOCKS	DESSICANT VOLUME (cu in.)	DIMENSIONS				FLOW CAPACITY**					
				A	B	C	D	R-12	R-134a	R-22	R-407C	R-404A/507	R-502
P505-8485xx	5/8 ODF	1	48	9-15/32	6	3-25/32	5/8	15	19	21	20	14	13
P505-8487xx	7/8 ODF	1	48	9-11/16	6-1/4	3-3/4	25/32	28	35	38	37	25	24
P505-8489xx	1-1/8 ODF	1	48	9-3/4	6-5/16	3-27/32	15/16	40	48	53	51	35	34
P505-84811xx	1-3/8 ODF	1	48	9-27/32	6-7/16	3-31/32	15/16	46	56	61	59	40	39
P505-84813††	1-5/8 ODF	1	48	9-7/8	6-1/2	4-1/32	1-1/8	64	78	85	83	56	55
P505-84817††	2-1/8 ODF	1	48	10-1/16	6-9/16	4-9/16	1-11/32	--	--	--	--	--	--
P505-4821††	2-5/8 ODF	1	48	10-7/16	7-1/32	4-3/4	1-1/2	--	--	--	--	--	--
P505-8967	7/8 ODF	2	96	15-3/16	11-23/32	3-3/4	25/32	31	37	41	40	27	26
P505-8969	1-1/8 ODF	2	96	15-7/32	11-25/32	3-27/32	15/16	47	58	63	61	42	40
P505-89611	1-3/8 ODF	2	96	15-5/16	11-29/32	3-31/32	1-1/32	59	72	79	77	52	51
P505-89613	1-5/8 ODF	2	96	15-3/8	11-31/32	4-1/32	1-1/8	64	78	85	83	56	55
P505-81449	1-1/8 ODF	3	144	21-1/4	17-3/8	3-27/32	15/16	46	56	61	59	40	39
P505-814411	1-3/8 ODF	3	144	21-11/32	17-17/32	3-31/32	1-1/32	66	81	88	86	58	57
P505-814413	1-5/8 ODF	3	144	21-3/8	17-19/32	4-1/32	1-1/8	73	89	97	95	64	63
P505-814417	2-1/8 ODF	3	144	21-9/16	17-5/8	4-9/16	1-11/32	84	103	112	109	74	72
P505-819211	1-3/8 ODF	4	192	26-29/32	23	3-31/32	1-1/32	71	86	94	92	62	61
P505-819213	1-5/8 ODF	4	192	26-15/16	23-1/16	4-1/32	1-1/8	77	95	103	101	68	66
P505-819217	2-1/8 ODF	4	192	27-1/8	23-1/8	4-9/16	1-11/32	87	106	115	112	76	74
P505-81929	1-1/8 ODF	4	192	26-29/32	23	3-31/32	1-1/32	71	86	84	92	62	61

*Does not include weld bead.

**Flow capacity tons @ 1 PSI ΔP.

††Suction line service, all other models liquid line service.

xx 680 PSIG MWP

TOTALINE® LIQUID & SUCTION LINE REPLACEABLE SHELLS — P505-8 SERIES

PHYSICAL DATA AND FLOW CAPACITY TABLES

APPLICATION

Totaline Replaceable Core Shells offer the flexibility of using either replaceable Filter Cores as protection against solid contaminants, or replaceable Filter Drier Cores for protection against acid, moisture, and solids. They provide high liquid line flow capacities for larger air conditioning and refrigerant systems.

FEATURES

- Full flow fittings for low pressure drop.
- Corrosion resistant epoxy powder paint finish.
- Sturdy steel shells for long life durability.

NOTE: Cores not included, order separately.

