

AC&R COMPONENTS

Totaline® Liquid Line Filter-Driers P502-8 Series

Features:

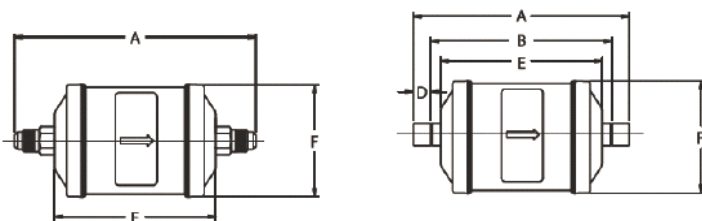
- Compacted bead filter drier, with a fine 20 Micron outlet pad for maximum filtration
- Universal Replacement for CFC, HCFC, and HFC Refrigerants
- Filtration first for more effective use of surface area of desiccant
- Solid copper connection for easy installation

Specifications:

- Filtration: 20 microns
- Maximum working pressure: size 03-75 680 psig
- Desiccant blend – 75% molecular sieve and 25% activated alumina for high moisture and acid capacity

NOMENCLATURE - Example: P502-8 Liquid Line filter Driers

P502-8	08	4	S
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)



Part Number	Connection Size & Type	Dimensions (In)					Weight (lbs)
		A	B	D	E	F	
P502-8032	1/4 SAE	4.38			2.57	1.75	0.48
P502-8032S	1/4 ODF	3.83	2.71	0.56	2.57	1.75	0.48
P502-8032MF	1/4 Male/In SAE	3.92			2.57	1.75	0.48
P502-8033	3/8 SAE	4.69			2.57	1.75	0.48
P502-8033S	3/8 ODF	4.03	2.79	0.62	2.57	1.75	0.48
P502-8052	1/4 SAE	4.83			3.02	2.64	1.04
P502-8052S	1/4 ODF	4.15	3.46	0.35	3.02	2.64	1.04
P502-8053	3/8 SAE	5.14			3.02	2.64	1.04
P502-8053S	3/8 ODF	4.48	3.24	0.62	3.02	2.64	1.04
P502-8082	1/4 SAE	5.64			3.83	2.64	1.23
P502-8082S	1/4 ODF	4.96	4.27	0.35	3.83	2.64	1.23
P502-8083	3/8 ODF	5.95			3.83	2.64	1.23
P502-8083S	3/8 ODF	5.29	4.05	0.62	3.83	2.64	1.23
P502-8084	1/2 SAE	6.17			3.83	2.64	1.23
P502-8084S	1/2 ODF	5.33	4.07	0.63	3.83	2.64	1.23
P502-8162	1/4 SAE	6.58			4.77	2.64	1.49
P502-8162S	1/4 ODF	5.90	5.21	0.35	4.77	2.64	1.49
P502-8163	3/8 SAE	6.89			4.77	2.64	1.49
P502-8163S	3/8 ODF	6.24	5.43	0.40	4.77	2.64	1.49
P502-8164	1/2 SAE	7.11			4.77	2.64	1.49
P502-8164S	1/2 ODF	6.33	5.33	0.50	4.77	2.64	1.49
P502-8165	5/8 SAE	7.57			4.77	2.64	1.49
P502-8165S	5/8 ODF	6.55	5.30	0.63	4.77	2.64	1.49
P502-8167S	7/8 ODF	7.13	5.63	0.75	4.77	2.64	1.49
P502-8303	3/8 SAE	9.66			7.54	3.14	3.01
P502-8303S	3/8 ODF	9.01	8.21	0.40	7.54	3.14	3.01
P502-8304	1/2 SAE	9.88			7.54	3.14	3.01
P502-8304S	1/2 ODF	9.10	8.10	0.50	7.54	3.14	3.01
P502-8305	5/8 SAE	10.34			7.54	3.14	3.01
P502-8305S	5/8 ODF	9.32	8.07	0.63	7.54	3.14	3.01
P502-8306S	3/4 ODF	9.73	8.48	0.63	7.54	3.14	3.01
P502-8307S	7/8 ODF	9.90	8.40	0.75	7.54	3.14	3.01
P502-8309S	1-1/8 ODF	10.26	8.45	0.90	7.54	3.14	3.01
P502-8413	3/8 SAE	9.79			7.67	3.64	3.35

