

LIQUID LINE FILTER DRIER DMH SERIES (BEAD TYPE)

IMAGES



File No. SA33181



Internal View



Filter Drier with SAE connection



Filter Drier with ODF connection

LIQUID LINE FILTER DRIER DMH SERIES (BEAD TYPE)

DRAWINGS



DIMENSIONAL DATA		
DRAWING -1	DRAWING -2	DRAWING -3
DRAWING -4	DRAWING -5	DRAWING -6
DRAWING -7	DRAWING -8	DRAWING -9
DRAWING -10	DRAWING -11	DRAWING -12

Connection Type (Solder)
 Connection Size (1/2")
 Desiccant Quantity (cubic inch)
DMH - 16 4S
 Heavy Duty
 Bead Type (Molecular Sieves)
 Dry All

LIQUID LINE FILTER DRIER DMH SERIES (BEAD TYPE)

MODELS AVAILABLE



SR NO.	MODEL	OUTER DIA ØA		BODY LENGTH B		STOPPER TO STOPPER LENGTH C		OVERALL LENGTH D		CONNECTION TYPE (inch)	REFER DRAWING NO.
		mm	Inch	mm	Inch	mm	Inch	mm	Inch		
1	DMH-032F	Ø 42	Ø 1.6	67	2.64	--	--	113	4.45	1/4" SAE	DRAWING - 1
2	DMH-032MFF					--	--	102	4.00	1/4" SAE (F/M)	DRAWING - 9
3	DMH-032S					97	3.82	117	4.61	1/4" ODF	DRAWING - 2
4	DMHSV-032F					--	--	113	4.45	1/4" SAE	DRAWING - 8
5	DMHSV-032S					97	3.82	117	4.61	1/4" ODF	DRAWING - 7
6	DMH-033F					--	--	121	4.76	3/8" SAE	DRAWING - 1
7	DMH-033S	Ø 63.5	Ø 2.5	78	3.07	97	3.82	117	4.61	3/8" ODF	DRAWING - 2
8	DMH-052F					--	--	124	4.88	1/4" SAE	DRAWING - 3
9	DMH-052S					108	4.25	128	5.04	1/4" ODF	DRAWING - 4
10	DMH-053F					--	--	132	5.20	3/8" SAE	DRAWING - 3
11	DMH-053S					108	4.25	128	5.04	3/8" ODF	DRAWING - 4
12	DMH-053R					--	--	116	4.56	11/16-16 ORFS	DRAWING - 5
13	DMH-082F			99	3.90	--	--	145	5.71	1/4" SAE	DRAWING - 3
14	DMH-082S					129	5.08	149	5.87	1/4" ODF	DRAWING - 4
15	DMH-083F					--	--	153	6.02	3/8" SAE	DRAWING - 3
16	DMH-083S					129	5.08	149	5.87	3/8" ODF	DRAWING - 4
17	DMH-084F			122	4.8	--	--	159	6.26	1/2" SAE	DRAWING - 3
18	DMH-084S					129	5.08	149	5.87	1/2" ODF	DRAWING - 4
19	DMH-163F					--	--	176	6.93	3/8" SAE	DRAWING - 3
20	DMH-163S					152	5.98	172	6.77	3/8" ODF	DRAWING - 4
21	DMH-163R					--	--	160	6.30	11/16-16 ORFS	DRAWING - 5
22	DMH-164F					--	--	182	7.17	1/2" SAE	DRAWING - 3
23	DMH-164S					152	5.98	172	6.77	1/2" ODF	DRAWING - 4
24	DMH-164R					--	--	162	6.38	13/16-16 ORFS	DRAWING - 5
25	DMH-165F					--	--	190	7.48	5/8" SAE	DRAWING - 3
26	DMH-165S					152	5.98	172	6.77	5/8" ODF	DRAWING - 4
27	DMH-165R					--	--	176	6.93	1"-14 ORFS	DRAWING - 5
28	DMHLD-162R	Ø 76.2	Ø 3	110	4.33	--	--	148	5.82	9/16-18 ORFS	DRAWING - 5
29	DMHLD-163F					--	--	164	6.45	3/8" SAE	DRAWING - 3
30	DMHLD-163R					--	--	148	5.82	11/16-16 ORFS	DRAWING - 5
31	DMHLD-163RL			113	4.44	--	--	177	6.97	11/16-16 ORFS	DRAWING - 11
32	DMHLD-164R			110	4.33	--	--	150	5.90	13/16-16 ORFS	DRAWING - 5
33	DMHLD-164 ORF					--	--	176	6.92	1/2" SAE	DRAWING - 10
34	DMH-303F			190	7.48	--	--	244	9.61	3/8" SAE	DRAWING - 3
35	DMH-303S					220	8.66	240	9.45	3/8" ODF	DRAWING - 4
36	DMH-303R					--	--	228	8.98	11/16-16 ORFS	DRAWING - 5
37	DMHL-303-ORN					--	--	244	9.61	3/8" 'O' RING	DRAWING - 12
38	DMH-304F					--	--	250	9.84	1/2" SAE	DRAWING - 3
39	DMH-304S					220	8.66	240	9.45	1/2" ODF	DRAWING - 4
40	DMH-304R					--	--	230	9.05	13/16-16 ORFS	DRAWING - 5
41	DMH-305F					--	--	258	10.16	5/8" SAE	DRAWING - 3
42	DMH-305S					220	8.66	240	9.45	5/8" ODF	DRAWING - 4
43	DMH-305R					--	--	244	9.61	1"-14 ORFS	DRAWING - 5
44	DMH-306F					--	--	264	10.39	3/4" SAE	DRAWING - 3
45	DMH-306S					220	8.66	240	9.45	3/4" ODF	DRAWING - 4
46	DMH-307S*					220	8.66	264	10.39	7/8" ODF	DRAWING - 6
47	DMH-309S*					220	8.66	274	10.79	1-1/8" ODF	DRAWING - 6
48	DMH-412 ORN	Ø 88.9	Ø 3.5	253.6	9.98	--	--	288	11.33	1/4" 'O' RING	DRAWING - 12
49	DMH-413F			198	7.80	--	--	258	10.15	3/8" SAE	DRAWING - 3
50	DMH-413S					228	8.98	248	9.76	3/8" ODF	DRAWING - 4
51	DMH-414F					--	--	258	10.16	1/2" SAE	DRAWING - 3
52	DMH-414S			198	7.79	228	8.98	248	9.76	1/2" ODF	DRAWING - 4
53	DMH-415F					--	--	266	10.47	5/8" SAE	DRAWING - 3
54	DMH-415S					228	8.98	248	9.76	5/8" ODF	DRAWING - 4
55	DMH-415R					--	--	252	9.92	1"-14 ORFS	DRAWING - 5
56	DMH-415-4F					--	--	262	10.31	5/8" SAE (IN) & 1/2" SAE(OUT)	DRAWING - 3
57	DMH-415-4R			188	7.4	--	--	235	9.25	1"-14 ORFS (IN) & 13/16-16 ORFS(OUT)	DRAWING - 5
58	DMH-416-5R			198	7.79	--	--	255	10.03	1"-1/4 ORFS (IN) & 1"-14 ORFS (OUT)	DRAWING - 5
59	DMH-417S*					228	8.98	272	10.71	7/8" ODF	DRAWING - 6
60	DMH-419S*					228	8.98	282	11.10	1-1/8" ODF	DRAWING - 6
61	DMH-757S*			311	12.24	341	13.42	385	15.16	7/8" ODF	DRAWING - 6
62	DMH-759S*					341	13.42	395	15.55	1-1/8" ODF	DRAWING - 6

- 1) INTERNAL ASSEMBLY - BEAD TYPE
- 2) MAXIMUM WORKING PRESSURE - 45 bar (653 psig)
- 3) SAE,ORFS & 'O'RING TYPE CONNECTION ARE IN STEEL,NICKEL PLATED
- 4) ODF TYPE CONNECTION IS IN COPPER
- 5) *MARK CONNECTION STEEL, PLATED