SPECIFICATIONS

Filtration: 40 microns (with block)

Max. Working Pressure: 500 PSIG* (Liquid Line)

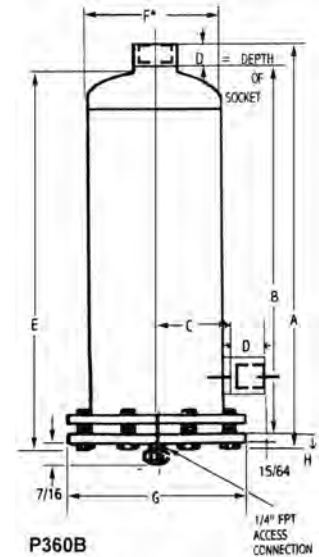
Bolt Torque: 25FT-LBS

UL/CUL file Number: SA3124

* NOTE: Not suitable for R-410A applications above 500psig



DIMENSIONAL DATA



PHYSICAL DATA AND FLOW CAPACITY TABLES

PART NO	CONNECTION SIZE & TYPE	NUMBER OF BLOCKS	DESSICANT VOLUME (cu. in.)	DIMENSIONS								SHIP WT (lbs)
				A	B	C	D	E	F*	G	H†	
P505-830013	1-5/8 ODF	3	300	25-1/2	19-15/32	4-3/16	1-1/8	23-3/16	6	7-9/16	22-1/4	39
P505-830017	2-1/8 ODF	3	300	25-19/32	19	3-25/32	1-22/32	23-3/16	6	7-9/16	22-1/4	39
P505-840017	2-1/8 ODF	4	400	32-3/32	25-1/2	3-25/32	1-21/32	29-31/32	6	7-9/16	28-7/8	46
P505-840021	2-5/8 ODF	4	400	33-1/8	26-23/32	4-13/16	1-15/32	29-31/32	6	7-9/16	28-7/8	46

PART NO	CONNECTION SIZE & TYPE	FLOW CAPACITY					
		R-12	R-134a	R-22	R-407C	R-404A/507	R-502
P505-830013	1-5/8 ODF	57	70	76	74	50	49
P505-830017	2-1/8 ODF	69	84	92	90	61	59
P505-840017	2-1/8 ODF	73	89	97	95	64	63
P505-840021	2-5/8 ODF	83	101	110	107	73	71

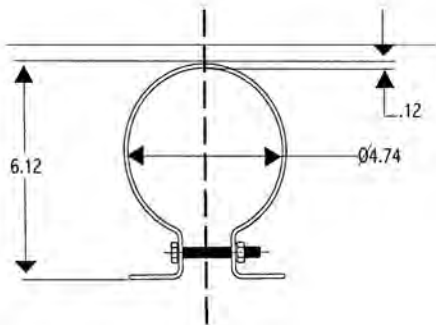
*Does not include weld bead.

†"H" dimension is the clearance required to change the internal hardware assembly.