AC&R COMPONENTS

Totaline® Liquid Line Filter-Driers P502-8 Series

Part Number	Connection Size & Type	Dimensions (In)					Weight (lbs)
		A	B	D	E	F	
P502-8414	1/2 SAE	10.01			7.67	3.64	3.35
P502-8414S	1/2 ODF	9.23	8.23	0.50	7.67	3.64	3.35
P502-8415	5/8 SAE	10.47			7.67	3.64	3.35
P502-8415S	5/8 ODF	9.45	8.20	0.63	7.67	3.64	3.35
P502-8417S	7/8 ODF	10.03	8.53	0.75	7.67	3.64	3.35
P502-8419S	1-1/8 ODF	10.39	8.58	0.91	7.67	3.64	3.35
P502-8757S	7/8ODF	15.25	14.02	0.61	13.16	3.64	6.14
P502-8759S	1-1/8 ODF	15.88	14.07	0.91	13.16	3.64	6.14

PHYSICAL DATA

PART NO.	FLOW CAPACITY* (Tons) @ 1 PSI ΔP				WATER CAPACITY † (Drops of Water)**										
					Refrigerant										
	R-134a		R-22		R-404A/R507		R-410A								
	Liquid Line Temperature (F)								75	125	75	125	75	125	75
P502-8032	2.0	2.2	1.4	2.2	40	37	40	33	38	37	21	19			
P502-8032MF	2.0	2.2	1.4	2.1											
P502-8032S	2.7	2.9	2.0	2.9											
P502-8033S	3.0	3.3	2.2	3.3											
P502-8052	2.1	2.3	1.5	2.3	116	106	114	97	109	106	64	58			
P502-8052S	3.3	3.6	2.4	3.6											
P502-8053	3.5	3.8	2.5	3.8											
P502-8053S	4.4	4.8	3.2	4.9											
P502-8082	2.3	2.5	1.7	2.5	237	218	235	200	224	217	159	118			
P502-8082S	3.1	3.4	2.3	3.4											
P502-8083	4.0	4.3	2.9	4.3											
P502-8083S	4.5	4.9	3.3	4.9											
P502-8084	6.7	7.3	4.9	7.3	371	341	368	313	350	340	206	186			
P502-8084S	7.1	7.7	5.2	7.7											
P502-8162	2.3	2.5	1.6	2.5											
P502-8162S	3.1	3.4	2.3	3.0											
P502-8163	3.9	4.2	2.9	4.2											
P502-8163S	4.4	4.8	3.2	4.8											
P502-8164	7.2	7.8	5.2	7.8											
P502-8164S	8.5	9.2	6.2	9.2											
P502-8165	9.7	10.5	7.0	10.5	664	611	657	561	627	608	515	355			
P502-8165S	10.1	10.9	7.3	10.9											
P502-8167S	15.5	16.8	11.2	16.8											
P502-8303	4.3	4.7	3.1	4.7											
P502-8303S	6.3	6.8	4.5	6.8											
P502-8304	8.1	8.8	5.9	8.8											
P502-8304S	10.0	10.8	7.2	10.8											
P502-8305	10.6	11.5	7.7	11.5											
P502-8305S	12.5	13.5	9.0	13.5	938	854	919	785	876	850	715	465			
P502-8306S	14.8	16.0	10.7	16.0											
P502-8307S	16.8	18.2	12.2	18.2											
P502-8309S	19.6	21.2	14.2	21.2											
P502-8413	4.3	4.7	3.1	4.7											
P502-8414	10.4	11.3	7.5	11.3											
P502-8414S	10.8	11.7	7.8	11.7											
P502-8415	12.0	13.0	8.7	13.0											
P502-8415S	17.0	18.4	12.3	18.4	2159	2019	2159	1880	2019	2019	1460	1111			
P502-8417S	20.3	22.0	14.7	22.0											
P502-8419S	27.7	30.0	20.1	30.3											
P502-8757S	22.2	24.1	16.1	24.1											
P502-8759S	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/R-507.

†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.