LIQUID LINE FILTER DRIER SELECTION RECOMMENDATIONS DMH

SELECTION RECOMMENDATION



SR NO.	Description	Connections Inlet / outlet	Flow Capacity Ton @ 1psi ΔP (for kw multiply Ton by 3.5)				Water Capacity drops of water																																							
			R-134a	R-22 & R -410A	R - 407C	R-404A & R-507	R-134a		R - 22		R - 407C		R -410A		R - 404A & R - 507																															
							75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F																														
1	DMH - 032F	1/4" SAE	2	2.2	2.1	1.4	41	39	40	35	34	26	22	20	40	39																														
2	DMH - 032MFF	1/4" SAE (F/M)																																												
3	DMHSV - 032F	1/4" SAE																																												
4	DMH - 032S	1/4" ODF	2.7	2.9	2.9	2																																								
5	DMHSV - 032S	1/4" ODF																																												
6	DMH-033F	3/8" SAE																																												
7	DMH - 033S	3/8" ODF	3	3.3	3.2	2.2	121	110	116	99	100	80	66	61	123	110																														
8	DMH - 052F	1/4" SAE																																												
9	DMH - 052S	1/4" ODF																																												
10	DMH - 053F	3/8" SAE	3.5	3.8	3.8	2.5																																								
11	DMH - 053S	3/8" ODF																																												
12	DMH - 053R	11/16-16 ORN																																												
13	DMH - 082F	1/4" SAE	2.4	2.6	2.5	1.9											265	245	250	225	205	165	170	130	275	260																				
14	DMH- 082S	1/4" ODF																																												
15	DMH - 083F	3/8" SAE																																												
16	DMH - 083S	3/8" ODF	4.5	4.9	4.9	3.5																																								
17	DMH - 084F	1/2" SAE																																												
18	DMH - 084S	1/2" ODF																																												
19	DMH - 163F	3/8" SAE	4	4.2	4.2	3	384	348	375	320	312	246	212	194	359	348																														
20	DMH - 163S	3/8" ODF																																												
21	DMH - 163R	11/16-16 ORFS																																												
22	DMH - 164F	1/2" SAE	8.5	9.5	9.2	6.2																																								
23	DMH - 164S	1/2" ODF																																												
24	DMH - 164R	13/16-16ORFS																																												
25	DMH - 165F	5/8" SAE	9.7	10.5	10.3	7											445	410	437	374	367	291	345	238	422	409																				
26	DMH - 165S	5/8" ODF																																												
27	DMH - 165R	1" - 14 ORFS																																												
28	DMHLD - 162R	9/16-18 ORFS	4.2	4.5	4.3	3.2																					681	628	668	572	562	446	528	364	646	625										
29	DMHLD - 163F	3/8" SAE																																												
30	DMHLD - 163R	11/16-16ORFS																																												
31	DMHLD - 163RL	11/16-16ORFS	4.1	4.5	4.3	3.1	962	877	934	797	784	623	733	477	897	872																														
32	DMHLD - 164R	13/16-16 ORFS																																												
33	DMHLD - 164 ORF	1/2" SAE (Groove)																																												
34	DMH - 303F	3/8" SAE	4.5	4.8	4.6	3.5																															2214	2072.00	2194	1905	1855	1496	1490	1140	2068	2072
35	DMH - 303S	3/8" ODF																																												
36	DMH -303R	11/16-16 ORFS																																												
37	DMH -303-ORN	3/8" O RING	4.5	4.8	4.6	3.4											2214	2072.00	2194	1905	1855	1496	1490	1140	2068	2072																				
38	DMH - 304F	1/2" SAE																																												
39	DMH - 304S	1/2" ODF																																												
40	DMH - 304R	13/16-16 ORFS	10.5	9	8.6	6																					2214	2072.00	2194	1905	1855	1496	1490	1140	2068	2072										
41	DMH - 305F	5/8" SAE																																												
42	DMH - 305S	5/8" ODF																																												
43	DMH - 305R	1" -14 ORFS	10.8	11.8	11.3	7.9	2214	2072.00	2194	1905	1855	1496	1490	1140	2068	2072																														
44	DMH - 306F	3/4" SAE																																												
45	DMH - 306S	3/4" ODF																																												
46	DMH - 307S	7/8" ODF	16.9	18.5	17.9	12.5																															2214	2072.00	2194	1905	1855	1496	1490	1140	2068	2072
47	DMH - 309S	1-1/8" ODF																																												
48	DMH - 412 ORN	1/4" O RING																																												
49	DMH - 413F	3/8" SAE	10.2	11.2	11.2	7.4											2214	2072.00	2194	1905	1855	1496	1490	1140	2068	2072																				
50	DMH -413S	3/8" ODF																																												
51	DMH - 414F	1/2" SAE																																												
52	DMH - 414S	1/2" ODF	10.5	11.5	11.5	7.6																					2214	2072.00	2194	1905	1855	1496	1490	1140	2068	2072										
53	DMH - 415F	5/8" SAE																																												
54	DMH - 415S	5/8" ODF																																												
55	DMH - 415R	1-14 ORFS	12.2	13.6	13	8.8	2214	2072.00	2194	1905	1855	1496	1490	1140	2068	2072																														
56	DMH - 415-4F	5/8"SAE(IN) & 1/2" SAE(OUT)																																												
57	DMH - 415-4R	1-14 ORFS (IN) & 13/16-16 ORFS(OUT)																																												
58	DMH - 416-5R	1"-1/4 ORFS (IN) & 1"-14 ORFS (OUT)	12.4	13.8	13.2	9																															2214	2072.00	2194	1905	1855	1496	1490	1140	2068	2072
59	DMH - 417S	7/8" ODF																																												
60	DMH - 419	1-1/8" ODF																																												
61	DMH -757S	7/8"ODF	23.4	25.7	23.8	17.1											2214	2072.00	2194	1905	1855	1496	1490	1140	2068	2072																				
62	DMH- 759S	1-1/8 ODF																																												

LIQUID LINE FILTER DRIER DMHSG SERIES (WITH SIGHT GLASS)

IMAGES & DRAWINGS



File No. SA33181



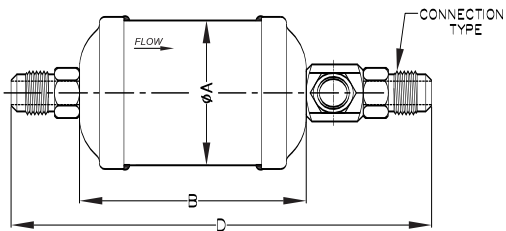
Filter Drier with SAE connection & Sight Glass



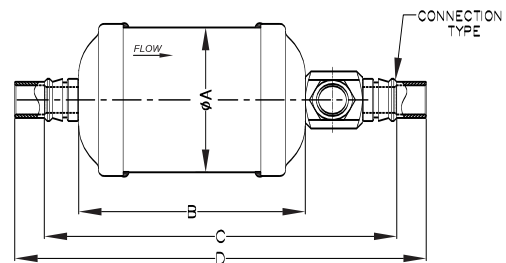
Filter Drier with ODF connection & Sight Glass



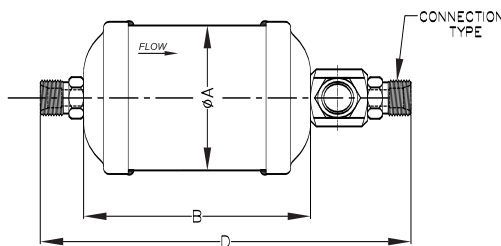
DIMENSIONAL DATA



DRAWING - 1



DRAWING - 2



DRAWING - 3

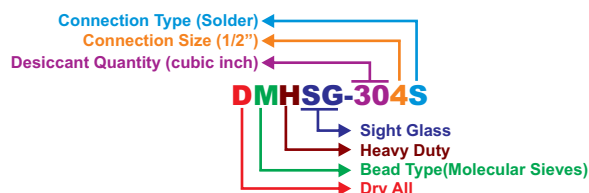
LIQUID LINE FILTER DRIER DMHSG SERIES (WITH SIGHT GLASS)



MODEL AVAILABLE

SR NO.	MODEL	OUTER DIA ØA		BODY LENGTH B		STOPPER TO STOPPER LENGTH C		OVERALL LENGTH D		CONNECTION TYPE (inch)	REFER DRAWING NO.
		mm	inch	mm	inch	mm	inch	mm	inch		
1	DMHSG-052F	Ø63.5	Ø2.5	78	3.07	--	--	162	6.37	1/4" SAE	DRAWING - 1
2	DMHSG-052S*					146	5.75	166	6.54	1/4" ODF	DRAWING - 2
3	DMHSG-053F					--	--	170	6.69	3/8" SAE	DRAWING - 1
4	DMHSG-053S*					146	5.75	166	6.54	3/8" ODF	DRAWING - 2
5	DMHSG-082F			99	3.90	--	--	183	7.21	1/4" SAE	DRAWING - 1
6	DMHSG-082S*					167	6.57	187	7.36	1/4" ODF	DRAWING - 2
7	DMHSG-083F					--	--	191	7.52	3/8" SAE	DRAWING - 1
8	DMHSG-083S*					167	6.57	187	7.36	3/8" ODF	DRAWING - 2
9	DMHSG-084F					--	--	197	7.76	1/2" SAE	DRAWING - 1
10	DMHSG-084S*					167	6.57	193	7.60	1/2" ODF	DRAWING - 2
11	DMHSG-163F			122	4.80	--	--	214	8.43	3/8" SAE	DRAWING - 1
12	DMHSG-163S*					190	7.48	210	8.26	3/8" ODF	DRAWING - 2
13	DMHSG-164F					--	--	220	8.66	1/2" SAE	DRAWING - 1
14	DMHSG-164S*					190	7.48	216	8.51	1/2" ODF	DRAWING - 2
15	DMHSG-164-ORN					--	--	205	8.07	1/2" O-Ring	DRAWING - 3
16	DMHSG-165F					--	--	228	8.98	5/8" SAE	DRAWING - 1
17	DMHSG-165S*					190	7.48	220	8.66	5/8" ODF	DRAWING - 2
18	DMHSG-303F	Ø76.2	Ø3	190	7.48	--	--	282	11.11	3/8" SAE	DRAWING - 1
19	DMHSG-303S*					258	10.16	278	10.95	3/8" ODF	DRAWING - 2
20	DMHSG-304F					--	--	288	11.34	1/2" SAE	DRAWING - 1
21	DMHSG-304S*					258	10.16	284	11.18	1/2" ODF	DRAWING - 2
22	DMHSG-305F					--	--	296	11.66	5/8" SAE	DRAWING - 1
23	DMHSG-305S*					258	10.16	288	11.34	5/8" ODF	DRAWING - 2
24	DMHSG-306F					--	--	302	12.13	3/4" SAE	DRAWING - 1
25	DMHSG-306S*					258	10.16	296	11.66	3/4" ODF	DRAWING - 2
26	DMHSG-307S*					260	10.24	304	11.97	7/8" ODF	DRAWING - 2
27	DMHSG-309S*					260	10.24	314	12.36	1-1/8" ODF	DRAWING - 2
28	DMHSG-414F	Ø88.9	Ø4	196	7.80	--	--	296	11.66	1/2" SAE	DRAWING - 1
29	DMHSG-414S*					266	10.47	292	11.49	1/2" ODF	DRAWING - 2
30	DMHSG-415F					--	--	304	11.97	5/8" SAE	DRAWING - 1
31	DMHSG-415S*					266	10.47	296	11.66	5/8" ODF	DRAWING - 2
32	DMHSG-417S*					268	10.56	312	12.28	7/8" ODF	DRAWING - 2
33	DMHSG-419S*					268	10.56	322	12.67	1-1/8" ODF	DRAWING - 2