TOTALINE® LIQUID & SUCTION LINE REPLACEABLE SHELLS — P505-8SERIES (cont) REPLACEMENT PARTS FOR P505-8 SERIES SHELLS

REPLACEMENT PARTS FOR P505-8 SERIES SHELLS

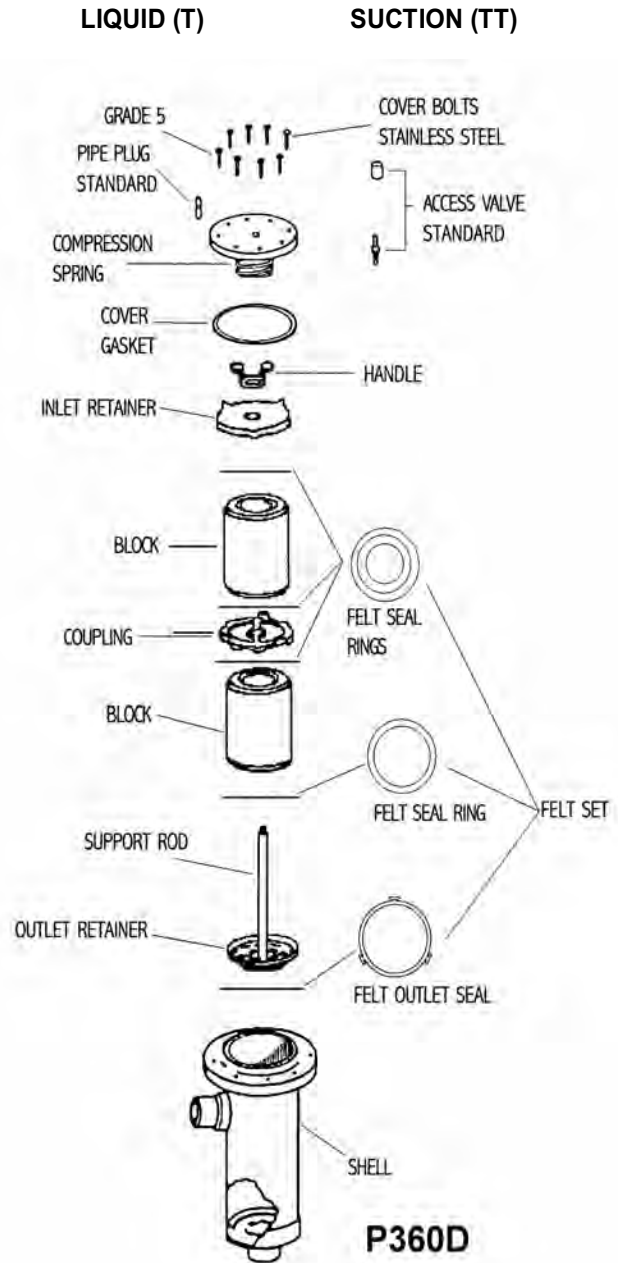
FLANGE COVER ASSEMBLY	PART NO
All shells include flange cover, compression spring and pipe plug	X12176-3
REPLACEMENT RETAINER ASSEMBLY	
Size 48	X27458-1
Size 96	X27458-2
Size 144	X27458-3
Size 192	X27458-4
MISCELLANEOUS PARTS	
Cover Bolts (Stainless Steel-Suction Line Service)	X25787-7
Access Valve (V Option)	X11562-2
Cover Gasket (includes Felt Set)	X11983-1
Handle	26446-1
Inlet Retainer	26447-1
Spring	26439-1
Felt Set (3 Block Set)	27394-1
Gasket Set	X11983-2
Mounting Bracket	X28747-1



P360C

MOUNTING BRACKET FOR SIZE 48*

*More than one mounting bracket may be required for shell sizes 96 and above.



Compressors,
Chillers, Condensers

Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

Oils &
Chemicals

Accessories, Supplies
& Commodities

Tools &
Instruments

Refrigeration

TOTALINE® REPLACEABLE BRASS TAKE-APART SUCTION LINE FILTER DRIER SHELLS — P505-8 SERIES

TYPE A-F REPLACEABLE FILTER CORES

APPLICATION

The P505-8 Series is a suction line, replaceable core filter-drier for suction line services ideal for Commercial Refrigeration Applications.

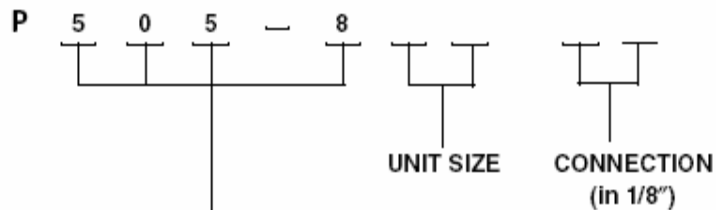
FEATURES

- Full flow fittings for low pressure drop.
- Corrosion free brass body
- Can use either filter cartridges or filter drier cartridges
- UL approved (SA3124)

SPECIFICATIONS

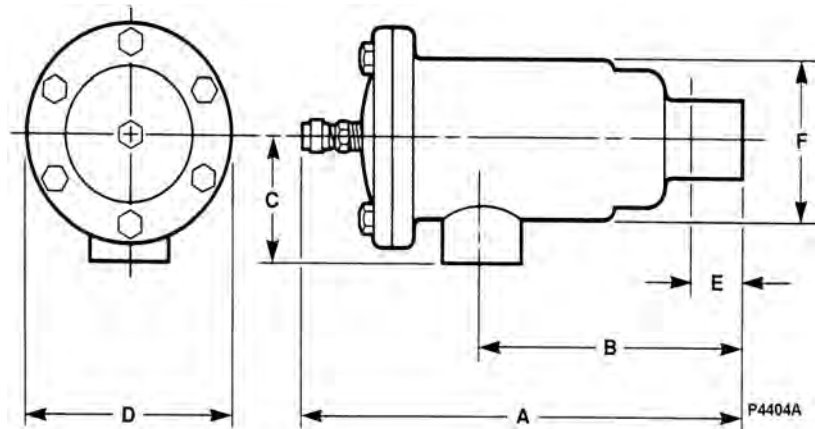
Maximum Working Pressure: 400 PSIG
 Filtration: 40 Microns