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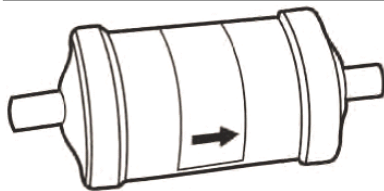
TOTALINE® LIQUID LINE FILTER DRIERS

UNIT SIZE	LIQUID REFRIGERANT CAPACITY BY WEIGHT OUNCES							
	R-134a		R-22		R-404A/R507		R-410A	
	Liquid Line Temperature (F)							
	75	125	75	125	75	125	75	125
3	2.6	3	2.6	2.3	2.3	1.9	2.3	1.9
5	6	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
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

Driers

AC&R COMPONENTS

Totaline® Liquid Line Filter Driers P502-C Series



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

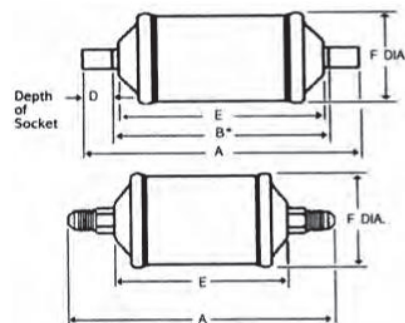
Specifications:

Desiccant Blend: Activated Alumina with molecular sieve

Max. working press: Sizes 03-75, 680

psig UL/CUL file number: SA3124

Filtration: 40 microns



NOMENCLATURE - Example: P502-C Liquid Line filter Driers

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

Part Number	Connection Size & Type	Dimensions (In)				F *	Ship WT. (lbs)
		A	B	D	E		
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	2-9/16	1-5/8	1/2
P502-C033	3/8 SAE	4-11/16	—	—	2-9/16	1-5/8	1/2
P502-C033S	3/8 ODF	4-1/16	3-3/16	7/16	2-9/16	1-5/8	1/2
P502-C052	1/4 SAE	4-13/16	—	—	3	2-5/8	3/4
P502-C052S	1/4 ODF	4-7/16	3-11/16	3/8	3	2-5/8	3/4
P502-C053	3/8 SAE	5-1/8	—	—	3	2-5/8	3/4
P502-C053S	3/8 ODF	4-1/2	3-5/8	7/16	3	2-5/8	3/4
P502-C082	1/4 SAE	5-5/8	—	—	3-13/16	2-5/8	1-1/4
P502-C082S	1/4 ODF	5-1/4	4-1/2	3/8	3-13/16	2-5/8	1-1/4
P502-C083	3/8 SAE	5-15/16	—	—	3-13/16	2-5/8	1-1/4
P502-C083S	3/8 ODF	5-5/16	4-7/16	7/16	3-13/16	2-5/8	1-1/4
P502-C084	1/2 SAE	6-3/16	—	—	3-13/16	2-5/8	1-1/4
P502-C084S	1/2 ODF	5-3/8	4-3/8	1/2	3-13/16	2-5/8	1-1/4
P502-C162	1/4 SAE	6-7/16	—	—	4-5/8	2-5/8	2
P502-C162S	1/4 ODF	6-7/16	5-1/4	7/16	4-5/8	2-5/8	2
P502-C163	3/8 SAE	6-3/4	—	—	4-5/8	2-5/8	2
P502-C163S	3/8 ODF	6-1/8	5-1/4	7/16	4-5/8	2-5/8	2
P502-C164	1/2 SAE	6-15/16	—	—	4-5/8	2-5/8	2
P502-C164S	1/2 ODF	6-3/16	5-3/16	1/2	4-5/8	2-5/8	2
P502-C165	5/8 SAE	7-7/16	—	—	4-5/8	2-5/8	2
P502-C165S	5/8 ODF	6-3/8	5-1/8	5/8	4-5/8	2-5/8	2
P502-C167S	7/8 ODF	6-15/16	5-7/16	3/4	4-5/8	2-5/8	2
P502-C303	3/8 SAE	9-5/8	—	—	7-1/2	3-1/16	3-3/4
P502-C303S	3/8 ODF	9	8-1/8	7/16	7-1/2	3-1/16	3-3/4
P502-C304	1/2 SAE	9-7/8	—	—	7-1/2	3-1/16	3-3/4
P502-C304S	1/2 ODF	9-1/8	8-1/8	1/2	7-1/2	3-1/16	3-3/4
P502-C305	5/8 SAE	10-5/16	—	—	7-1/2	3-1/16	3-3/4
P502-C305S	5/8 ODF	9-5/16	8-1/16	5/8	7-1/2	3-1/16	3-3/4
P502-C306S	3/4 ODF	9-5/16	8-1/16	5/8	7-1/2	3-1/16	3-3/4
P502-C307S	7/8 ODF	9-7/8	8-3/8	3/4	7-1/2	3-1/16	3-3/4