- 1) INTERNAL ASSEMBLY - BEAD TYPE
- 2) MAXIMUM WORKING PRESSURE - 45 bar (653 psig)
- 3) SAE,ORFS & 'O-RING TYPE CONNECTION ARE IN STEEL,NICKEL PLATED
- 4) ALL ODF TYPE CONNECTION IS IN STEEL & NICKEL PLATED
- 5) *MARK CONNECTION STEEL, PLATED



LIQUID LINE FILTER DRIER DMHSG SERIES (WITH SIGHT GLASS)

SELECTION RECOMMENDATION



Description	Connections Inlet / outlet	Flow Capacity Ton @ 1psi ΔP (for kw multiply Ton by 3.5)				Water Capacity drops of water									
		R-134a	R-22 & R -410A	R - 407C	R-404A & R-507	R-134a		R - 22		R - 407C		R -410A		R - 404A & R - 507	
						75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F
DMHSG - 052F	1/4" SAE	2.5	2.4	2.5	1.8	121	110	116	99	100	80	66	61	123	110
DMHSG - 052S	1/4" ODF	3.5	3.6	3.5	2.5										
DMHSG - 053F	3/8" SAE	3.5	3.8	3.8	2.5										
DMHSG - 053S	3/8" ODF	4.6	4.8	4.8	3.5										
DMHSG - 082F	1/4" SAE	2.4	2.6	2.5	1.9	265	245	250	225	205	165	170	130	275	260
DMHSG - 082S	1/4" ODF	3	3.5	3.5	2.5										
DMHSG - 083F	3/8" SAE	4	4.5	4.5	3										
DMHSG - 083S	3/8" ODF	4.5	4.9	4.9	3.5										
DMHSG - 084F	1/2" SAE	6.7	7.5	7	5										
DMHSG - 084S	1/2" ODF	7.1	7.7	7.5	5										
DMHSG - 163F	3/8" SAE	4	4.2	4.2	3	384	348	375	320	312	246	212	194	359	348
DMHSG - 163S	3/8" ODF	4.5	4.8	4.7	3.2										
DMHSG - 164F	1/2" SAE	8.5	9.5	9.2	6.2										
DMHSG - 164S	1/2" ODF	8.5	9.5	9	6.2										
DMHSG - 164-ORN	1/2" O - Ring	8.5	9.2	9	6.2										
DMHSG - 165F	5/8" SAE	9.7	10.5	10.3	7										
DMHSG - 165S	5/8" ODF	10.1	10.9	10.7	7.3	681	628	668	572	562	446	528	364	646	625
DMHSG - 303F	3/8" SAE	4.5	4.8	4.6	3.5										
DMHSG - 303S	3/8" ODF	6.4	6.8	6.7	4.8										
DMHSG - 304F	1/2" SAE	8.5	9	8.6	6										
DMHSG - 304S	1/2" ODF	10.5	10.9	10.6	7.5										
DMHSG - 305F	5/8" SAE	10.8	11.8	11.3	7.9										
DMHSG - 305S	5/8" ODF	10.8	11.8	11.3	7.9										
DMHSG - 306F	3/4" SAE	15	16.5	15.7	7.9										
DMHSG - 306S	3/4" ODF	15	16.5	15.7	10.9										
DMHSG - 307S	7/8" ODF	16.9	18.5	17.9	12.5										
DMHSG - 309S	1-1/8" ODF	19.9	21.5	20.8	14.5	962	877	934	797	784	623	733	477	897	872
DMHSG - 414F	1/2" SAE	10.5	11.5	11.5	7.6										
DMHSG - 414S	1/2" ODF	10.9	11.8	11.8	7.9										
DMHSG - 415F	5/8" SAE	12.5	13.5	12.6	8.8										
DMHSG - 415S	5/8" ODF	12.2	13.6	13	8.8										
DMHSG - 417S	7/8" ODF	20.5	22.5	21.8	14.9										
DMHSG - 419S	1-1/8" ODF	27.8	30.5	29.8	20.5										

All ratings are in accordance with ANSI/AHRI Standard 710-2009

1. Water Capacities are based on following standard rating conditions :

Water in refrigerant at EPD for :

R-134a/R-407C/R-410A/R-404A/R-507A is 50 ppm,

R-22 is 60 ppm.

2. Flow Capacities are based on following standard rating conditions :

Flow Rate per Ton of Refrigeration at 86°F Liquid & 5.0°F Saturated Vapor for :

R-134a is 3.1 lb/min/ton,

R-407C is 3.0 lb/min/ton,

R-410A is 2.8 lb/min/ton,

R-404A is 4.1 lb/min/ton,

R-507A is 4.2 lb/min/ton,

R-22 is 3.0 lb/min/ton.

LIQUID LINE FILTER DRIER
DCH SERIES (SOLID CORE TYPE)

IMAGES



File No. SA33181



LIQUID LINE FILTER DRIER DCH SERIES (SOLID CORE TYPE)

DRAWINGS



DIMENSIONAL DATA		
DRAWING -1	DRAWING -2	DRAWING -3
DRAWING -4	DRAWING -5	DRAWING -6
DRAWING -7	DRAWING -8	DRAWING -9
DRAWING -10	DRAWING -11	DRAWING -12

Connection Type (Flare) ←
 Connection Size (1/2") ←
 Desiccant Quantity (cubic inch) ←
DCH - 16 4F
 → Heavy Duty
 → Core Type
 → Dry All

LIQUID LINE FILTER DRIER DCH SERIES (SOLID CORE TYPE)