PART NUMBER SIGNIFICANCE



505-8 TOTALINE FILTER DRIER SHELLS

DIMENSIONAL DATA



PHYSICAL DATA TABLE

PART NO	CONNECTION SIZE (in) & TYPE	NOMINAL SHELL SIZE (in)	DIMENSIONS (in)					
			A	B	C	E	F	
P505-8027	7/8 ODF	2	9-3/4	6-21/32	2-3/16	3-3/4	.750	2-23/32
P505-8039	1-1/8 ODF	3	10-5/16	6-13/16	3-5/16	4-5/8	.910	3-15/32
P505-80311	1-3/8 ODF	3	11-1/16	6-15/16	3-7/16	4-5/8	.970	3-15/32
P505-80313	1-5/8 ODF	3	11-1/4	7-1/8	3-5/8	4-5/8	1.090	3-15/32
P505-80317	2-1/8 ODF	3	11-1/2	7-3/8	3-7/8	4-5/8	1.340	3-15/32
P505-80411	1-3/8 ODF	4	11-13/32	7-13/8	4-1/8	5-3/4	.780	4-15/32
P505-80413	1-5/8 ODF	4	12-1/32	7-13/16	4-1/8	5-3/4	1.090	4-15/32
P505-80417	2-1/8 ODF	4	12-9/32	8-1/16	4-3/8	5-3/4	1.340	4-15/32
P505-80421	2-5/8 ODF	4	12-13/32	8-3/16	4-15/16	5-3/4	1.470	4-15/32
P505-80517	2-1/8 ODF	5	13-7/16	8-13/32	4-3/16	7-3/32	1.340	5-9/16
P505-80521	2-5/8 ODF	5	13-9/16	8-15/32	4-15/16	7-3/32	1.470	5-9/16
P505-80525	3-1/8 ODF	5	13-1/4	8-5/32	4-5/8	7-3/32	1.660	5-9/16

