

Water Separators



Bulk water can be found in all compressed air and gas systems. This can be very costly, resulting in corrosion, damage to tools and machinery downtime.

nano-purification solutions offers a range of water separators, which remove 99% of bulk water. This highly efficient product enhances the reliability of compressed air and gas systems, eliminating the problem of costly downtime.

Exceptional performance levels

The unique fins on the centrifugal module have been custom engineered using the latest computational fluid dynamics (CFD) software to identify and eliminate points of low efficiency, ensuring excellent liquid removal even at low flow velocities.

The shield at the bottom of the module prevents re-entrainment of separated water and creates a calm zone, which significantly improves drainage characteristics.

1/4" to 3" threaded housings are manufactured in robust cast aluminum alloy with a corrosion protective E-Coat™ finish, applied internally and externally. Exceptional performance backed by a 10 year housing warranty.

Tested in accordance with
ISO 12500-4



Applications include:

Electronics

Instrumentation

Laboratories

Manufacturing

Automotive and Robotics

Oil & Gas

Paint Applications

Pneumatic Conveying

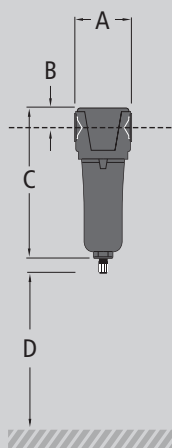
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Technical Specification

filter model	pipe size	flow rate		dimensions inches (mm)				weight	
		SCFM	Nm ³ /h	A	B	C	D	lbs	Kg
NF0025 WS	¼	25	42	2.75 (70)	0.98 (25)	7.52 (191)	3.54 (90)	1.5	0.7
NF0035 WS	⅜	35	59	2.75 (70)	0.98 (25)	7.52 (191)	3.54 (90)	1.5	0.7
NF0050 WS	½	50	85	2.75 (70)	0.98 (25)	7.52 (191)	3.54 (90)	1.5	0.7
NF0070S* WS	½	70	119	3.94 (100)	1.38 (35)	8.27 (210)	3.54 (90)	1.5	0.7
NF0070 WS	½	70	119	3.94 (100)	1.38 (35)	10.87 (276)	4.33 (110)	3.3	1.5
NF0125 WS	¾	125	212	3.94 (100)	1.38 (35)	10.87 (276)	4.33 (110)	3.3	1.5
NF0175 WS	1	175	297	3.94 (100)	1.38 (35)	10.87 (276)	4.33 (110)	3.3	1.5
NF0280S* WS	1¼	280	476	4.80 (122)	1.65 (42)	14.96 (380)	5.90 (150)	5.1	2.3
NF0280 WS	1¼	280	476	4.80 (122)	1.65 (42)	18.11 (460)	5.90 (150)	5.5	2.5
NF0325S* WS	1½	325	553	4.80 (122)	1.65 (42)	14.96 (380)	5.90 (150)	5.1	2.3
NF0325 WS	1½	325	553	4.80 (122)	1.65 (42)	18.11 (460)	5.90 (150)	5.5	2.5
NF0400 WS	1½	400	680	5.75 (146)	2.05 (52)	18.98 (482)	7.09 (180)	8.8	4
NF0700 WS	2	700	1189	5.75 (146)	2.05 (52)	18.98 (482)	7.09 (180)	8.8	4
NF0850 WS	2½	850	1445	8.27 (210)	2.60 (67)	23.43 (595)	7.87 (200)	18.7	8.5
NF1500 WS	3	1500	2549	8.27 (210)	2.60 (67)	23.43 (595)	7.87 (200)	18.7	8.5

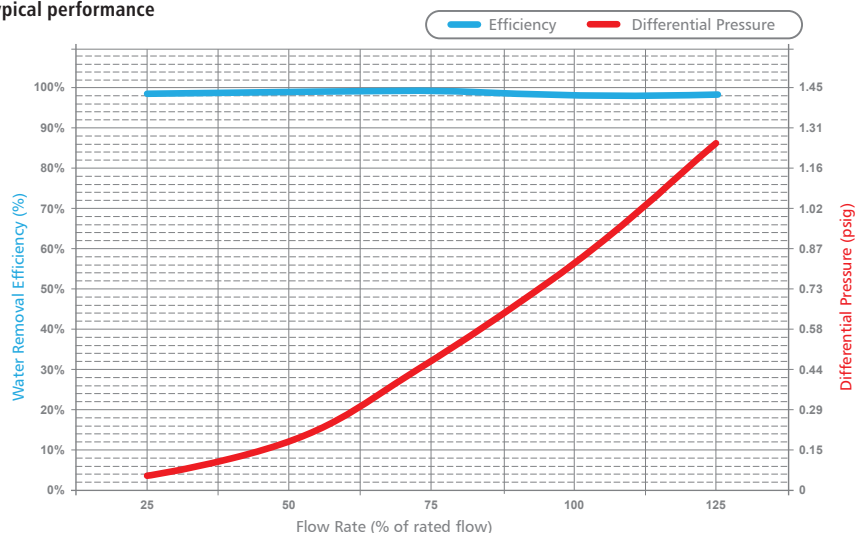
* The S indicates shorter bowl for compact installations



NF0025 WS to NF1500 WS

Grade	WS	
Maximum recommended operating temperature	248°F	120°C
Minimum recommended operating temperature	35°F	1.5°C
Maximum working pressure	232 psig	16 barg

typical performance



Tested in accordance with ISO12500-4 on an NF0070 water separator.
Exceptional performance at any flow rate makes it perfect for use in variable speed compressor applications.

technical notes

- Water Separators are fitted with float operated automatic drain valves. NDK0050 on models NF0025 WS to NF0050 WS and NDK1500 on models NF0070 to NF1500 . When high quantities of liquid are anticipated, n-psi recommend the use of heavy duty external drains. Please contact n-psi for recommendation and application assistance.
- A connecting kit is required to connect a water separator to filter models NF0008 to NF1500