MODELS AVAILABLE



SR NO.	MODEL	OUTER DIA ØA		BODY LENGTH B		STOPPER TO STOPPER LENGTH C		OVERALL LENGTH D		CONNECTION TYPE (inch)	REFER DRAWING NO.
		mm	Inch	mm	Inch	mm	Inch	mm	Inch		
1	DCH-032F	Ø 42	Ø 1.6	67	2.64	--	--	113	4.45	1/4" SAE	DRAWING - 1
2	DCH-032MFF					--	--	102	4.01	1/4" (F/M)	DRAWING - 9
3	DCH-032S					97	3.82	117	4.61	1/4" ODF	DRAWING - 2
4	DCHSV-032F					--	--	113	4.45	1/4" SAE	DRAWING - 8
5	DCHSV-032S					97	3.82	117	4.61	1/4" ODF	DRAWING - 7
6	DCH-033F					--	--	121	4.76	3/8" SAE	DRAWING - 1
7	DCH-033S	Ø 63.5	Ø 2.5	78	3.07	97	3.82	117	4.61	3/8" ODF	DRAWING - 2
8	DCH-052F					--	--	124	4.88	1/4" SAE	DRAWING - 3
9	DCH-052S					108	4.25	128	5.04	1/4" ODF	DRAWING - 4
10	DCH-053F					--	--	132	5.20	3/8" SAE	DRAWING - 3
11	DCH-053S					108	4.25	128	5.04	3/8" ODF	DRAWING - 4
12	DCH-053R					--	--	116	4.56	11/16-16 ORFS	DRAWING - 5
13	DCH-082F			99	3.90	--	--	145	5.71	1/4" SAE	DRAWING - 3
14	DCH-082S					129	5.08	149	5.87	1/4" ODF	DRAWING - 4
15	DCH-083F					--	--	153	6.02	3/8" SAE	DRAWING - 3
16	DCH-083S					129	5.08	149	5.87	3/8" ODF	DRAWING - 4
17	DCH-084F					--	--	159	6.26	1/2" SAE	DRAWING - 3
18	DCH-084S					129	5.08	149	5.87	1/2" ODF	DRAWING - 4
19	DCH-163F			122	4.80	--	--	176	6.93	3/8" SAE	DRAWING - 3
20	DCH-163S					152	5.98	172	6.77	3/8" ODF	DRAWING - 4
21	DCH-163R					--	--	160	6.30	11/16-16 ORFS	DRAWING - 5
22	DCH-164F					--	--	182	7.17	1/2" SAE	DRAWING - 3
23	DCH-164S					152	5.98	172	6.77	1/2" ODF	DRAWING - 4
24	DCH-164R					--	--	162	6.38	13/16-16 ORFS	DRAWING - 5
25	DCH-165F					--	--	190	7.48	5/8" SAE	DRAWING - 3
26	DCH-165S					152	5.98	172	6.77	5/8" ODF	DRAWING - 4
27	DCH-165R					--	--	176	6.93	1"-14 ORFS	DRAWING - 5
28	DCHLD-162R			110	4.33	--	--	148	5.83	9/16-16 ORFS	DRAWING - 5
29	DCHLD-163F					--	--	164	6.46	3/8" SAE	DRAWING - 3
30	DCHLD-163R					--	--	148	5.83	11/16-16 ORFS	DRAWING - 5
31	DCHLD-163RL					--	--	177	6.97	11/16-16 ORFS	DRAWING - 12
32	DCHLD-164R			110	4.33	--	--	150	5.91	13/16-16 ORFS	DRAWING - 5
33	DCHLD-164-ORF	Ø 76.2	Ø 3	190	7.48	--	--	176	6.93	1/2" SAE	DRAWING - 10
34	DCH-303F					--	--	244	9.61	3/8" SAE	DRAWING - 3
35	DCH-303S					220	8.66	240	9.45	3/8" ODF	DRAWING - 4
36	DCH-303R					--	--	228	8.98	11/16-16 ORFS	DRAWING - 5
37	DCH-303ORN					--	--	244	9.61	3/8" 'O' RING	DRAWING - 11
38	DCH-304F					--	--	250	9.84	1/2" SAE	DRAWING - 3
39	DCH-304S					220	8.66	240	9.45	1/2" ODF	DRAWING - 4
40	DCH-304R					--	--	230	9.06	13/16-16 ORFS	DRAWING - 5
41	DCH-304 ORF					--	--	256	10.08	1/2" SAE (Groove)	DRAWING - 10
42	DCH-305F					--	--	258	10.16	5/8" SAE	DRAWING - 3
43	DCH-305S					220	8.66	240	9.45	5/8" ODF	DRAWING - 4
44	DCH-305R					--	--	244	9.61	1"-14 ORFS	DRAWING - 5
45	DCH-305 ORN					--	--	250	9.84	5/8" 'O' RING	DRAWING - 11
46	DCH-306F					--	--	264	10.39	3/4" SAE	DRAWING - 3
47	DCH-306S					220	8.66	240	9.45	3/4" ODF	DRAWING - 4
48	DCH-307S*					220	8.66	264	10.39	7/8" ODF	DRAWING - 6
49	DCH-309S*					220	8.66	274	10.79	1-1/8" ODF	DRAWING - 6
50	DCH-413F	Ø 88.9	Ø 3.5	198	7.80	--	--	258	10.15	3/8" SAE	DRAWING - 3
51	DCH-413S					224.3	8.83	248	9.76	3/8" ODF	DRAWING - 4
52	DCH-414-ORF			188	7.40	--	--	254	10.00	1/2" SAE (Flare Groove)	DRAWING - 10
53	DCH-414F			198	7.80	--	--	258	10.16	1/2" SAE	DRAWING - 3
54	DCH-414S					228	8.98	248	9.76	1/2" ODF	DRAWING - 4
55	DCH-415F					--	--	266	10.47	5/8" SAE	DRAWING - 3
56	DCH-415S					228	8.98	248	9.76	5/8" ODF	DRAWING - 4
57	DCH-415-4F					--	--	262	10.31	5/8" SAE (IN) & 1/2" SAE(OUT)	DRAWING - 3
58	DCH-415-4R			188	7.40	--	--	235	9.25	1"-14 ORFS(IN) & 13/16-16 ORFS(OUT)	DRAWING - 5
59	DCH-416-5R			198	7.80	--	--	255	10.04	1"-1/4 ORFS(IN) & 1"-14ORFS(OUT)	DRAWING - 5
60	DCH-417S*					228	8.98	272	10.71	7/8" ODF	DRAWING - 6
61	DCH-419S*					228	8.98	282	11.10	1-1/8" ODF	DRAWING - 6
62	DCH-757S*			311	12.24	341	13.43	385	15.16	7/8" ODF	DRAWING - 6
63	DCH-759S*					341	13.43	398	15.67	1-1/8" ODF	DRAWING - 6

- 1) INTERNAL ASSEMBLY - CORE TYPE
- 2) MAXIMUM WORKING PRESSURE - 45 bar (653 psig)
- 3) SAE,ORFS & 'O'RING TYPE CONNECTION ARE IN STEEL,NICKEL PLATED
- 4) ODF TYPE CONNECTION IS IN COPPER
- 5) *MARK CONNECTION STEEL, PLATED

LIQUID LINE FILTER DRIER SELECTION RECOMMENDATIONS DCH



SELECTION RECOMMENDATION

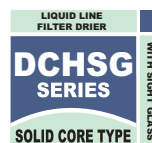
SR NO.	Description	Connections Inlet / outlet	Flow Capacity Ton @ 1psi ΔP (for kw multiply Ton by 3.5)				Water Capacity drops of water									
			R-134a	R-22 & R -410A	R - 407C	R-404A & R-507	R-134a		R - 22		R - 407C		R -410A		R - 404A & R - 507	
							75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F
1	DCH - 032F	1/4" SAE	2	2	2	1.42	80	74	75	69	63	52	53	42	82	78
2	DCH - 032FF	1/4" SAE (F/M)														
3	DCH - 032S	1/4" ODF														
4	DCHSV - 032F	1/4" SAE														
5	DCHSV - 032S	1/4" ODF														
6	DCH-033F	3/8" SAE	4.85	4.85	5.42	3.7										
7	DCH - 033S	3/8" ODF														
8	DCH - 052F	1/4" SAE														
9	DCH - 052S	1/4" ODF														
10	DCH - 053F	3/8" SAE														
11	DCH - 053S	3/8" ODF	5.14	5.42	5.42	4	201	186	186	136	156	126	131	101	206	196
12	DCH - 053R	11/16-16 ORFS														
13	DCH - 082F	1/4" SAE														
14	DCH- 082S	1/4" ODF														
15	DCH - 083F	3/8" SAE														
16	DCH - 083S	3/8" ODF	5.42	6	6	4	265	245	250	225	205	165	170	130	275	260
17	DCH - 084F	1/2" SAE														
18	DCH - 084S	1/2" ODF														
19	DCH - 163F	3/8" SAE														
20	DCH - 163S	3/8" ODF														
21	DCH - 163R	11/16-16 ORFS	6.2	6.8	6.8	4.57	396	366	271	336	306	246	256	196	406	286
22	DCH - 164F	1/2" SAE														
23	DCH - 164S	1/2" ODF														
24	DCH - 164R	13/16-16ORFS														
25	DCH - 165F	5/8" SAE														
26	DCH - 165S	5/8" ODF	12.2	13.4	13.4	8.57										
27	DCH - 165R	1" - 14 ORFS														
28	DCHLD - 162R	9/16-18 ORFS														
29	DCHLD - 163F	3/8" SAE														
30	DCHLD - 163R	11/16-16ORFS														
31	DCHLD - 163RL	11/16-16ORFS	9.6	10.5	10.5	7.4	490	463	360	342	400	364	350	314	672	364
32	DCHLD - 164R	13/16-16 ORFS														
33	DCHLD - 164 ORF	1/2" SAE														
34	DCH - 303F	3/8" SAE														
35	DCH - 303S	3/8" ODF														
36	DCH - 303R	11/16-16 ORFS	6	6.57	6.57	4.28	877	812	822	752	687	552	567	432	907	857
37	DCH -303-ORN	3/8" O RING														
38	DCH - 304F	1/2" SAE														
39	DCH - 304S	1/2" ODF														
40	DCH - 304R	13/16-16 ORFS														
41	DCH-304 ORF	1/2" SAE (Groove)	8.85	9.71	9.71	6.28										
42	DCH - 305F	5/8" SAE														
43	DCH - 305S	5/8" ODF														
44	DCH - 305R	1" -14 ORFS														
45	DCH-305 ORN	5/8" O' Ring														
46	DCH - 306F	3/4" SAE	17.71	19.42	19.42	12.85										
47	DCH - 306S	3/4" ODF														
48	DCH - 307S*	7/8" ODF														
49	DCH - 309S*	1-1/8" ODF														
50	DCH - 413F	3/8" SAE														
51	DCH -413S	3/8" ODF	9	10.2	10.2	6.5										
52	DCH-414-ORF	1/2" SAE (Flare Groove)														
53	DCH - 414F	1/2" SAE														
54	DCH - 414S	1/2" ODF														
55	DCH - 415F	5/8" SAE														
56	DCH - 415S	5/8" ODF	15.14	16.57	16.57	10.57										
57	DCH - 415-4F	5/8"SAE(IN) & 1/2 SAE(OUT)														
58	DCH - 415-4R	1-14 ORFS (IN) & 13/16-16 ORFS(OUT)														
59	DCH - 416-SR	1"-1/4 ORFS (IN) & 1"-14 ORFS (OUT)														
60	DCH-417S*	7/8" ODF														
61	DCH-419*	1-1/8" ODF	26	28.57	28.57	18.57										
62	DCH - 757S*	7/8"ODF														
63	DCH- 759S*	1-1/8" ODF	23.4	26	25.7	17.14	2106	1946.00	1962	1806	1641	1316	1356	1036	2176	2056
			26.8	29.7	29.2	19.40										