Refrigeration

TOTALINE® REPLACEABLE BRASS TAKE-APART SUCTION LINE FILTER DRIER SHELLS — P505-8 SERIES FLOW CAPACITY CHART

P506 SERIES	P505-8 SERIES	CONNECTIONS	FLOW CAPACITY IN TONS REFRIGERANT														
			R-12				R-134a				R-22						
Filter Cartridge, and Filter Drier Cartridge Part No.	Take Apart Shell Part No.		Evaporator Temperature (F)														
			40	20	0	-20	40	20	0	-20	40	20	0	-20	-40		
			Pressure Drop (PSI)														
			2	1.5	1	0.5	2	1.5	1	0.5	3	2	1.5	1	0.5		
P506-802F		5/8 ODF	2.6	1.9	1.3	0.7	2.7	1.9	1.2	0.6	5.1	3.3	2.2	1.4	0.7		
P506-802F	P505-8027	7/8 ODF	4.7	3.4	2.2	1.2	4.8	3.3	2.1	1.1	8.8	5.7	3.9	2.5	1.3		
P506-803F	P505-8039	1-1/8 ODF	7.1	5.1	3.4	1.9	7.3	5	3.2	1.7	14	8.8	5.9	3.7	2		
P506-803F	P505-80311	1-3/8 ODF	7.9	5.6	3.7	2.1	8.1	5.5	3.5	1.9	15	10	6.6	4.1	2.2		
P506-803F	P505-80313	1-5/8 ODF	13	8.9	5.9	3.4	13	8.8	5.6	3	24	16	11	6.6	3.5		
P506-803F	P505-80317	2-1/8 ODF	15	11	7.2	4.2	16	11	6.9	3.7	29	19	13	8.1	4.3		
P506-804F	P505-80411	1-3/8 ODF	20	15	10	5.5	21	14	9.1	4.9	38	25	17	11	5.7		
P506-804F	P505-80413	1-5/8 ODF	17	12	8	4.5	17	12	7.4	4	31	20	14	8.7	4.6		
P506-804F	P505-80417	2-1/8 ODF	28	20	13	7.5	29	20	12	6.7	53	34	23	15	7.8		
P506-804F	P505-80421	2-5/8 ODF	34	24	16	9.1	35	24	15	8.1	64	42	29	18	10		
P506-805F	P505-80517	2-1/8 ODF	33	24	16	9.1	34	24	15	8.1	63	41	28	18	9.4		
P506-805F	P505-80521	2-5/8 ODF	44	32	21	12	45	31	20	11	84	54	37	23	12		
P506-805F	P505-80525	3-1/8 ODF	54	39	25	15	56	38	24	13	103	67	46	29	15		
P506-802FD	P505-8025	5/8 ODF	2.4	1.7	1.2	0.7	2.5	1.7	1.1	0.6	4.6	3	2	1.3	0.7		
P506-802FD	P505-8027	7/8 ODF	4	2.8	1.9	1.1	4.1	2.8	1.8	1	7.5	4.9	3.3	2.1	1.1		
P506-803FD	P505-8039	1-1/8 ODF	5.2	3.7	2.4	1.4	5.3	3.6	2.3	1.2	10	6.3	4.3	2.7	1.4		
P506-803FD	P505-80311	1-3/8 ODF	7.2	5.2	3.4	1.9	7.4	5.1	3.2	1.7	14	8.9	6	3.8	2		
P506-803FD	P505-80313	1-5/8 ODF	10	7.4	4.8	2.8	11	7.3	4.6	2.5	20	13	8.6	5.4	2.9		
P506-803FD	P505-80317	2-1/8 ODF	12	8.5	5.7	3.3	12	8.4	5.4	2.9	23	15	10	6.3	3.4		
P506-804FD	P505-80411	1-3/8 ODF	15	11	7	4.1	15	11	6.7	3.6	28	18	13	7.8	4.2		
P506-804FD	P505-80413	1-5/8 ODF	15	11	7.2	4.2	16	11	6.9	3.7	29	19	13	8.1	4.3		
P506-804FD	P505-80417	2-1/8 ODF	22	16	11	6.1	23	16	10	5.4	43	28	19	12	6.3		
P506-804FD	P505-80421	2-5/8 ODF	23	17	11	6.3	24	16	10	5.6	44	29	19	12	6.5		
P506-805FD	P505-80517	2-1/8 ODF	27	19	13	7.2	28	19	12	6.4	51	33	22	14	7.5		
P506-805FD	P505-80521	2-5/8 ODF	32	23	15	8.8	33	23	14	7.8	61	40	27	17	9		
P506-805FD	P505-80525	3-1/8 ODF	38	27	18	10	39	27	17	9.2	72	47	32	20	11		

Compressors,
Chillers, Condensers

Motors

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Accessories, Supplies
& Commodities

Tools &
Instruments

Refrigeration

TAKE-A-PART SHELLS

TOTALINE® FILTER CORES AND FILTER DRIER CARTRIDGES — P506-8 SERIES

CROSS REFERENCE TABLE

TAKE-APART SHELL PART NO.	FILTER DRIER CARTRIDGE PART NO	FILTER CORE PART NO
P505-8027	P506-802FD	P506-802F
P505-8039	P506-803FD	P506-803F
P505-80311		
P505-80313		
P505-80317		
P505-80411	P506-804FD	P506-804F
P505-80413		
P505-80417		
P505-80421		
P505-80517	P506-805FD	P506-805F
P505-80521		
P505-80525		

FILTER DRIER CARTRIDGE DIMENSIONS

PART NO	OD (in)	LENGTH (in)	DESICCANT VOLUME (cu in)
P506-802FD	1-29/32	6-3/8	4.2
P506-803FD	2-3/4	6-7/8	13.3
P506-804FD	3-3/4	7-1/2	26.0
P506-805FD	4-5/16	8-1/2	36.5

FILTER CORE DIMENSIONS

PART NO	OD (in)	LENGTH (in)	FILTER AREA (sq in)
P506-802F	1-29/32	6-3/8	66
P506-803F	2-3/4	6-7/8	115
P506-804F	3-3/4	7-1/2	189
P506-805F	4-5/16	8-1/2	270

