



NDL Industries

## APPLICATIONS

Commercial, Industrial, and Residential HVAC and Refrigeration

# Beaded Core Liquid Line Filter Driers (NMH)

Filter driers shield the refrigeration system by trapping solids, absorbing moisture and acid, and averting ice buildup on the expansion valve's orifice.



## NMH Specifications

### Advancing Welding Technology

Body design manufactured with advanced welding technology for leak-free joints and superior performance with high-pressure refrigerants.

### Tested Powder Coat

Finished with semi-gloss black epoxy-polyester powder coat paint tested to 1,000 hours of salt spray, exceeding ASTM standards.

### Effective Blend

Desiccant comprised of molecular sieve and activated alumina in a ratio of 70:30.

### Threaded Fittings

Strong and rust-free furnace-brazed threaded fittings.

### Wide Range Compatibility

This product is recommended for refrigeration, freezing, air-conditioning systems, and mobile refrigeration due to its versatility and superior performance.

### Enhanced Design

Furnace brazed pure copper ends, boasting both longer length and thicker walls when juxtaposed with other brands' offerings.

### Pressure Drop Minimization

Uses honey-comb design perforated plate to minimize pressure drops.

### High-Grade Sieves

Solid core type with XH-11 grade molecular sieves.



# NMH Beaded Core Liquid Line Filter Driers

## Selection Recommendations

MODEL	CONNECTIONS INLET/OUTLET	FLOW CAPACITY TAN @ 1PSI ΔP (FOR KW MULTIPLY TON BY 3.5)				WATER CAPACITY DROPS OF WATER									
		R-134A	R-22 & R-410A	R-407C	R-410A & 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
NMH-032F	1/4" SAE	2	2.2	2.1	1.4	41	39	40	35	34	26	22	20	40	39
NMH-032S	1/4" ODF	2.7	2.9		2										
NMH-033F	3/8" SAE	3	3.3	3.2	2.2										
NMH-033S	3/8" ODF														
NMH-052F	1/4" SAE	2.5	2.4	2.5	1.8	121	110	116	99	100	80	66	61	123	110
NMH-052S	1/4" ODF	3.5	3.6	3.5	2.5										
NMH-053F	3/8" SAE	3.5	3.8		2.5										
NMH-053S	3/8" ODF	4.6	4.8	4.8	3.5	265	245	250	225	205	165	170	130	275	260
NMH-082F	1/4" SAE	2.4	2.6	2.5	1.9										
NMH-082S	1/4" ODF	3	3.5		2.5										
NMH-083F	3/8" SAE	4	4.5		3	384	348	375	320	312	246	212	194	359	348
NMH-083S	3/8" ODF	4.5	4.9		3.5										
NMH-084F	1/2" SAE	6.7	7.5	7	5										
NMH-084S	1/2" ODF	7.1	7.7	7.5											
NMH-163F	3/8" SAE	4	4.2		3	681	628	668	572	562	446	528	364	646	625
NMH-163S	3/8" ODF	4.5	4.8	4.7	3.2										
NMH-164F	1/2" SAE	8.5	9.5	9.2	6.2										
NMH-164S	1/2" ODF			9											
NMH-165F	5/8" SAE	9.7	10.5	10.3	7	2214	2072	2194	1905	1855	1496	1490	1140	2068	2072
NMH-165S	5/8" ODF	10.1	10.9	10.7	7.3										
NMH-303F	3/8" SAE	4.5	4.8	4.6	3.5										
NMH-303S	3/8" ODF	6.4	6.8	6.7	4.8	962	877	934	797	784	623	733	477	897	872
NMH-303 ORN	3/8" O-Ring	4.5	4.8	4.6	3.4										
NMH-304F	1/2" SAE	8.5	9	8.6	6										
NMH-304S	1/2" ODF	10.5	10.9	10.6	7.5	2214	2072	2194	1905	1855	1496	1490	1140	2068	2072
NMH-305F	5/8" SAE	10.8	11.8	11.3	7.9										
NMH-305S	5/8" ODF														
NMH-306F	3/4" SAE	15	16.5	15.7	7.9	962	877	934	797	784	623	733	477	897	872
NMH-306S	3/4" ODF														
NMH-307S	7/8" ODF	16.9	18.5	17.9	12.5										
NMH-309S	1-1/8" ODF	19.9	21.5	20.8	14.5	2214	2072	2194	1905	1855	1496	1490	1140	2068	2072
NMH-414F	1/2" SAE	10.5	11.5		7.6										
NMH-414S	1/2" ODF	10.9	11.8		7.9										
NMH-415F	5/8" SAE	12.5	13.5	12.6	8.8	2214	2072	2194	1905	1855	1496	1490	1140	2068	2072
NMH-415S	5/8" ODF	12.2	13.6	23	8										
NMH-417S	7/8" ODF	20.5	22.5	21.8	14.9										
NMH-419S	1-1/8" ODF	27.8	30.5	29.8	20.5	2214	2072	2194	1905	1855	1496	1490	1140	2068	2072
NMH-757S	7/8" ODF	23.4	25.7	23.8	17.1										
NMH-759S	1-1/8" ODF	36.8	29.1	34.8	19.4										