LIQUID LINE FILTER DRIER DCHSG SERIES (WITH SIGHT GLASS)

IMAGES & DRAWINGS



File No. SA33181



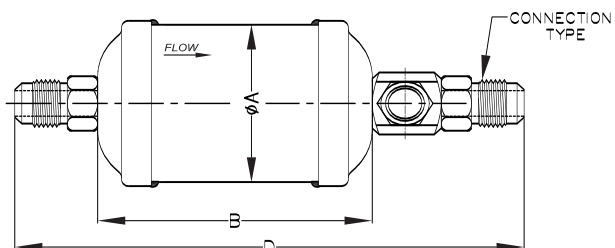
Filter Drier with SAE connection & Sight Glass



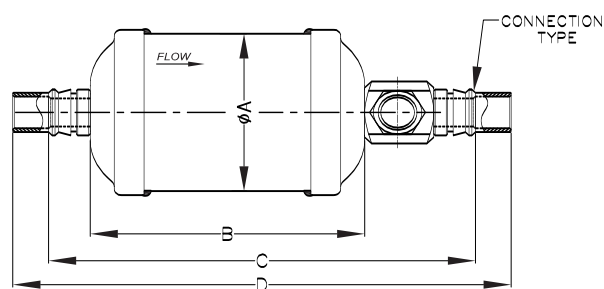
Filter Drier with ODF connection & Sight Glass



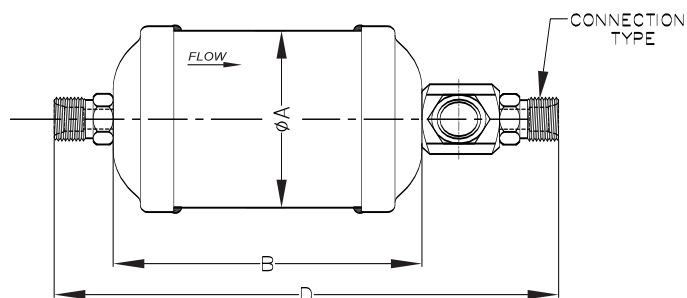
DIMENSIONAL DATA



DRAWING - 1



DRAWING - 2



DRAWING - 3

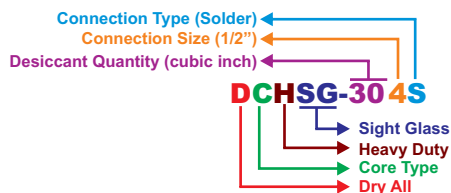
LIQUID LINE FILTER DRIER DCHSG SERIES (WITH SIGHT GLASS)

MODELS AVAILABLE



SR NO.	MODEL	OUTER DIA ØA		BODY LENGTH B		STOPPER TO STOPPER LENGTH C		OVERALL LENGTH D		CONNECTION TYPE (inch)	REFER DRAWING NO.
		mm	Inch	mm	Inch	mm	Inch	mm	Inch		
1	DCHSG-052F	Ø 63.5	Ø 2.5	78	3.07	--	--	162	6.38	1/4" SAE	DRAWING - 1
2	DCHSG-052S*					146	5.75	166	6.54	1/4" ODF	DRAWING - 2
3	DCHSG-053F					--	--	170	6.69	3/8" SAE	DRAWING - 1
4	DCHSG-053S*					146	5.75	166	6.54	3/8" ODF	DRAWING - 2
5	DCHSG-082F			99	3.90	--	--	183	7.20	1/4" SAE	DRAWING - 1
6	DCHSG-082S*					167	6.57	187	7.36	1/4" ODF	DRAWING - 2
7	DCHSG-083F					--	--	191	7.52	3/8" SAE	DRAWING - 1
8	DCHSG-083S*					167	6.57	187	7.36	3/8" ODF	DRAWING - 2
9	DCHSG-084F					--	--	197	7.76	1/2" SAE	DRAWING - 1
10	DCHSG-084S*					167	6.57	193	7.60	1/2" ODF	DRAWING - 2
11	DCHSG-163F			122	4.80	--	--	214	8.43	3/8" SAE	DRAWING - 1
12	DCHSG-163S*					190	7.48	210	8.27	3/8" ODF	DRAWING - 2
13	DCHSG-164F					--	--	220	8.66	1/2" SAE	DRAWING - 1
14	DCHSG-164S*					190	7.48	216	8.50	1/2" ODF	DRAWING - 2
15	DCHSG-164-ORFN					--	--	205	8.07	1/2" O-Ring	DRAWING - 3
16	DCHSG-165F					--	--	228	8.98	5/8" SAE	DRAWING - 1
17	DCHSG-165S*					190	7.48	220	8.66	5/8" ODF	DRAWING - 2
18	DCHLDSGLL-163R	Ø 76.2	Ø 3	129	5.07	--	--	205	8.07	11/16-16 ORFS	DRAWING - 3
19	DCHSG-303F			190	7.48	--	--	282	11.10	3/8" SAE	DRAWING - 1
20	DCHSG-303S*					258	10.16	278	10.94	3/8" ODF	DRAWING - 2
21	DCHSG-304F					--	--	288	11.34	1/2" SAE	DRAWING - 1
22	DCHSG-304S*					258	10.16	284	11.18	1/2" ODF	DRAWING - 2
23	DCHSG-305F					--	--	296	11.65	5/8" SAE	DRAWING - 1
24	DCHSG-305S*					258	10.16	288	11.34	5/8" ODF	DRAWING - 2
25	DCHSG-306F					--	--	308	12.13	3/4" SAE	DRAWING - 1
26	DCHSG-306S*					258	10.16	296	11.65	3/4" ODF	DRAWING - 2
27	DCHSG-307S*					260	10.24	304	11.97	7/8" ODF	DRAWING - 2
28	DCHSG-309S*					260	10.24	314	12.36	1-1/8" ODF	DRAWING - 2
29	DCHSG-414F	Ø 88.9	Ø 3.5	198	7.80	--	--	296	11.65	1/2" SAE	DRAWING - 1
30	DCHSG-414S*					266	10.47	292	11.50	1/2" ODF	DRAWING - 2
31	DCHSG-415F					--	--	304	11.97	5/8" SAE	DRAWING - 1
32	DCHSG-415S*					266	10.47	296	11.65	5/8" ODF	DRAWING - 2
33	DCHSG-417S*					268	10.55	312	12.28	7/8" ODF	DRAWING - 2
34	DCHSG-419S*					268	10.55	322	12.68	1-1/8" ODF	DRAWING - 2

- 1) INTERNAL ASSEMBLY - CORE TYPE
- 2) MAXIMUM WORKING PRESSURE - 45 bar (653 psig)
- 3) SAE,ORFS & 'O'RING TYPE CONNECTION ARE IN STEEL,NICKEL PLATED
- 4) ALL ODF TYPE CONNECTION IS IN STEEL & NICKEL PLATED
- 5) *MARK CONNECTION STEEL, PLATED



LIQUID LINE FILTER DRIER DCHSG SERIES (WITH SIGHT GLASS)

SELECTION RECCOMENDATION



SR NO.	Description	Connections Inlet/outlet	Flow Capacity Ton @ 1psi ΔP (for kw multiply Ton by 3.5)				Water Capacity drops of water									
			R-134a	R-22 & R -410A	R - 407C	R-404A & R-507	R-134a		R - 22		R - 407C		R -410A		R - 404A & R - 507	
							75°F	125° F	75°F	125° F	75°F	125° F	75°F	125° F	75°F	125° F
1	DCHSG - 052F	1/4" SAE	2	2.28	2.28	1.42	201	186	186	136	156	126	131	101	206	196
2	DCHSG - 052S	1/4" ODF														
3	DCHSG - 053F	3/8" SAE														
4	DCHSG - 053S	3/8" ODF	5.14	5.42	5.42	4	265	245	250	225	205	165	170	130	275	260
5	DCHSG - 082F	1/4" SAE	2	2.28	2.28	1.42										
6	DCHSG -082S	1/4" ODF														
7	DCHSG - 083F	3/8" SAE														
8	DCHSG - 083S	3/8" ODF	5.42	6	6	4	396	366	271	336	306	246	256	196	406	286
9	DCHSG - 084F	1/2" SAE	7.42	8.28	8.28	5.71										
10	DCHSG - 084S	1/2" ODF														
11	DCHSG - 163F	3/8" SAE					6.2	6.8	6.8	4.57						
12	DCHSG - 163S	3/8" ODF														
13	DCHSG - 164F	1/2" SAE	8.5	9.4	9.4	6.2										
14	DCHSG - 164S	1/2" ODF														
15	DCHSG - 164-ORN	13/16-16ORFS					12.2	13.4	13.4	8.57						
16	DCHSG - 165F	5/8" SAE														
17	DCHSG- 165S	5/8" ODF														
18	DCHLDSGLL - 163R	11/16-16 ORFS	9.6	10.5	10.5	7.4	490	463	360	342	400	364	350	314	672	364
19	DCHSG - 303F	3/8" SAE	6	6.57	6.57	4.28	877	812	822	752	687	552	567	432	907	857
20	DCHSG - 303S	3/8" ODF														
21	DCHSG - 304F	1/2" SAE														
22	DCHSG - 304S	1/2" ODF														
23	DCHSG - 305F	5/8" SAE	12.85	14	14	9.42										
24	DCHSG - 305S	5/8" ODF														
25	DCHSG - 306F	3/4" SAE					17.71	19.42	19.42	12.85						
26	DCHSG - 306S	3/4" ODF														
27	DCHSG - 307S*	7/8" ODF	17.71	19.42	19.42	12.85										
28	DCHSG - 309S*	1-1/8" ODF														
29	DCHSG - 414F	1/2" SAE					9.14	10	10	6.57						
30	DCHSG - 414S	1/2" ODF														
31	DCHSG - 415F	5/8" SAE	15.14	16.57	16.57	10.57										
32	DCHSG - 415S	5/8" ODF														
33	DCHSG-417S*	7/8" ODF					26	28.57	28.57	18.57						
34	DCHSG-419*	1-1/8" ODF														

