



NDL Industries

APPLICATIONS

Commercial, Industrial, and Residential HVAC and Refrigeration

Press Compatible Filter Driers (NCH-Z, NCHBF-Z)

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



NCH-Z, NCHBF-Z Specifications

Versatile Connectivity

Filter Driers are compatible with Press/Push fittings for easy, quick, and flame-free connections.

Flame-Free Installation

Eliminates the need for brazing, reducing fire hazards and removing the need for nitrogen purging and flammable gas transport.

Fast Connections

Provides a leak-free, permanent mechanical connection in just seconds.

Significant Time Savings

Installation is up to 60% faster than brazing, boosting efficiency.

Proven Reliability

Press fittings with a track record of reliability and UL207 registration for pressures up to 653 PSI.

Cost Reductions

Reduces labor costs by eliminating the brazing process and related materials.

Higher Productivity

Jobs can be completed by fewer workers in less time, increasing overall job completion rates.

Ideal Applications

Perfect for Residential AC, HP, Mini-split, and Refrigeration installations, enhancing safety and efficiency as the use of flammable refrigerants rises.



Press Compatible Filter Driers

Flow Capacity Ton @ 1 PSI ΔP (For KW Multiply Ton by 3.5)

MODEL	CONNECTIONS INLET/OUTLET	R-134A	R-22	R-407C & R-410A	R-404A & R-507	R-32	R-454B
NCH-083-Z	3/8" ODM	5.42	6	6	4	7.1	5.8
NCHBF-083-Z	3/8" ODM	4.8	5.1	5	3.33	5.2	4.2
NCH-163-Z	3/8" ODM	6.2	6.8	6.8	4.57	8.5	7.0
NCHBF-163-Z	3/8" ODM	4.9	5.2	5.2	3.49	5.2	4.2

All ratings are in accordance with AHRI Standard 710

Water Capacity Drops of Water

MODEL	CONNECTIONS INLET/OUTLET	R-134A		R-22		R-407C		R-410A		R-404A & R-507		R-32		R-454B	
		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
NCH-083-Z	3/8" ODM	265	245	250	225	205	165	170	130	275	260	220.4	199.5	246.5	220.4
NCHBF-083-Z	3/8" ODM	265	245	250	225	205	165	170	130	275	260	168.6	143.3	183.1	160.5
NCH-163-Z	3/8" ODM	396	366	371	336	306	306	256	196	406	286	364.8	329.4	421.8	377.2
NCHBF-163-Z	3/8" ODM	359	341	360	307	361	333	327	302	392	365	332.4	290.3	361.0	325.2

All ratings are in accordance with AHRI Standard 710



Press Compatible Filter Driers

Certifications and Approvals

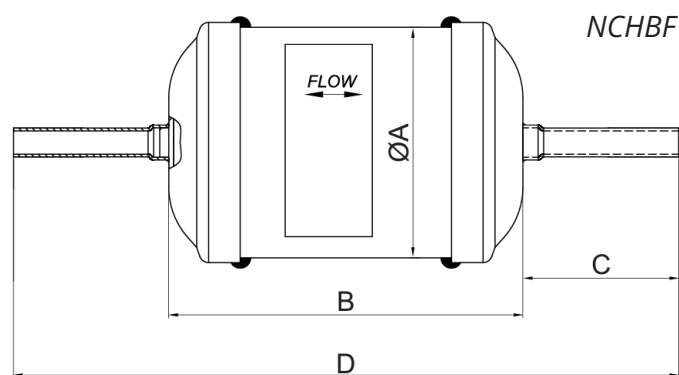
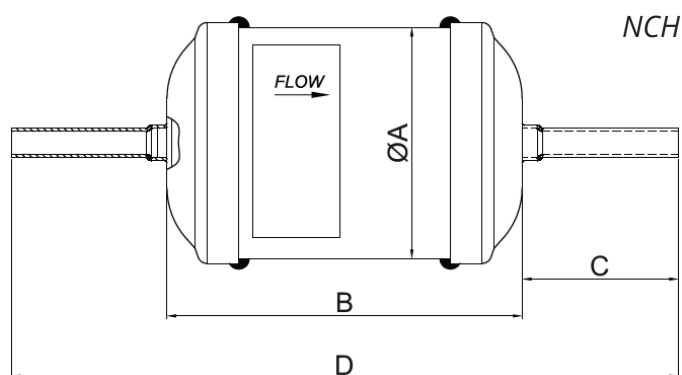
- CE-approved
- CRN-approved (NCH)
- UL-listed

Temperature Range

- -40°C to 70°C / -40 F to 158

Maximum Working Pressure

- 45 BAR (653 PSI)



Models Available

MODEL	OUTER DIA. ØA		BODY LENGTH B		STOPPER TO STOPPER LENGTH C		OVERALL LENGTH D		CONNECTION TYPE (IN)
	MM	IN	MM	IN	MM	IN	MM	IN	
NCH-083-Z	Ø 63.5	Ø 2.50"	99	3.89"	51.1	2.02"	202	7.95"	3/8" ODM
NCHBF-083-Z	Ø 63.5	Ø 2.50"	97	3.81"	51.5	2.02"	200	7.87"	3/8" ODM
NCH-163-Z	Ø 63.5	Ø 2.50"	122	4.8"	51.1	2.02"	225	8.85"	3/8" ODM
NCHBF-163-Z	Ø 63.5	Ø 2.50"	117	4.60"	51.5	2.02"	220	8.66"	3/8" ODM



Explore our full line of high-quality HVAC-R, CO₂ Refrigeration, and Hydronic products.

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