# NMH Beaded Core Liquid Line Filter Driers

## Models Available

MODEL	OUTER DIA. ØA		BODY LENGTH B		STOPPER TO STOPPER LENGTH C		OVERALL LENGTH D		CONNECTION TYPE (IN)	DRAWING NO.		
	MM	IN	MM	IN	MM	IN	MM	IN				
NMH-032F	Ø 42	Ø 1.6	67	2.64	-	-	113	4.45	1/4" SAE	Drawing 1		
NMH-032S					97	3.82	117	4.61	1/4" ODF	Drawing 7		
NMH-033F					-	-	121	4.76	3/8" SAE	Drawing 1		
NMH-033S					97	3.82	117	4.61	3/8" ODF	Drawing 2		
NMH-052F	Ø 63.5	Ø 2.5	78	3.07	-	-	124	4.88	1/4" SAE	Drawing 3		
NMH-052S					108	4.25	128	5.04	1/4" ODF	Drawing 4		
NMH-053F					-	-	132	5.20	3/8" SAE	Drawing 3		
NMH-053S					108	4.25	128	5.04	3/8" ODF	Drawing 4		
NMH-082F			99	3.90	-	-	145	5.71	1/4" SAE	Drawing 3		
NMH-082S							129	5.08	149	5.87	1/4" ODF	Drawing 4
NMH-083F							-	-	153	6.02	3/8" SAE	Drawing 3
NMH-083S							129	5.08	149	5.87	3/8" ODF	Drawing 4
NMH-084F					-	-	159	6.26	1/2" SAE	Drawing 3		
NMH-084S					129	5.08	149	5.87	1/2" ODF	Drawing 4		
NMH-163F					122	4.80	-	-	176	6.93	3/8" SAE	Drawing 3
NMH-163S									152	5.98	172	6.77
NMH-164F			-	-			182	7.17	1/2" SAE	Drawing 3		
NMH-164S			152	5.98			172	6.77	1/2" ODF	Drawing 4		
NMH-165F			-	-			190	7.48	5/8" SAE	Drawing 3		
NMH-165S			152	5.98			172	6.77	5/8" ODF	Drawing 4		
NMH-303F	Ø 76.2	Ø 3	190	7.48	-	-	244	9.61	3/8" SAE	Drawing 3		
NMH-303S					220	8.66	240	9.45	3/8" ODF	Drawing 4		
NMH-303 ORN					-	-	244	9.61	3/8" O-Ring	Drawing 5		
NMH-304F					-	-	244	9.61	1/2" SAE	Drawing 3		
NMH-304S					220	8.66	240	9.45	1/2" ODF	Drawing 4		
NMH-305F					-	-	258	10.16	5/8" SAE	Drawing 3		
NMH-305S					220	8.66	240	9.45	5/8" ODF	Drawing 4		
NMH-306F					-	-	264	10.39	3/4" SAE	Drawing 3		
NMH-306S					220	8.66	240	9.45	3/4" ODF	Drawing 4		
NMH-307S					220	8.66	264	10.39	7/8" ODF	Drawing 6		
NMH-309S	220	8.66	274	10.79	1-1/8" ODF	Drawing 6						
NMH-414F	Ø 88.9	Ø 3.5	198	7.79	-	-	258	10.16	1/2" SAE	Drawing 3		
NMH-414S					228	8.98	248	9.76	1/2" ODF	Drawing 4		
NMH-415F					-	-	266	10.47	5/8" SAE	Drawing 3		
NMH-415S					228	8.98	248	9.76	5/8" ODF	Drawing 4		
NMH-417S					228	8.98	272	10.71	7/8" ODF	Drawing 6		
NMH-419S					228	8.98	282	11.10	1-1/8" ODF	Drawing 6		
NMH-757S			319	12.55	350	13.77	381	15	7/8" ODF	Drawing 6		
NMH-759S					350	13.77	381	15	1-1/8" ODF	Drawing 6		