TOTALINE® FILTER CORES AND FILTER DRIER CARTRIDGES — P506-8 SERIES

FLOW CAPACITY CHART

FOR R-407C, R-502, & R-404/507

P506 SERIES	P505-8 SERIES	CONNECTIONS	FLOW CAPACITY IN TONS REFRIGERANT														
			R-407C					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)														
3	2	1.5	1	0.5	3	2	1.5	1	0.5	3	2	1.5	1	0.5			
P506-802F		5/8 ODF	5.7	3.8	2.7	1.7	0.9	4.2	2.6	1.8	1.1	0.6	4.1	2.6	1.8	1.1	0.6
P506-802F		7/8 ODF	9.8	6.5	4.7	3.1	1.7	7.4	4.6	3.1	1.8	0.9	7.2	4.6	3.1	1.9	1
P506-803F	P505-8039	1-1/8 ODF	15	10	7.1	4.6	2.7	11	7	4.7	2.8	1.4	11	7	4.7	2.9	1.5
P506-803F	P505-80311	1-3/8 ODF	17	11	8	5.1	3	12	7.8	5.2	3.1	1.6	12	7.8	5.2	3.2	1.7
P506-803F	P505-80313	1-5/8 ODF	27	18	13	8.1	4.7	20	12	8.2	5	2.5	19	12	8.3	5.2	2.7
P506-803F	P505-80317	2-1/8 ODF	32	22	15	10	5.8	25	15	10	6.1	3.1	24	15	10	6.3	3.3
P506-804F	P505-80411	1-3/8 ODF	42	29	21	13	7.6	32	20	13	8.1	4.1	31	20	14	8.4	4.4
P506-804F	P505-80413	1-5/8 ODF	35	23	17	11	6.2	27	16	11	6.6	3.4	26	16	11	6.8	3.6
P506-804F	P505-80417	2-1/8 ODF	59	39	28	18	10	44	28	18	11	5.7	43	28	19	12	6
P506-804F	P505-80421	2-5/8 ODF	71	48	35	22	13	54	34	23	14	6.9	52	34	23	14	7.3
P506-805F	P505-80517	2-1/8 ODF	70	47	34	22	13	54	33	22	13	6.8	52	33	22	14	7.2
P506-805F	P505-80521	2-5/8 ODF	93	62	45	28	17	70	44	29	18	9	68	44	29	18	9.6
P506-805F	P505-80525	3-1/8 ODF	115	77	56	36	21	87	54	36	22	11	84	54	36	23	12
P506-802FD	P505-8025	5/8 ODF	5.1	3.4	2.4	1.6	0.9	3.9	2.4	1.6	1	0.5	3.8	2.4	1.6	1	0.5
P506-802FD	P505-8027	7/8 ODF	8.3	5.6	4	2.6	1.5	6.3	3.9	2.6	1.5	0.8	6.1	3.9	2.6	1.6	0.9
P506-803FD	P505-8039	1-1/8 ODF	11	7.2	5.2	3.3	1.9	8.1	5.1	3.4	2	1	7.9	5.1	3.4	2.1	1.1
P506-803FD	P505-80311	1-3/8 ODF	15	10	7.2	4.7	2.7	11	7.1	4.8	2.9	1.5	11	7.1	4.8	3	1.6
P506-803FD	P505-80313	1-5/8 ODF	22	15	10	6.7	3.9	16	10	6.7	4.1	2.1	16	10	6.8	4.2	2.2
P506-803FD	P505-80317	2-1/8 ODF	26	17	12	7.8	4.6	19	12	7.9	4.8	2.4	19	12	8	5	2.6
P506-804FD	P505-80411	1-3/8 ODF	31	21	15	10	5.6	24	15	10	5.9	3	23	15	10	6.1	3.2
P506-804FD	P505-80413	1-5/8 ODF	32	22	15	10	5.8	25	15	10	6.1	3.1	24	15	10	6.3	3.3
P506-804FD	P505-80417	2-1/8 ODF	48	32	23	15	8.5	36	22	15	9	4.6	35	22	15	9.3	4.9
P506-804FD	P505-80421	2-5/8 ODF	49	33	23	15	8.7	37	23	15	9.2	4.7	36	23	15	10	5
P506-805FD	P505-80517	2-1/8 ODF	57	38	27	17	10	42	27	18	11	4.7	41	27	18	11	5
P506-805FD	P505-80521	2-5/8 ODF	68	46	33	21	12	52	32	22	13	6.6	50	32	22	13	7
P506-805FD	P505-80525	3-1/8 ODF	80	54	39	25	14	61	38	25	15	7.8	59	38	25	16	8.3