All ratings are in accordance with ANSI/AHRI Standard 710-2009

1. Water in refrigerant at EPD for :

R-134a/R-407C/R-410A/R-404A/R-507A is 50 ppm,
R-22 is 60 ppm.

2. Flow Capacities are based on following standard rating

Flow Rate per Ton of Refrigeration at 86°F Liquid & 5.0°F Saturated Vapor for :

R-134a is 3.1 lb/min/ton,

R-407C is 3.0 lb/min/ton,

R-410A is 2.8 lb/min/ton,

R-404A is 4.1 lb/min/ton,

R-507A is 4.2 lb/min/ton,

R-22 is 3.0 lb/min/ton.

SUCTION LINE FILTER DRIER DCHSF SERIES (SOLID CORE TYPE)

IMAGES & DRAWINGS



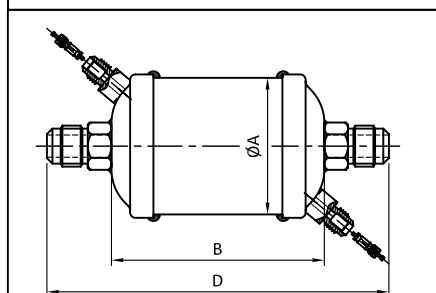
Dry All®



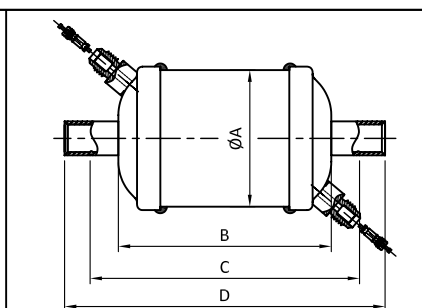
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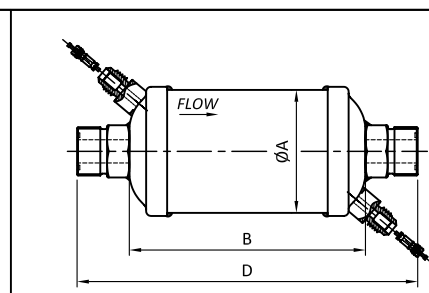
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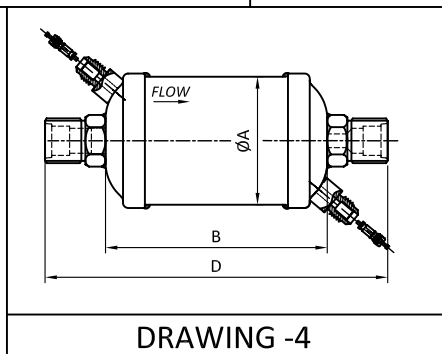
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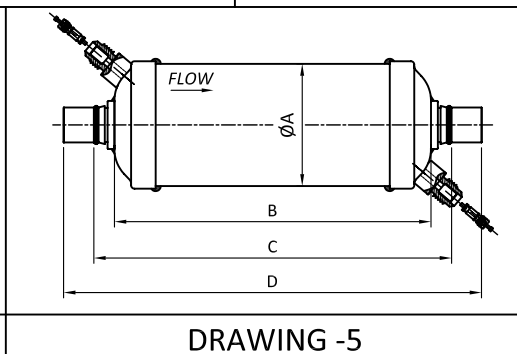
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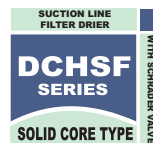
DRAWING -4



DRAWING -5

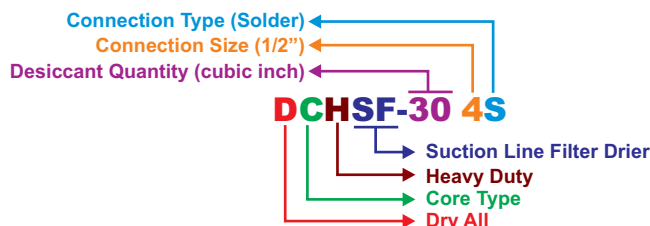
SUCTION LINE FILTER DRIER DCHSF SERIES (SOLID CORE TYPE)

MODELS AVAILABLE



SR NO.	MODEL	OUTER DIA ØA		BODY LENGTH B		STOPPER TO STOPPER LENGTH C		OVERALL LENGTH D		CONNECTION TYPE (inch)	REFER DRAWING NO.
		mm	Inch	mm	Inch	mm	Inch	mm	Inch		
1	DCHSF-052F	Ø 63.5	Ø 2.5	78	3.07	--	--	124	4.88	1/4" SAE	DRAWING - 1
2	DCHSF-052S					108	4.25	128	5.04	1/4" ODF	DRAWING - 2
3	DCHSF-053F					--	--	132	5.20	3/8" SAE	DRAWING - 1
4	DCHSF-053S					108	4.25	128	5.04	3/8" ODF	DRAWING - 2
5	DCHSF-082F			99	3.90	--	--	145	5.71	1/4" SAE	DRAWING - 1
6	DCHSF-082S					129	5.08	149	5.87	1/4" ODF	DRAWING - 2
7	DCHSF-083F					--	--	153	6.02	3/8" SAE	DRAWING - 1
8	DCHSF-083S					129	5.08	149	5.87	3/8" ODF	DRAWING - 2
9	DCHSF-084F					--	--	159	6.26	1/2" SAE	DRAWING - 1
10	DCHSF-084S					129	5.08	149	5.87	1/2" ODF	DRAWING - 2
11	DCHSF-163F			122	4.80	--	--	176	6.93	3/8" SAE	DRAWING - 1
12	DCHSF-163S					152	5.98	172	6.77	3/8" ODF	DRAWING - 2
13	DCHSF-163R					--	--	160	6.29	11/16-16ORFS	DRAWING - 3
14	DCHSF-163ORN					--	--	176	6.92	3/8" O RING	DRAWING - 4
15	DCHSF-164F					--	--	182	7.17	1/2" SAE	DRAWING - 1
16	DCHSF-164S					152	5.98	172	6.77	1/2" ODF	DRAWING - 2
17	DCHSF-164R					--	--	170	6.69	13/16-16ORFS	DRAWING - 3
18	DCHSF-165F					--	--	190	7.48	5/8" SAE	DRAWING - 1
19	DCHSF-165S					152	5.98	172	6.77	5/8" ODF	DRAWING - 2
20	DCHSF-165R					--	--	170	6.69	1"-14 ORFS	DRAWING - 3
21	DCHSF-303F	Ø 76.2	Ø 3	190	7.48	--	--	244	9.61	3/8" SAE	DRAWING - 1
22	DCHSF-303S					220	8.66	240	9.45	3/8" ODF	DRAWING - 2
23	DCHSF-303R					--	--	228	8.97	11/16-16ORFS	DRAWING - 3
24	DCHSF-303ORN					--	--	244	9.60	3/8" O RING	DRAWING - 4
25	DCHSF-304F					--	--	250	9.84	1/2" SAE	DRAWING - 1
26	DCHSF-304S					220	8.66	240	9.45	1/2" ODF	DRAWING - 2
27	DCHSF-304R					--	--	238	9.37	13/16-16ORFS	DRAWING - 3
28	DCHSF-305F					--	--	258	10.16	5/8" SAE	DRAWING - 1
29	DCHSF-305S					220	8.66	240	9.45	5/8" ODF	DRAWING - 2
30	DCHSF-305R					--	--	244	9.61	1"-14 ORFS	DRAWING - 3
31	DCHSF-306F					--	--	270	10.63	3/4" SAE	DRAWING - 1
32	DCHSF-306S					220	8.66	240	9.45	3/4" ODF	DRAWING - 2
33	DCHSF-307S*					220	8.66	264	10.39	7/8" ODF	DRAWING - 5
34	DCHSF-309S*					220	8.66	274	10.79	1 1/8" ODF	DRAWING - 5
35	DCHSF-414F	Ø 88.9	Ø 3.5	198	7.80	--	--	258	10.16	1/2" SAE	DRAWING - 1
36	DCHSF-414S					228	8.98	248	9.76	1/2" ODF	DRAWING - 2
37	DCHSF-415F					--	--	266	10.47	5/8" SAE	DRAWING - 1
38	DCHSF-415S					228	8.98	248	9.76	5/8" ODF	DRAWING - 2
39	DCHSF-415-4F					--	--	262	10.31	1/2" SAE(OUT)&5/8 SAE(IN)	DRAWING - 1
40	DCHSF-415-4R					--	--	235	9.25	13/16-16ORFS(OUT) & 1"-14 ORFS(IN)	DRAWING - 3
41	DCHSF-417S*					228	8.98	272	10.71	7/8" ODF	DRAWING - 5
42	DCHSF-419S*					228	8.98	282	11.10	1-1/8" ODF	DRAWING - 5

