

water separators



eliminate corrosion, damage to tools and machinery downtime with efficient bulk water removal

The nano F¹ range of water separators eliminate 99% of liquids in your compressed air or gas system improving your processes and reducing costly downtime.

The unique fins on the internal centrifugal module have been engineered using the latest computational fluid dynamic software to optimize liquid removal efficiency across a wide range of operating conditions. The nano F¹ water separators are perfectly suited for variable speed compressors.

An internal shield ensures that the separated liquids cannot re-enter the air or gas stream greatly improving drainage and further improving separation performance.

exceptional performance

With a housing manufactured from die cast aluminium and polyester powder coated for optimum corrosion protection, the nano F¹ water separators are designed to provide a long life of reliable separation in even the most demanding applications.

Manufactured in an ISO 9001 approved facility and tested in accordance with ISO 12500-4.



applications include:

electronics

instrumentation

laboratories

automotive

robotics

oil & gas

paint applications

pneumatic conveying

nano-purification solutions ltd

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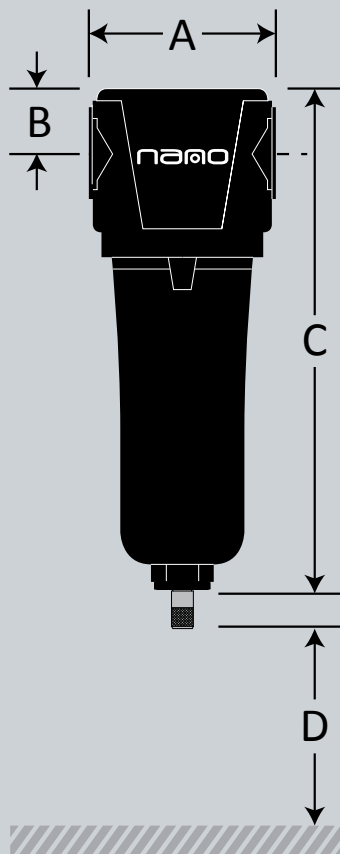
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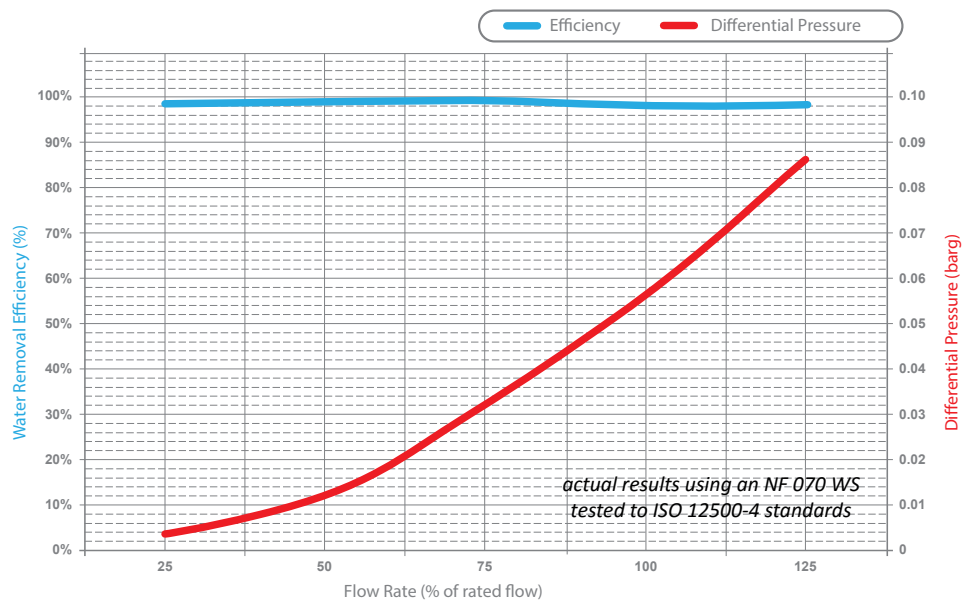
technical specification

separator model	inlet & outlet BSPP	rated flow ⁽¹⁾		dimensions (mm)				approx. weight
		Nm ³ /h	scfm	A	B	C	D	kgs
NFB 0025 WS	¼"	42	25	70	25	191	90	0.7
NFB 0035 WS	⅜"	59	35	70	25	191	90	0.7
NFB 0050 WS	½"	85	50	70	25	191	90	0.7
NFB 0070 CWS ⁽²⁾	½"	119	70	100	35	210	90	0.7
NFB 0070 WS	½"	119	70	100	35	277	110	1.5
NFB 0125 WS	¾"	212	125	100	35	277	110	1.5
NFB 0175 WS	1"	297	175	100	35	277	110	1.5
NFB 0280 CWS ⁽²⁾	1 ¼"	476	280	122	42	381	150	2.3
NFB 0280 WS	1 ¼"	476	280	122	42	460	150	2.5
NFB 0325 CWS ⁽²⁾	1 ½"	553	325	122	42	381	150	2.3
NFB 0325 WS	1 ½"	553	325	122	42	460	150	2.5
NFB 0400 WS	1 ½"	680	400	146	52	483	181	4.0
NFB 0700 WS	2"	1189	700	146	52	483	181	4.0
NFB 1250 WS	2 ½"	2124	1250	210	66	594	200	8.5
NFB 1500 WS	3"	2549	1500	210	66	594	200	8.5



specifications	NWS 0025 to 0050	NWS 0070 to 1500
recommended operating temperature range	2 to 100°C	2 to 100°C
design operating temperature range	2 to 120°C	2 to 120°C
design operating pressure range	0 to 16 barg	2 to 16 barg ⁽³⁾
condensate drain (included) ⁽⁴⁾	NDK 0050	NDK 1500

pressure correction factors	4	5	6	7	8	10	12	14	16
operating pressure (barg)									
correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51



- (1) at 7 barg. For all other pressures refer to the pressure correction factors above
- (2) a shorter version of the standard separator for compact installations and/or low liquid loads
- (3) for pressures below 2 barg order with an NDK 0050 condensate drain
- (4) all filters are supplied with an automatic float drain. When high liquid loads are anticipated we recommend installing a high capacity external condensate drain. Contact info@n-psi.co.uk for available options