Compressors,
Chillers, Condensers

Motors

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Tools &
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Refrigeration

TOTALINE® FILTER DRIER CORES — P506-8 SERIES

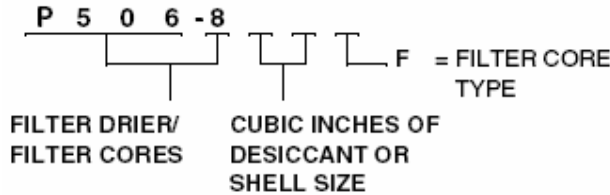
FEATURES

Universal replacement cores for use in Totaline and other take-apart type filter drier shells.

SPECIFICATIONS

Interchangeable with competitive products.

PART NUMBER SIGNIFICANCE



ORDERING INFORMATION AND CAPACITY TABLE

PART NO	RECOMMENDED REFRIGERANT	APPLICATION	TYPE	DROPS OF WATER											
				R-12		R-134a		R-22		R-407C		R-404A/507		R-502	
				75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F
P506-8H42	CFC, HCFC	High Acid and Water Removal	Core	933	681	686	576	617	491	478	333	724	587	656	519
P506-8D48	CFC, HCFC	High Acid Removal	Core	810	453	415	340	363	254	225	95	457	343	388	225
P506-8H48	CFC, HCFC	High Acid and Water Removal	Core	1020	688	676	538	597	436	445	285	721	535	643	475
P506-8W48	CFC, HCFC, HFC	Burn Out With Charcoal	Core	772	488	387	294	335	226	290	165	447	289	444	306
P506-8H100	CFC, HCFC	High Acid and Water Removal	Core	1958	1225	1112	834	962	673	726	418	1199	839	1109	758
P506-8W100	CFC, HCFC, HFC	Burn Out With Charcoal	Core	1668	1054	1077	812	938	621	629	363	1162	792	960	663
P506-8F48	CFC, HCFC, HFC	FILTER(Suction Only)	FILTER	—	—	—	—	—	—	—	—	—	—	—	—
P506-8RD48	Reclaim Use Only	High Acid Removal	Core	—	—	—	—	—	—	—	—	—	—	—	—
P506-8RH48	Reclaim Use Only	High Acid and Water Removal	Core	1020	688	676	538	597	436	445	285	721	535	643	475
P506-8RW48	Reclaim Use Only	Burn Out With Charcoal	Core	772	488	387	294	335	226	290	168	417	289	444	306

TOTALINE REPLACEABLE FILTER DRIER CORES

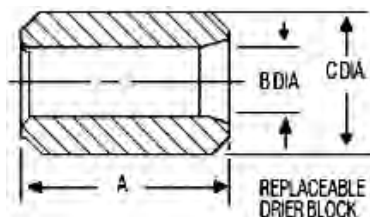
TOTALINE® SOLID CORE DRIER CROSS-REFERENCE

FEATURES

- The blend of desiccants used in Totaline replaceable core filter driers provides utmost water capacity, exceptional acid removal characteristics, and the ability to remove the products of oil breakdown.
- Cores are individually packed in metal cans, fully activated and hermetically sealed against moisture and dirt. Each can contains an end plate gasket kit to fit Totaline and competitive replaceable core shells.

