

## 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/m<sup>3</sup> @ 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<sup>(1)</sup> 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 V<sup>1</sup>: Oil Vapour Removal System

MODEL	INLET & OUTLET	RATED FLOW <sup>(1)</sup> Nm <sup>3</sup> /h	DIMENSIONS (MM)			APPROX. WEIGHT KG	SERVICE KIT <sup>(2)</sup>	
	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 <sup>(3)</sup>
Recommended operating temperature range (°C)	1.5 to 35
Maximum operating temperature (°C)	50
Estimated cartridge life (hours)	6000 <sup>(4)</sup>

## INLET AIR QUALITY REQUIREMENTS <sup>(5)</sup>

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

## PRESSURE CORRECTION FACTORS <sup>(6)</sup>

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

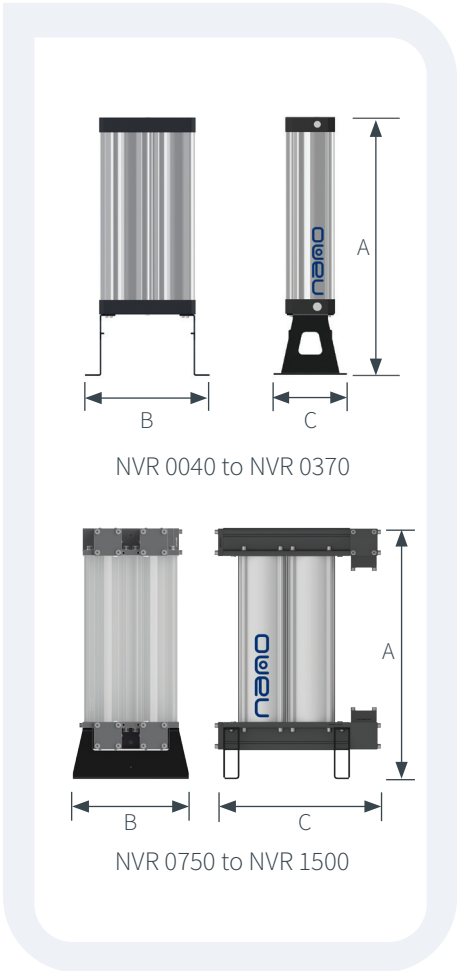
## TEMPERATURE CORRECTION FACTORS <sup>(6)</sup>

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

## DEW POINT CORRECTION FACTORS <sup>(6)</sup>

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](mailto: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](mailto:sales_uk@airandgassolutions.com).



Technical specifications subject to change without notice.  
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