AC&R COMPONENTS

Totaline® Liquid Line Filter Driers P502-C Series

Part Number	Connection Size & Type	Dimensions (In)				F *	Ship WT. (lbs)
		A	B	D	E		
P502-C309S	1-1/8 ODF	10-3/16	8-3/8	15/16	7-1/2	3-1/16	3-3/4
P502-C414S	1/2 ODF	9-1/4	8-1/4	1/2	7-5/8	3-11/16	4-3/4
P502-C415	5/8 SAE	10-7/16	—	—	7-5/8	3-11/16	4-3/4
P502-C415S	5/8 ODF	9-7/16	8-3/16	5/8	7-5/8	3-11/16	4-3/4
P502-C417S	7/8 ODF	10	8-1/2	3/4	7-5/8	3-11/16	4-3/4
P502-C419S	1-1/8 ODF	10-5/16	8-1/2	15/16	7-5/8	3-11/16	4-3/4
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	3-11/16	3-11/16	7-1/2

* Does not include weld bead.

AC&R COMPONENTS

Totaline® Liquid Line Burnout Filter Driers — P508 Series



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:

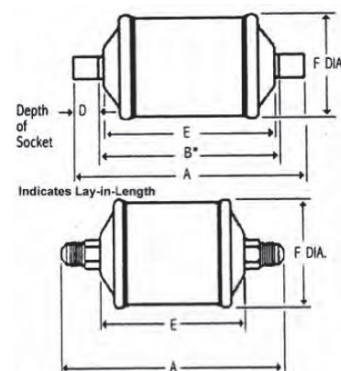
- Solid Copper Fittings
- Corrosion Resistant Epoxy Powder Paint Finish
- Rugged Steel Shell (Shock Resistant)
- Wax Control for Low Temperature Applications
- Extra Moisture and Acid Removal Capacity

Specifications:

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

NOMENCLATURE - Example: P508-8 Liquid Line Burnout Filter Driers

P508-8	16	3	S
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)



Part Number	Connection Size	Dimensions (In)					Ship WT. (lbs)
		A	B	D	E	F*	
P508-8163S	3/8 ODF	6-1/8	5-1/4	7/16	4-5/8	2-7/8	2
P508-8164S	1/2 ODF	6-3/16	5-3/16	1/2	4-5/8	2-7/8	2
P508-8165	5/8 SAE	7-7/16	—	—	4-5/8	2-7/8	2
P508-8165S	5/8 ODF	6-3/8	5-1/8	5/8	7-1/2	3-1/16	3-3/4
P508-8304	1/2 SAE	9-7/8	—	—	7-1/2	3-1/16	3-3/4
P508-8304S	1/2 ODF	9-1/8	8-1/8	1/2	7-1/2	3-1/16	3-3/4
P508-8305	5/8 SAE	10-5/16	—	—	7-1/2	3-1/16	3-3/4
P508-8305S	5/8 ODF	9-5/16	8-1/16	5/8	7-1/2	3-1/16	3-3/4
P508-8417S	7/8 ODF	10-7/16	—	—	7-5/8	3-11/16	4-3/4

* Does not include weld bead.

CAPACITY TABLE

PART NO.	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	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
P508-8163S	4.8	5.8	6.3	6.3	6.2	4.2	4.1	209	143	171	141	153	117	91	56	77	41	182	141	135	100
P508-8164S	8.4	10.2	11.1	11.1	10.9	7.4	7.2														
P508-8165	10.5	12.8	13.9	13.9	13.6	9.3	9.0														
P508-8165S	10.5	12.8	13.9	13.9	13.6	9.3	9.0														
P508-8304	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	8.9	10.8	11.7	14.6	11.5	7.8	7.6														
P508-8305	11.1	13.5	14.6	15.8	14.3	9.8	9.5														
P508-8305S	12.0	14.6	15.8	11.1	15.5	10.6	10.3														
P508-8417S	16.3	19.8	21.5	21.5	21.1	14.4	14.0	623	410	427	344	379	282	256	155	220	125	454	342	380	274

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

AC&R COMPONENTS

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

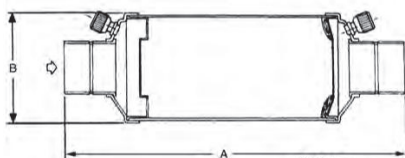
Application:

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.