TOTALINE	RECOMMENDED REFRIGERANT	APPLICATION	SPORLAN	PARKER	ALCO	HENRY	VIRGINIA KMP	DANFOSS
P506-8D48	CFC, HCFC, HFC	High Moisture, Acid, Sludge, and Particle	RC-4864	PCK-48	D-48	848-C	VS-48C	—
P506-8H48	Designed Specially for use with POE Oils	Significantly Higher Moisture & Acid Removal	RCW-4864 RCW-48	PCX-48, Z-48	H48, HX-48	848-C	—	48-DN, 48-DU
P506-8W48	CFC, HCFC, HFC	Burn Out with Charcoal	RC-4864-HH	PCK-48HH	W48	848-CM	—	48-DA
P506-8H100	Designed Specially for use with POE Oils	Significantly Higher Moisture & Acid Removal	RCW-100	PCK-100	H-100	—	—	—
P506-8W100	CFC, HCFC, HFC	Burn Out with Charcoal	RC-10098-HH	—	UK-100, W-100-HH	—	VS-100H	—

DIMENSIONAL DATA



FILTER-DRIER BLOCK SIZE	DIMENSIONS			SHIP WT. (lbs)
	A	B	C	
42	6	1.58	3.12	1
48	5.5	1.77	3.72	1-1/2
100	6.5	2.06	4.81	4

Refrigeration

BLOCKS AND FILTER CORES



PCN*	Description**	Recommended Refrigerant Type	Function	R-12 / 75°F	R-12 / 125°F	R-22 / 125°F	R-22 / 75°F	R-134a / 75°F	R-134a / 125°F	R-22 / 75°F	R-22 / 125°F	R-404A / 507 / 75°F	R-404A / 507 / 125°F	R-502 / 75°F	R-502 / 125°F
056662	D-42	CFC, HCFC	HIGH ACID REMOVAL	782	515	493	384	432	303	320	196	528	378	473	339
056661	H-42	CFC, HCFC	HIGH ACID AND WATER REMOVAL	933	681	686	576	617	491	478	333	724	587	656	519
056835	W-42-HH	ALL	BURNOUT CLEANUP	612	388	333	253	288	195	231	132	359	248	354	245
059541	D-48	CFC, HCFC	HIGH ACID REMOVAL	810	453	415	340	363	254	225	95	457	343	388	225
059542	H-48	CFC, HCFC	HIGH ACID AND WATER REMOVAL	1020	688	676	538	597	436	445	285	721	535	643	475
061235	W-48-HH	CFC, HCFC, HFC	BURNOUT CLEANUP	772	488	387	294	335	226	290	165	417	289	444	306
061617	UK-48	CFC, HCFC, HFC	UNIVERSAL REPLACEMENT	1579	1319	1272	1168	1181	1072	1033	786	1319	1241	1332	1150
089338	H-100	CFC, HCFC	HIGH ACID AND WATER REMOVAL	1958	1225	1112	834	962	673	726	418	1199	839	1109	758
062424	UK-100	CFC, HCFC, HFC	UNIVERSAL REPLACEMENT	3204	2740	2769	2550	2574	2345	2182	1682	2868	2710	2787	2437
043582	W-100-HH	CFC, HCFC, HFC	BURNOUT CLEANUP	1668	1054	1077	812	938	621	629	363	1162	792	960	663
089559	F-48	CFC, HCFC, HFC	FILTER (SUCTION ONLY)	-	-	-	-	-	-	-	-	-	-	-	-
047664	F-48R	CFC, HCFC, HFC	FILTER (SUCTION ONLY) REVERSE FLOW	-	-	-	-	-	-	-	-	-	-	-	-
095762	F-100	CFC, HCFC, HFC	FILTER (SUCTION ONLY)	-	-	-	-	-	-	-	-	-	-	-	-
061237	RH-48	CFC, HCFC	HIGH WATER	1020	688	676	538	597	436	445	285	721	535	643	475
061238	RW-48	CFC, HCFC	BURN OUT	772	488	387	294	335	226	290	165	417	289	444	306

Product Code Number Standard Product Offering
 *Water Capacities are based on Equilibrium Point Dryness (EPD) of:
 50 parts per million for R-134a, R404-A/507 & R-407C
 60 parts per million for R-22
 15 parts per million for R-12
 30 parts per million for R-502

* $\phi 20$ drops of water = 1 gram = 1 cc
 $\phi D-42$, H-42 and W-42 include one neoprene composite lid gasket and one core gasket.
 All other cores include a universal neoprene composite gasket kit which includes 2 sizes of replacement lid gaskets, and gaskets for the top and bottom of the core or filter.

Compressors,
Chillers, Condensers

Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

Oils &
Chemicals

Accessories, Supplies
& Commodities

Tools &
Instruments

Refrigeration