# NMH Beaded Core Liquid Line Filter Driers

## NMH Certifications and Approvals

- CE
- UL Certified

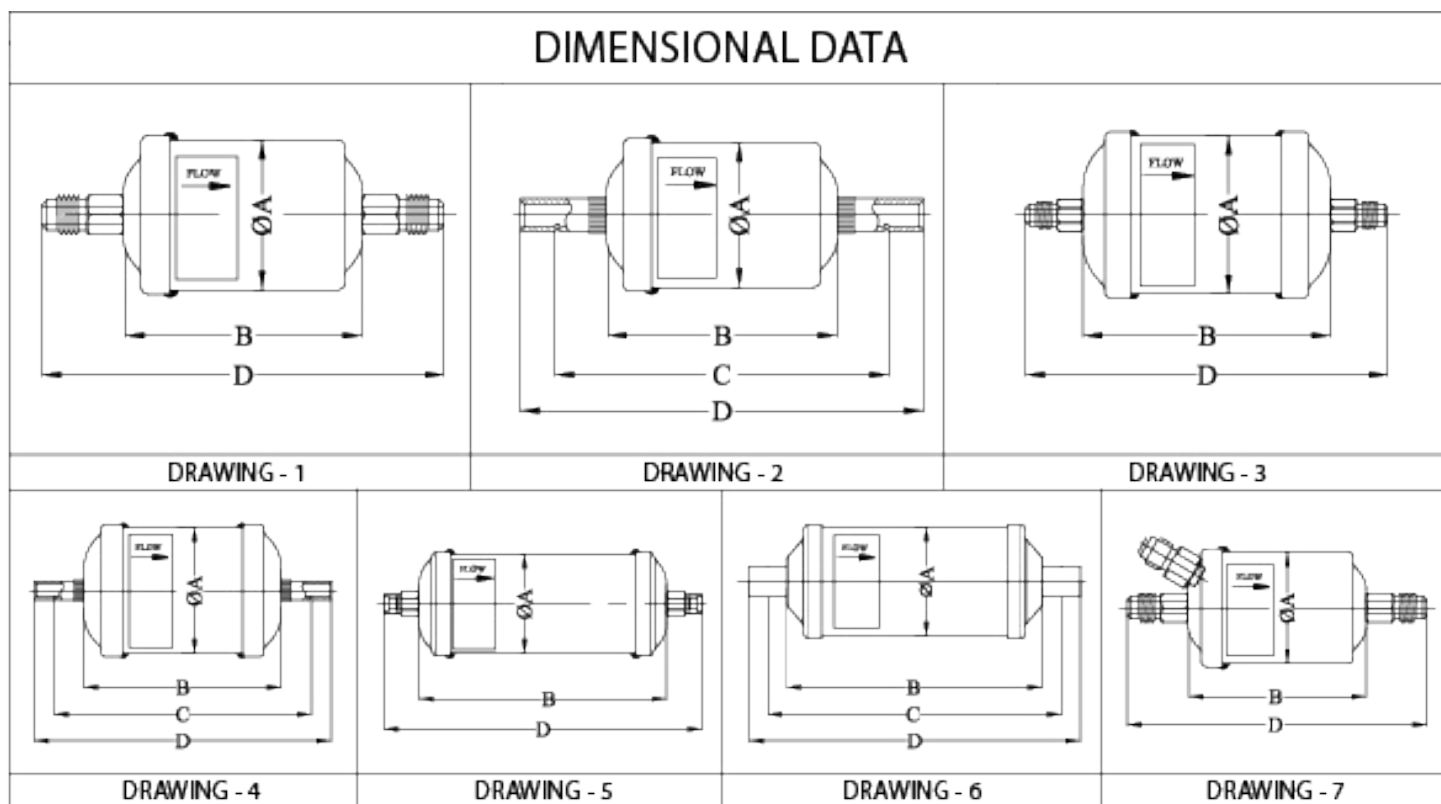


## TW Filter Driers with Spectroline AR-GLO®

The complete solution to reduce warranty repair costs and reduce service callbacks.

- The included dye is compatible with all refrigerants, offering comprehensive protection for 6-ton\* air conditioning systems
- Installation can be done with the system running, minimizing downtime and disruption
- With the tracer wafer pre-installed, there's no need to handle messy liquid dyes, simplifying the process
- Leaks are easily spotted using a UV flashlight and fluorescence-enhancing safety glasses, streamlining repair efforts

## DIMENSIONAL DATA



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ndlindustries.com | 1-866-635-6888 | sales@ndlinc.com

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