Specifications:

- Max Working Pressure = 500 psig

NOMENCLATURE - Example: P503-C Standard Capacity Suction Line Filter Driers			
P503-C	16	7	S
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)



Part Number	Connection Size & Type	Dimensions (In)	
		A	B
P503-C165S	5/8 ODF	6.54	2.5
P503-C166S	3/4 ODF	6.95	2.5
P503-C167S	7/8 ODF	7.13	2.5
P503-C305S	5/8 ODF	9.21	3.0
P503-C306S	3/4 ODF	9.63	3.0
P503-C307S	7/8 ODF	9.80	3.0
P503-C309S	1-1/8 ODF	9.80	3.0
P503-C417S	7/8 ODF	9.92	3.5
P503-C419S	1-1/8 ODF	9.92	3.5

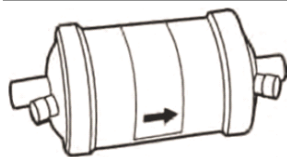
CONNECTIONS, DIMENSIONS, FLOW CAPACITIES* IN REFRIGERANT TONS AT SELECTED EVAPORATOR TEMPERATURES

PART NO	R-134a				R-22					R-502				
	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-C165S	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
P503-C166S	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	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-C305S	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	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	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	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	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	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.

AC&R COMPONENTS

Totaline® High Capacity Suction Line Filter Driers — P503-8 Series



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

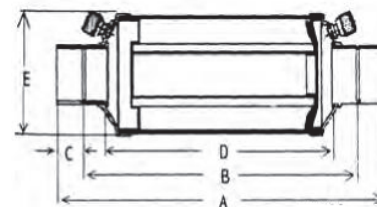
Specifications:

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



NOMENCLATURE - Example: P503-8 High Capacity Suction Line Filter Driers

P503-8	45	7	S
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)



Part Number	Connection Size	Dimensions (In)					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	4-1/8	3-11/16	2
P503-8355S	5/8 ODF	6-17/32	5-9/32	5/8	4-3/4	3-11/16	2-1/2
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	5-9/16	3-11/16	3
P503-8509S	1-1/8 ODF	8-27/32	7-1/32	29/32	6-1/8	3-11/16	3-1/2
P503-87511S	1-3/8 ODF	12-1/4	10-5/16	31/32	8-1/4	3-11/16	5
P503-87513S	1-5/8 ODF	12-5/32	9-29/32	1-1/8	8-1/4	3-11/16	5

CAPACITY TABLE

PART NO	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	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	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
P503-8355S	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	3.8	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	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	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	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	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	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	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	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
P503-8355S	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	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	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	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	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	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

AC&R COMPONENTS

Totaline® Suction Line Filter Drier With Charcoal — P503 Series

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

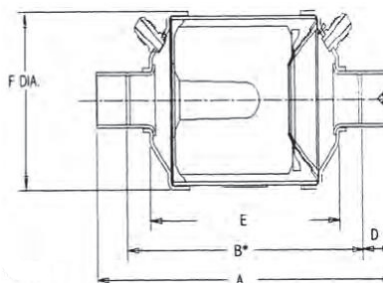
Filtration: 40 microns

UL & CUL Approved: UL file number: SA3124.



NOMENCLATURE - Example: P503-8 Suction Line Filter Driers with Charcoal

P503-8	16	7	S	VB
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)	VB = Dual Access Valves & Charcoal Blend



Part Number	Connection Size	Dimensions (In)					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	4-5/8	3-9/64	2
P503-8167SVB	7/8 ODF	6-15/16	5-7/16	3/4	4-5/8	3-9/64	2
P503-8306SVB	3/4 ODF	9-11/16	8-9/16	5/8	7-1/2	3-9/64	3-3/4
P503-8307SVB	7/8 ODF	9-7/8	8-3/8	3/4	7-1/2	3-9/64	3-3/4
P503-8309SVB	1-1/8 ODF	10-3/16	8-3/8	15/16	7-1/2	3-9/64	3-3/4

*B indicates lay-in length.

CAPACITY TABLE

PART NO	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
P503-8165SVB	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	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	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	3.3	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	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	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	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	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	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	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	3.8	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	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	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

AC&R COMPONENTS

Totaline® Standard Capacity Suction Line Filter Driers— P503-8 Series

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.

