

Oil Vapour Removal System

Features

- Designed to reduce oil vapour and odour from any compressed air system using activated carbon towers. Reduces residual oil content to lower than 0.003 mg/m³ @ 35°C and 7 barg inlet pressure.
- When sized correctly to your inlet conditions, this unit consistently delivers ISO 8573-1 air quality (Class 1 for oil). Built from high-quality extruded aluminium, its modular design ensures reliable performance and maintains required air purity for a minimum of 12⁽¹⁾ months of continuous operation.
- Featuring a unique adsorbent-filled activated carbon cartridge with integrated diffusers and a built-in 1-micron dust filter, the system provides complete purification without the need for any external downstream filtration.
- Cartridges allow quick, clean and efficient maintenance.
- Its advanced design minimises differential pressure, ensuring highly efficient, economical operation and consistently reliable airflow.
- Can be installed in the compressor room or at the point of use to protect critical applications and personnel.



Modular Design



Compact and lightweight with flexible outlet piping arrangement allowing ease of access and simple installation.

Snowstorm Filled



Ensures optimum performance while eliminating desiccant attrition and blocked filters associated with twin tower designs.

nano V¹: Oil Vapour Removal System

MODEL	INLET & OUTLET	RATED FLOW ⁽¹⁾ Nm ³ /h	DIMENSIONS (MM)			APPROX. WEIGHT KG	SERVICE KIT ⁽²⁾	
	NPT		A	B	C		PART NO.	QTY.
NVR 0040	½"	68	865	263	210	12.8	NVR SK 040	1
NVR 0185	1"	315	705	426	250	40	NVR SK 185	1
NVR 0370	1"	630	885	426	250	50	NVR SK 370	1
NVR 0750	2 ½"	1275	870	400	575	103	NVR SK 370	2
NVR 1100	2 ½"	1870	870	400	742	142	NVR SK 370	3
NVR 1500	2 ½"	2550	870	4000	910	180	NVR SK 370	4

SPECIFICATIONS

Maximum working pressure (barg)	16 ⁽³⁾
Recommended operating temperature range (°C)	1.5 to 35
Maximum operating temperature (°C)	50
Estimated cartridge life (hours)	6000 ⁽⁴⁾

INLET AIR QUALITY REQUIREMENTS ⁽⁵⁾

Maximum particulate size (micron)	0.01
Maximum pressure dew point (°C)	-40
Maximum oil content (ppm)	0.05

PRESSURE CORRECTION FACTORS ⁽⁶⁾

Inlet air pressure (barg)	1	2	3	4	5	6	7-16
Correction factor	0.25	0.37	0.50	0.62	0.75	0.87	1.00

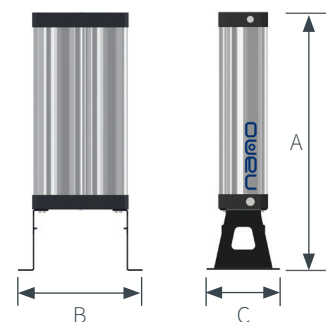
TEMPERATURE CORRECTION FACTORS ⁽⁶⁾

Inlet air temperature (°C)	<35	40	45	50
Correction factor	1.00	0.98	0.96	0.95

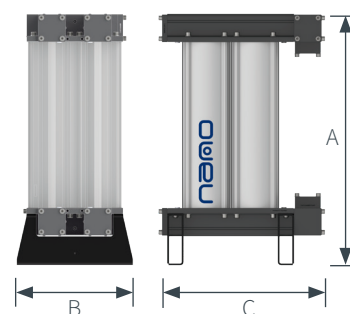
DEW POINT CORRECTION FACTORS ⁽⁶⁾

Inlet air temperature (°C)	>+3	<+3
Correction factor	0.25	1.00

- (1) At inlet conditions of 7 barg and 35°C ambient temperature. For all other operating conditions refer to the correction factors above.
- (2) Includes purification cartridges (including integral inlet diffusers and outlet particulate filters) and all o-rings.
- (3) Maximum working pressure of 16 barg (NVR 0750 to NVR 1500 rated 15 barg Canada only for CRN).
- (4) Provided as an estimate only. Cartridges must be replaced as required to maintain adequate air quality in accordance with all applicable codes and regulations.
- (5) If the air doesn't meet these conditions, contact sales_uk@airandgassolutions.com to confirm the additional treatment required.
- (6) To be used as a rough guide only. All applications should be confirmed by nano. Contact sales_uk@airandgassolutions.com.



NVR 0040 to NVR 0370



NVR 0750 to NVR 1500

Technical specifications subject to change without notice.
Publication Reference: VI-UK-EN-Version-000
©2026 Air & Gas Solutions LLC

nano
Experience. Customer. Service.

nano-purification solutions
www.nano-purification.com

United Kingdom
Gateshead, United Kingdom
Phone: +44 (0) 191 497 7700
Email: sales_uk@airandgassolutions.com

United States | Canada | United Kingdom | Singapore