- INTERNAL ASSEMBLY - CORE TYPE
- MAXIMUM WORKING PRESSURE - 35 bar (508 psig)
- SAE,ORFS & 'O'RING TYPE CONNECTION ARE IN STEEL,NICKEL PLATED
- ODF TYPE CONNECTION IS IN COPPER
- * MARK CONNECTION STEEL, PLATED



SUCTION LINE FILTER DRIER DCHSF SERIES (SOLID CORE TYPE)



SELECTION RECOMMENDATION

SR NO.	Description	Connections Inlet/ outlet	Flow Capacity Ton @ 1psi ΔP (for kw multiply Ton by 3.5)				Water Capacity drops of water																																							
			R-134a	R-22 & R -410A	R - 407C	R-404A & R-507	R-134a		R - 22		R - 407C		R -410A		R - 404A & R - 507																															
							75°F	125° F	75°F	125° F	75°F	125° F	75°F	125° F	75°F	125° F																														
1	DCHSF - 052F	1/4" SAE	2	2.28	2.28	1.42	201	186	186	136	156	126	131	101	206	196																														
2	DCHSF - 052S	1/4" ODF																																												
3	DCHSF - 053F	3/8" SAE	5.14	5.42	5.42	4																																								
4	DCHSF - 053S	3/8" ODF																																												
5	DCHSF - 082F	1/4" SAE	2	2.28	2.28	1.42	265	245	250	225	205	165	170	130	275	260																														
6	DCHSF - 082S	1/4" ODF																																												
7	DCHSF - 083F	3/8" SAE	5.42	6	6	4																																								
8	DCHSF - 083S	3/8" ODF																																												
9	DCHSF - 084F	1/2" SAE	7.42	8.28	8.28	5.71																																								
10	DCHSF - 084S	1/2" ODF																																												
11	DCHSF - 163F	3/8" SAE	6.2	6.8	6.8	4.57	396	366	271	336	306	246	256	196	406	286																														
12	DCHSF - 163S	3/8" ODF																																												
13	DCHSF - 163R	11/16-16 ORFS																																												
14	DCHSF-163ORN	3/8 "O" Ring																																												
15	DCHSF- 164F	1/2" SAE	8.5	9.4	9.4	6.2																																								
16	DCHSF - 164S	1/2" ODF																																												
17	DCHSF - 164R	13/16-16ORFS	12.2	13.4	13.4	8.57	877	812	822	752	687	552	567	432	907	857																														
18	DCHSF - 165F	5/8" SAE																																												
19	DCHSF- 165S	5/8" ODF																																												
20	DCHSF - 165R	1" - 14 ORFS																																												
21	DCHSF - 303F	3/8" SAE	6	6.57	6.57	4.28											877	812	822	752	687	552	567	432	907	857																				
22	DCHSF - 303S	3/8" ODF																																												
23	DCHSF -303R	11/16-16 ORFS																																												
24	DCHSF -303-ORN	3/8" O RING																																												
25	DCHSF - 304F	1/2" SAE	8.85	9.71	9.71	6.28																					877	812	822	752	687	552	567	432	907	857										
26	DCHSF - 304S	1/2" ODF																																												
27	DCHSF - 304R	13/16-16 ORFS																																												
28	DCHSF - 305F	5/8" SAE																																												
29	DCHSF - 305S	5/8" ODF	12.85	14	14	9.42	877	812	822	752	687	552	567	432	907	857																														
30	DCHSF - 305R	1" -14 ORFS																																												
31	DCHSF - 306F	3/4" SAE																																												
32	DCHSF - 306S	3/4" ODF																																												
33	DCHSF - 307S*	7/8" ODF	17.71	19.42	19.42	12.85											877	812	822	752	687	552	567	432	907	857																				
34	DCHSF - 309S*	1-1/8" ODF																																												
35	DCHSF - 414F	1/2" SAE	9.14	10	10	6.57																															1216	1106	1146	1016	951	746	786	586	1266	1162
36	DCHSF - 414S	1/2" ODF																																												
37	DCHSF - 415F	5/8" SAE	15.14	16.57	16.57	10.57																					1216	1106	1146	1016	951	746	786	586	1266	1162										
38	DCHSF - 415S	5/8" ODF																																												
39	DCHSF - 415-4F	5/8"SAE(IN) & 1/2 SAE(OUT)																																												
40	DCHSF - 415-4R	1-14 ORFS (IN) & 13/16-16 ORFS(OUT)																																												
41	DCHSF-417S*	7/8" ODF	26	28.57	28.57	18.57	1216	1106	1146	1016	951	746	786	586	1266	1162																														
42	DCHSF-419*	1-1/8" ODF																																												

All ratings are in accordance with ANSI/AHRI Standard 710-2009

1. Water in refrigerant at EPD for :

R-134a/R-407C/R-410A/R-404A/R-507A is 50 ppm,
R-22 is 60 ppm.

2. Flow Capacities are based on following standard rating

Flow Rate per Ton of Refrigeration at 86°F Liquid & 5.0°F Saturated Vapor for :

R-134a is 3.1 lb/min/ton,

R-407C is 3.0 lb/min/ton,

R-410A is 2.8 lb/min/ton,

R-404A is 4.1 lb/min/ton,

R-507A is 4.2 lb/min/ton,

R-22 is 3.0 lb/min/ton.

BI - FLOW FILTER DRIER DCHBF SERIES (BI - DIRECTION)