Features:

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

Specifications:

Filtration: 40 microns

Max Working Pressure: 400 PSIG

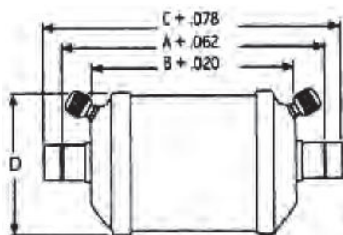
UL & CSA Approved: UL file number: SA3124,

CSA file numbers: LR100624, LR32462



NOMENCLATURE - Example: P503-8 Standard Capacity Suction Line Filter Driers

P503-8	13	7	S	SFD
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)	SFD = Standard Suction Filter Drier



Part Number	Connection Size	Dimensions (In)				Ship WT. (lbs)	Dessicant Volume (Cu in.)
		A	B	C	D		
P503-8134SSFD	1/2 ODF	3-15/16	3-3/8	4-15/16	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

CAPACITY TABLE

PART NO	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
P503-8134SSFD	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
P503-8135SSFD	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	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	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	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	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	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	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	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
P503-8134SSFD	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
P503-8135SSFD	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	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	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	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	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	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	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

AC&R COMPONENTS

Totaline® Suction Line Filter — P507-8 Series (Premium Series)

Application:

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

Features:

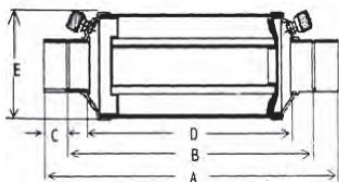
- Solid copper fittings
- Dual Access Valves
- Corrosion Resistant Epoxy Paint Finish

Specifications:

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

NOMENCLATURE - Example: P507-8 Premium Suction Line Filter Driers

P507-8	35	5	S
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)



Part Number	Connection Size & Type	Unit Size (in cu. in.)	Dimensions (In)					Ship WT. (lbs)
			A	B	C	D	E	
P507-8214S	1/2 ODF	28	5-11/16	4-11/16	1/2	4-1/8	3-11/16	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
P507-8569S	1-1/8 ODF	50	8-27/32	7-1/32	29/32	6-1/8	5	3-1/2
P507-89011S	1-3/8 ODF	75	12-1/4	10-5/16	31/32	8-1/4	5	5

CAPACITY TABLE

FLOW CAPACITY IN TONS REFRIGERANT (For kW, Multiply Tons by 3.5)																		
PART NO	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
P507-8214S	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
P507-8355S	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	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	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
P507-8569S	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
P507-89011S	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	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
P507-8214S	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
P507-8355S	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	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	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
P507-8569S	13	8.2	5.6	3.3	1.7	16	10	6.6	3.9	1.9	16	10	6.7	4	2
P507-89011S	16	10	6.8	4.3	2.1	21	13	8.2	4.9	2.4	20	13	8.3	5.1	2.6

AC&R COMPONENTS

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.

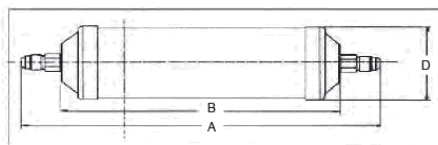
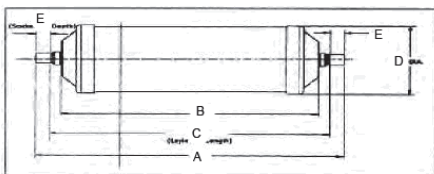
Features:

- 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.

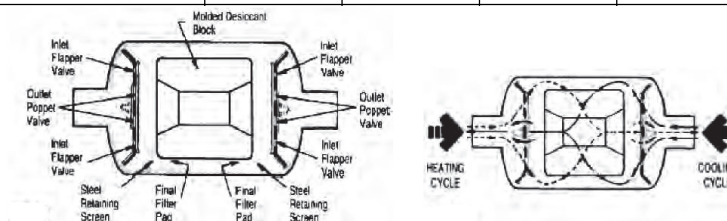
NOMENCLATURE - Example: P504-8 Heat Pump Filter Driers			
P504-8	16	3	S
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)

Specifications:

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



Part Number	Connection Size & Type	Dimensions (In)					Ship WT. (lbs)
		A	B	C	D	E	
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



CAPACITY TABLE

PART NO	FLOW CAPACITY TONS @ 1 PSI			WATER CAPACITY					
				Drops of Water					
				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

AC&R COMPONENTS

Totaline® Bi-Directional Liquid Line Filter — P504-H Series

Application:

