nano L[1]: CO_2 Removal Adsorption Dryer

CO_2 Removal Adsorption Dryer

Features

- Generate your own supply of purge gas in-house via connection of dryer to your existing compressed air system to deliver clean, dry and CO_2 free purge gas.
- Constant supply of high-purity air eliminates interruptions for cylinder changes, minimises instrument recalibration, and removes the safety risks associated with high-pressure cylinders.
- Lower running costs vs cylinder rental or purchase
- Engineered for laboratories, the compact, wall-mountable design preserves bench space while the innovative exhaust silencer ensures exceptionally quiet operation.
- Advanced PSA system with automatic regeneration and multi-stage purification including snowstorm-filled cartridges, integrated 1.0-micron filtration ensures consistently clean, dry air with CO_2 levels under 1 ppm.
- Laboratory applications include FTIR purge, TOC purge, NMR, GC flame gas and laser purging.



Easy to Maintain



Less than 15 minutes required for maintenance due to unique factory built filtration and adsorption cartridges.

Ease of Use



n-Tech's icon-driven interface provides one-touch control, real-time data, seamless BMS connectivity, and automatic power-loss recovery (available on models NDC 900N and NDC 1200N).

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MODEL	INLET & OUTLET	INLET AIR FLOW [1]		OUTLET GAS FLOW [1]		DIMENSIONS (MM)			APPROX. WEIGHT	RECOMMENDED FILTRATION [3]
	BSPP [4]	FT^3/HR	L/MIN	FT^3/HR	L/MIN	A	B	C	KG	PART NO.
NDC 015	⅜”	5.3	2.5	3.2	1.5	439	264	221	8.25	GFNB 0025 M1/M01/AC
NDC 050	⅜”	17.6	8.3	10.6	5.0	439	264	221	8.25	GFNB 0025 M1/M01/AC
NDC 140	⅜”	53	25	32	15	439	264	221	8.25	GFNB 0025 M1/M01/AC
NDC 300	⅜”	106	50	64	30	650	264	221	13.0	GFNB 0025 M1/M01/AC
NDC 600	⅜”	212	100	127	60	1189	264	330	19.0	GFNB 0025 M1/M01/AC
NDC 900N	1”	318	150	191	90	764	427	288	45.0	GFNB 0050 M1/M01/AC
NDC 1200N	1”	424	200	254	120	764	427	288	45.0	GFNB 0050 M1/M01/AC

SPECIFICATIONS	NDC 015 TO NDC 300	NDC 600 TO NDC 1200N
Design operating pressure range (barg)	4 to 10	4 to 12
Recommended operating temperature range (°C)	1.5 to 20	
Design operating temperature range (°C)	40 to 50	
Power supply requirements	110 - 240V AC (50/60Hz)	
Maximum noise level (during depressurisation)	60 dBA [6]	
Manufacturing quality standards	ISO 9001:2015 & CE	

OUTLET GAS QUALITY	STANDARD	OPTIONAL
Maximum CO_2 content (ppm)	1	-
Maximum pressure dew point (°C)	-70	-
Maximum particulate size (micron)	1	0.01 [2]
Maximum oil content (ppm)	-	0.003 [3]

PRESSURE CORRECTION FACTORS									
Inlet air pressure (barg)	4	5	6	7	8	9	10	11	12
Correction factor	0.63	0.75	0.88	1	1.13	1.25	1.38	1.50	1.63

(1) At inlet conditions of 7 barg and 20°C and up to 375 ppm CO_2.

(2) Requires addition of a nano M01 particulate after filter at the outlet.

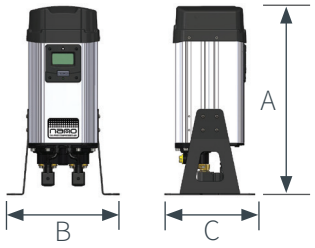
(3) Requires addition of a nano M01 coalescing pre filter and an AC activated carbon filter at the inlet. Recommended for compressed air systems using an oil flooded compressor.

(4) NDC 015 to NDC 600 have push to connect fittings on the inlet and outlet. All other models have BSPP threaded connections.

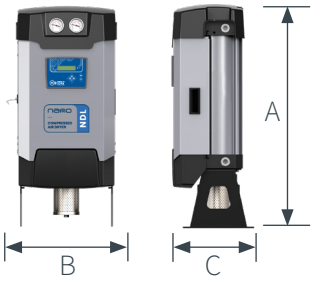
(5) NDC 015 to NDC 300 rated to 10 barg.

(6) NDC 900N to NDC 1200N - noise level is <80 dBA (during purge).

(7) Technical specifications subject to change without notice. Direct inquiries to sales_uk@nano-purification.com or contact +44 (0) 191 497 7700.



NDC 015 to NDC 600



NDC 900N & NDC 1200N

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