

LIQUID LINE FILTER DRIER DMH SERIES (BEAD TYPE)



IMAGES



File No. SA33181



03-SERIES



05-SERIES



08-SERIES



Internal View

16-SERIES



30-SERIES



41-SERIES



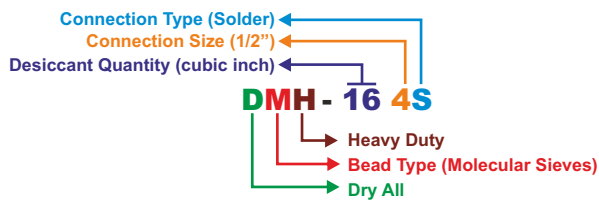
Filter Drier with ODF connection

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



LIQUID LINE FILTER DRIER DMH SERIES (BEAD TYPE)

MODELS AVAILABLE



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

Internal Assembly - Bead 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

LIQUID LINE FILTER DRIER SELECTION RECOMMENDATIONS DMH

SELECTION RECOMMENDATION



Sr No.	Model	Connections Type	Flow Capacity Ton @ 1psiΔP (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	DMH - 032M-F*F	1/4" SAE (F/M)	2	2.2	2.1	1.4												
3	DMHSV - 032F	1/4" SAE																
4	DMH - 032S	1/4" ODF																
5	DMHSV - 032S	1/4" ODF	2.7	2.9	2.9	2	41	39	40	35	34	26	22	20	40	39		
6	DMH-033F	3/8" SAE																
7	DMH - 033S	3/8" ODF	3	3.3	3.2	2.2												
8	DMH - 052F	1/4" SAE	2.5	2.4	2.5	1.8												
9	DMH - 052S	1/4" ODF	3.5	3.6	3.5	2.5												
10	DMH - 053F	3/8" SAE	3.5	3.8	3.8	2.5	121	110	116	99	100	80	66	61	123	110		
11	DMH - 053S	3/8" ODF																
12	DMH - 053R	11/16-16 ORN	4.6	4.8	4.8	3.5												
13	DMH - 082F	1/4" SAE	2.4	2.6	2.5	1.9												
14	DMH - 082S	1/4" ODF	3	3.5	3.5	2.5												
15	DMH - 083F	3/8" SAE	4	4.5	4.5	3												
16	DMH - 083S	3/8" ODF	4.5	4.9	4.9	3.5	265	245	250	225	205	165	170	130	275	260		
17	DMH - 084F	1/2" SAE	6.7	7.5	7	5												
18	DMH - 084S	1/2" ODF	7.1	7.7	7.5	5												
19	DMH - 163F	3/8" SAE	4	4.2	4.2	3												
20	DMH - 163S	3/8" ODF	4.5	4.8	4.7	3.2												
21	DMH - 163R	11/16-16 ORFS	3.9	4.2	4.1	2.8												
22	DMH - 164F	1/2" SAE	8.5	9.5	9.2	6.2												
23	DMH - 164S	1/2" ODF	8.5	9.5	9	6.2	384	348	375	320	312	246	212	194	359	348		
24	DMH - 164R	13/16-16ORFS	8.5	9.2	9	6.2												
25	DMH - 165F	5/8" SAE	9.7	10.5	10.3	7												
26	DMH - 165S	5/8" ODF	10.1	10.9	10.7	7.3												
27	DMH - 165R	1" - 14 ORFS	9.8	10.5	10.3	7												
28	DMHLD - 162R	9/16-18 ORFS	4.2	4.5	4.3	3.2												
29	DMHLD - 163F	3/8" SAE	4.2	4.5	4.3	3.2												
30	DMHLD - 163R	11/16-16ORFS					445	410	437	374	367	291	345	238	422	409		
31	DMHLD - 163RL	11/16-16ORFS	4.1	4.5	4.3	3.1												
32	DMHLD - 164R	13/16-16 ORFS																
33	DMHLD - 164 ORF	1/2" SAE (Groove)	9.5	9	8.8	6.1												
34	DMH - 303F	3/8" SAE	4.5	4.8	4.6	3.5												
35	DMH - 303S	3/8" ODF	6.4	6.8	6.7	4.8												
36	DMH -303R	11/16-16 ORFS	4.4	4.8	4.6	3.4												
37	DMH -303-ORN	3/8" O RING	4.5	4.8	4.6	3.4												
38	DMH - 304F	1/2" SAE	8.5	9	8.6	6												
39	DMH - 304S	1/2" ODF	10.5	10.9	10.6	7.5												
40	DMH - 304R	13/16-16 ORFS	10.5	9	8.6	6	681	628	668	572	562	446	528	364	646	625		
41	DMH - 305F	5/8" SAE	10.8	11.8	11.3	7.9												
42	DMH - 305S	5/8" ODF	10.8	11.8	11.3	7.9												
43	DMH - 305R	1" -14 ORFS	10.8	11.8	11.3	7.9												
44	DMH - 306F	3/4" SAE	15	16.5	15.7	7.9												
45	DMH - 306S	3/4" ODF	15	16.5	15.7	10.9												
46	DMH - 307S	7/8" ODF	16.9	18.5	17.9	12.5												
47	DMH - 309S	1-1/8" ODF	19.9	21.5	20.8	14.5												
48	DMH - 412 ORN	1/4" O RING	10	11	11	7.3												
49	DMH - 413F	3/8" SAE	10.2	11.2	11.2	7.4												
50	DMH -413S	3/8" ODF	10.3	11.3	11.3	7.5												
51	DMH - 414F	1/2" SAE	10.5	11.5	11.5	7.6												
52	DMH - 414S	1/2" ODF	10.9	11.8	11.8	7.9												
53	DMH - 415F	5/8" SAE	12.5	13.5	12.6	8.8												
54	DMH - 415S	5/8" ODF	12.2	13.6	13	8.8	962	877	934	797	784	623	733	477	897	872		
55	DMH - 415R	1-14 ORFS	12.2	13.6	13	8.8												
56	DMH - 415-4F	5/8"SAE(IN) & 1/2 SAE(OUT)	10.8	11.5	11.8	7.8												
57	DMH - 415-4R	1-14 ORFS (IN) & 13/16-16 ORFS(OUT)	10.8	11.5	11.5	7.9												
58	DMH - 416-5R	1"-1/4 ORFS (IN) & 1"-14 ORFS (OUT)	12.4	13.8	13.2	9												
59	DMH - 417S	7/8" ODF	20.5	22.5	21.8	14.9												
60	DMH - 419S	1-1/8" ODF	27.8	30.5	29.8	20.5												
61	DMH -757S	7/8"ODF	23.4	25.7	23.8	17.1	2214	2072	2194	1905	1855	1496	1490	1140	2068	2072		
62	DMH - 759S	1-1/8 ODF	26.8	29.1	34.8	19.40												

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.