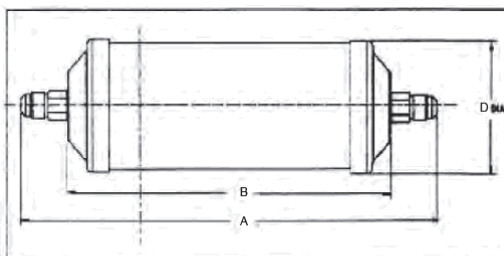
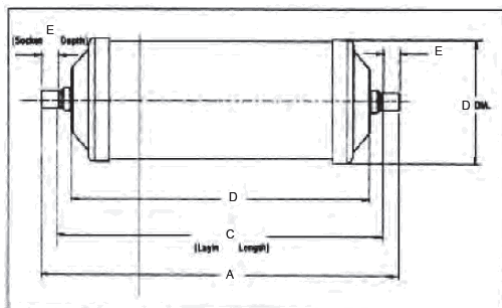
- Bi-Directional Liquid Line Filter Drier for heat pump applications.
- Use with CFC, HCFC, HFC refrigerants.

Features:

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

NOMENCLATURE - Example: P504-H Bi-Directional Liquid Line Filter Driers

P504-H	16	3	S
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)



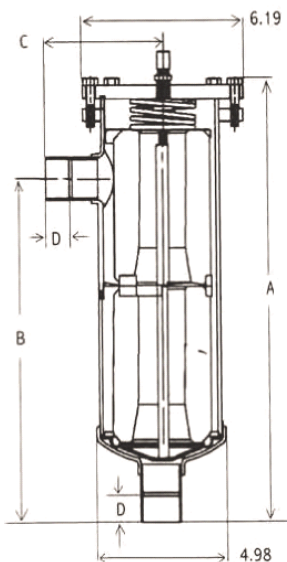
Part Number	Connection Size & Type	Dimensions (In)					Ship WT. (lbs)
		A	B	C	D	E	
P504-H083	3/8 SAE	5.94	3.82	—	2.50	—	1
P504-H083S	3/8 ODF	5.29	3.82	4.48	2.50	0.4	1
P504-H084	1/2 SAE	6.16	3.82	—	2.50	—	1
P504-H084S	1/2 ODF	5.66	2.63	—	—	—	1
P504-H085	5/8 SAE	6.62	3.82	—	2.50	—	1
P504-H085S	5/8 ODF	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-H165S	5/8 ODF	6.39	4.61	5.14	2.50	0.63	3.75

CAPACITY TABLE

PART NO	FLOW CAPACITY		WATER CAPACITY DROPS OF CAPACITY					
	Tons R22/R410A @1 psi Drop	Tons R407C @1 Psi Drop	R22 @ 75°F	R22 @ 125°F	R407C @ 75°F	R407C @ 125°F	R410A @ 75°F	R410A @ 125°F
P504-H083	4.5	4.4	159	144	106	79	85	75
P504-H083S	5.1	5.0						
P504-H084	6.4	6.3						
P504-H085	7.8	7.7						
P504-H085S	8.1	7.9						
P504-H163	4.6	4.5	323	294	237	179	178	160
P504-H163S	5.2	5.1						
P504-H164	7.7	7.6						
P504-H164S	8.1	7.9						
P504-H165	8.3	8.1						
P504-H165S	8.7	8.5						

AC&R COMPONENTS

Totaline® Liquid & Suction Line Replaceable Shells — P505-8 Series



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.

NOMENCLATURE - Example: P505-8 Liquid & Suction Line Replaceable Shells

P505-8	144	13
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")



Part Number	Connection Size & Type	Dimensions (In)				Number Of Blocks	Dessicant Volume (Cu in.)
		A	B	C	D		
P505-8485xx	5/8 ODF	9-15/32	6	3-25/32	5/8	1	48
P505-8487xx	7/8 ODF	9-11/16	6-1/4	3-3/4	25/32	1	48
P505-8489xx	1-1/8 ODF	9-3/4	6-5/16	3-27/32	15/16	1	48
P505-84811xx	1-3/8 ODF	9-27/32	6-7/16	3-31/32	15/16	1	48
P505-84813††	1-5/8 ODF	9-7/8	6-1/2	4-1/32	1-1/8	1	48
P505-84817††	2-1/8 ODF	10-1/16	6-9/16	4-9/16	1-11/32	1	48
P505-84821††	2-5/8 ODF	10-7/16	7-1/32	4-3/4	1-1/2	1	48
P505-8967	7/8 ODF	15-3/16	11-23/32	3-3/4	25/32	2	96
P505-8969	1-1/8 ODF	15-7/32	11-25/32	3-27/32	15/16	2	96
P505-89611	1-3/8 ODF	15-5/16	11-29/32	3-31/32	1-1/32	2	96
P505-89613	1-5/8 ODF	15-3/8	11-31/32	4-1/32	1-1/8	2	96
P505-81449	1-1/8 ODF	21-1/4	17-3/8	3-27/32	15/16	3	144
P505-814411	1-3/8 ODF	21-11/32	17-17/32	3-31/32	1-1/32	3	144
P505-814413	1-5/8 ODF	21-3/8	17-19/32	4-1/32	1-1/8	3	144
P505-814417	2-1/8 ODF	21-9/16	17-5/8	4-9/16	1-11/32	3	144
P505-819211	1-3/8 ODF	26-29/32	23	3-31/32	1-1/32	4	192
P505-819213	1-5/8 ODF	26-15/16	23-1/16	4-1/32	1-1/8	4	192
P505-819217	2-1/8 ODF	27-1/8	23-1/8	4-9/16	1-11/32	4	192
P505-81929	1-1/8 ODF	26-29/32	23	3-31/32	1-1/32	4	192