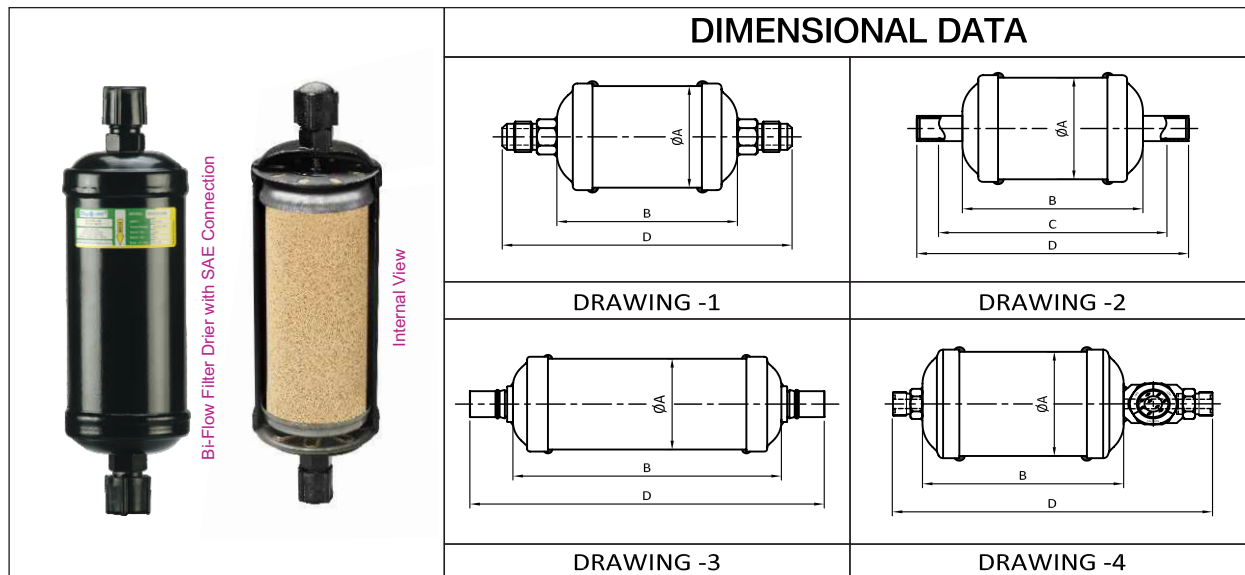
IMAGE, DRAWINGS & MODELS AVAILABLE



Dry All®

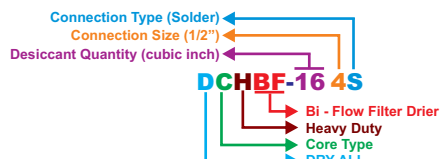


File No. SA33181



SR NO.	MODEL	OUTER DIA ØA		BODY LENGTH B		STOPPER TO STOPPER LENGTH C		OVERALL LENGTH D		CONNECTION TYPE (inch)	REFER DRAWING NO.
		mm	Inch	mm	Inch	mm	Inch	mm	Inch		
1	DCHBF-052F	Ø 63.5	Ø 2.5	76	2.99	--	--	122	4.80	1/4" SAE	DRAWING - 1
2	DCHBF-052S					106	4.17	126	4.96	1/4" ODF	DRAWING - 2
3	DCHBF-053F					--	--	130	5.12	3/8" SAE	DRAWING - 1
4	DCHBF-053S					102.3	4.03	126	4.96	3/8" ODF	DRAWING - 2
5	DCHBF-082F			97	3.82	--	--	143	5.63	1/4" SAE	DRAWING - 1
6	DCHBF-082S					127	5.00	147	5.79	1/4" ODF	DRAWING - 2
7	DCHBF-083F					--	--	151	5.94	3/8" SAE	DRAWING - 1
8	DCHBF-083S					123.3	4.85	147	5.79	3/8" ODF	DRAWING - 2
9	DCHBFSG-083 ORN					--	--	180	7.09	3/8" 'O' RING	DRAWING - 4
10	DCHBF-084F					--	--	157	6.18	1/2" SAE	DRAWING - 1
11	DCHBF-084S					123.3	4.85	147	5.79	1/2" ODF	DRAWING - 2
12	DCHBF-163F	Ø 76.2	Ø 3	117	4.61	--	--	171	6.73	3/8" SAE	DRAWING - 1
13	DCHBF-163S					143.3	5.64	167	6.57	3/8" ODF	DRAWING - 2
14	DCHBF-164F					--	--	177	6.97	1/2" SAE	DRAWING - 1
15	DCHBF-164S					143.3	5.64	167	6.57	1/2" ODF	DRAWING - 2
16	DCHBF-165F					--	--	185	7.28	5/8" SAE	DRAWING - 1
17	DCHBF-165S					143.3	5.64	167	6.57	5/8" ODF	DRAWING - 2
18	DCHBF-303F			191	7.52	--	--	245	9.65	3/8" SAE	DRAWING - 1
19	DCHBF-303S					217.3	8.56	241	9.49	3/8" ODF	DRAWING - 2
20	DCHBF-304F					--	--	251	9.88	1/2" SAE	DRAWING - 1
21	DCHBF-304S					217.3	8.56	241	9.49	1/2" ODF	DRAWING - 2
22	DCHBF-305F					--	--	259	10.20	5/8" SAE	DRAWING - 1
23	DCHBF-305S					217.3	8.56	241	9.49	5/8" ODF	DRAWING - 2
24	DCHBF-306F					--	--	265	10.43	3/4" SAE	DRAWING - 1
25	DCHBF-306S					217.3	8.56	241	9.49	3/4" ODF	DRAWING - 2
26	DCHBF-307S*					221	8.70	265	10.43	7/8" ODF	DRAWING - 3
27	DCHBF-309S*					221	8.70	275	10.83	1 1/8" ODF	DRAWING - 3

- INTERNAL ASSEMBLY - CORE TYPE
- MAXIMUM WORKING PRESSURE - 45 bar (653 psig)
- SAE, ORFS & 'O' RING TYPE CONNECTION ARE IN STEEL, NICKEL PLATED
- ODF TYPE CONNECTION IS IN COPPER
- * MARK CONNECTION STEEL, PLATED



BI - FLOW FILTER DRIER DCHBF SERIES (BI - DIRECTION)

SELECTION RECOMENDATION



SR. NO.	Description	Connections Inlet/outlet	Flow Capacity ² Ton @ 1psi ΔP (for kW, multiply Ton by 3.5)				Water Capacity ¹ drops of water									
			R-134a	R-22	R-407C & R-410A	R-404 & R-507	R-134a		R-22		R-407C		R-410A		R-404A &	R-507
							75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F
1	052F	1/4 SAE	2.2	2.2	2.2	1.37	201	186	186	136	156	126	131	101	206	196
2	052S	1/4 ODF														
3	053F	3/8 SAE														
4	053S	3/8 ODF	4	4	3.9	2.73										
5	082F	1/4 SAE	4.3	4.3	4.3	2.8	265	245	250	225	205	165	170	130	275	260
6	082S	1/4 ODF														
7	083F	3/8 SAE	4.8	5.1	5	3.33										
8	083S	3/8 ODF														
9	083ORN	3/8" ORN														
10	084F	1/2 SAE	6.2	6.7	6.7	4.62										
11	084S	1/2 ODF														
12	163F	3/8 SAE	4.9	5.2	5.2	3.49	359	341	360	307	361	333	327	302	392	365
13	163S	3/8 ODF														
14	164F	1/2 SAE	7.9	8.1	8.1	5.34										
15	164S	1/2 ODF														
16	165F	5/8 SAE	8.3	8.7	8.7	5.56										
17	165S	5/8 ODF														
18	303F	3/8 SAE	6	5.8	5.8	3.7										
19	303S	3/8 ODF														
20	304F	1/2 SAE														
21	304S	1/2 ODF	8.84	9.7	9.7	6.23										
22	305F	5/8 SAE														
23	305S	5/8 ODF	12.84	14.2	14.2	9.43	877	812	822	752	687	552	567	432	907	857
24	306F	3/4 SAE	17.71	16	16	10.38										
25	306S	3/4 ODF														
26	307S	7/8 ODF	17.79	18	18	11.95										
27	309S	1 1/8 ODF														

All ratings are in accordance with ANSI/AHRI Standard 710-2009

1. Water in refrigerant at EPD for :

R-134a/R-407C/R-410A/R-404A/R-507A is 50 ppm,

R-22 is 60 ppm.

2. Flow Capacities are based on following standard rating conditions

Flow Rate per Ton of Refrigeration at 86°F Liquid & 5.0°F Saturated Vapor for :

R-134a is 3.1 lb/min/ton,

R-407C is 3.0 lb/min/ton,

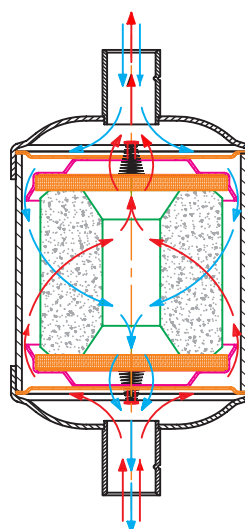
R-410A is 2.8 lb/min/ton,

R-404A is 4.1 lb/min/ton,

R-507A is 4.2 lb/min/ton,

R-22 is 3.0 lb/min/ton.

INTERNAL WORKING OF BI-FLOW FILTER DRIER



SUCTION LINE FILTER DSF SERIES

IMAGE, DRAWINGS & MODEL AVAILABLE

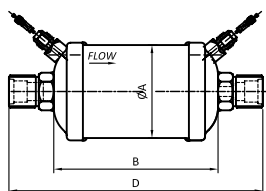


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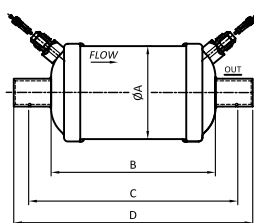
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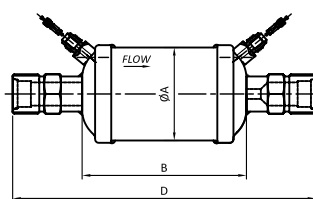
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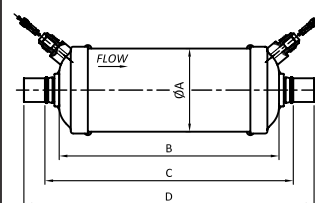
DRAWING -1



DRAWING -2



DRAWING -3



DRAWING -4

SR NO.	MODEL	OUTER DIA ØA		BODY LENGTH B		STOPPER TO STOPPER LENGTH C		OVERALL LENGTH D		CONNECTION TYPE (inch)	REFER DRAWING NO.
		mm	inch	mm	inch	mm	inch	mm	inch		
1	DSF-163S	63.5	2.5	110	4.34	136.3	5.37	160	6.3	3/8"ODF	DRAWING -2
2	DSF-164S	63.5	2.5	110	4.34	136.3	5.37	160	6.3	1/2" ODF	DRAWING -2
3	DSF-165S	63.5	2.5	110	4.34	136.3	5.37	160	6.3	5/8" ODF	DRAWING -2
4	DSF-165ORN	63.5	2.5	110	4.34	136.3	5.37	170	6.7	5/8" O RING	DRAWING -1
5	DSF-166ORN	63.5	2.5	110	4.34	136.3	5.37	203	8	3/4" O RING	DRAWING -3
6	DSF-415S	88.9	3.5	159	6.25	189	7.44	209	8.2	5/8" ODF	DRAWING -2
7	DSF-416S	88.9	3.5	159	6.25	189	7.44	209	8.2	3/8"ODF	DRAWING -2
8	DSF-417S	88.9	3.5	159	6.25	189	7.44	233	9.2	7/8"ODF	DRAWING -4
9	DSF-419S	88.9	3.5	159	6.25	189	7.44	243	9.6	1"-1/8 ODF	DRAWING -4

- INTERNAL ASSEMBLY - FILTER
- MAXIMUM WORKING PRESSURE - 35 bar (508 psig)
- O-RING TYPE CONNECTION ARE IN STEEL,NICKEL PLATED
- ODF TYPE CONNECTION IS IN COPPER
- * MARK CONNECTION STEEL, PLATED