AC&R COMPONENTS

Totaline® Liquid & Suction Line Replaceable Shells — P505-8 Series

STAS PHYSICAL DATA AND FLOW CAPACITY TABLE

PART NO	FLOW CAPACITY**					
	R-12	R-134a	R-22	R-407C	R-404A/ 507	R-502
P505-8485xx	15	19	21	20	14	13
P505-8487xx	28	35	38	37	25	24
P505-8489xx	40	48	53	51	35	34
P505-84811xx	46	56	61	59	40	39
P505-84813††	--	--	--	--	--	--
P505-84817††	--	--	--	--	--	--
P505-84821††	--	--	--	--	--	--
P505-8967	31	37	41	40	27	26
P505-8969	47	58	63	61	42	40
P505-89611	59	72	79	77	52	51
P505-89613	64	78	85	83	56	55
P505-81449	46	56	61	59	40	39
P505-814411	66	81	88	86	58	57
P505-814413	73	89	97	95	64	63
P505-814417	84	103	112	109	74	72
P505-819211	71	86	94	92	62	61
P505-819213	77	95	103	101	68	66
P505-819217	87	106	115	112	76	74
P505-81929	71	86	84	92	62	61

*Does not include weld bead.

**Flow capacity tons @ 1 PSI Δ P.

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

xx 680 PSIG MWP

AC&R COMPONENTS

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.



NOMENCLATURE - Example: P506-8* Filter Drier Cores	
P506-8*	48
Drier Series	Unit Size (in cu. in.)

*Filter Core Type

Part Number	Recommended Refrigerant	Application	Type	Dimensions (In)			Ship WT. (lbs)
				A	B	C	
P506-8H42	CFC, HCFC	High Acid and Water Removal	Core	6	1.58	3.12	1
P506-8D48	CFC, HCFC	High Acid Removal	Core	5.5	1.77	3.72	1-1/2
P506-8H48	CFC, HCFC	High Acid and Water Removal	Core	5.5	1.77	3.72	1-1/2
P506-8W48	CFC, HCFC, HFC	Burn Out With Charcoal	Core	5.5	1.77	3.72	1-1/2
P506-8H100	CFC, HCFC	High Acid and Water Removal	Core	6.5	2.06	4.81	4
P506-8W100	CFC, HCFC, HFC	Burn Out With Charcoal	Core	6.5	2.06	4.81	4
P506-8F48	CFC, HCFC, HFC	FILTER(Suction Only)	Filter	5.5	1.77	3.72	1-1/2
P506-8RD48	Reclaim Use Only	High Acid Removal	Core	5.5	1.77	3.72	1-1/2
P506-8RH48	Reclaim Use Only	High Acid and Water Removal	Core	5.5	1.77	3.72	1-1/2
P506-8RW48	Reclaim Use Only	Burn Out With Charcoal	Core	5.5	1.77	3.72	1-1/2

ORDERING INFORMATION AND CAPACITY TABLE

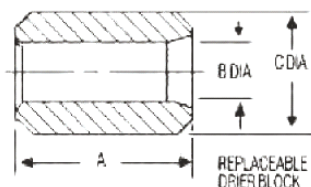
PART NO	DROPS OF WATER											
	R-12		R-134a		R-22		R-407C		R-404A/507		R-502	
	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F
P506-8H42	933	681	686	576	617	491	478	333	724	587	656	519
P506-8D48	810	453	415	340	363	254	225	95	457	343	388	225
P506-8H48	1020	688	676	538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

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	—



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