

## Oil Vapor Removal System

### Features

- Designed to reduce oil vapor and odor from any compressed air system using activated carbon towers. Reduces residual oil content to lower than 0.003 mg/m<sup>3</sup> @ 95°F and 100 psig 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 aluminum, 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 minimizes 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 Vapor Removal System

MODEL	INLET & OUTLET	RATED FLOW <sup>(1)</sup>	DIMENSIONS (INCHES)			APPROX. WEIGHT	SERVICE KIT <sup>(2)</sup>	
	NPT	SCFM	A	B	C	LBS	PART NO.	QTY.
NVR 0040	½"	40	34.1	10.4	8.3	28	NVR SK 040	1
NVR 0185	1"	185	27.8	16.8	9.8	88	NVR SK 185	1
NVR 0370	1"	370	34.6	16.8	9.8	110	NVR SK 370	1
NVR 0750	2 ½"	750	34.3	15.8	22.6	227	NVR SK 370	2
NVR 1100	2 ½"	1100	34.3	15.8	29.9	313	NVR SK 370	3
NVR 1500	2 ½"	1500	34.3	15.8	35.8	397	NVR SK 370	4

SPECIFICATIONS	
Maximum working pressure (psig)	232 / 218 <sup>(3)</sup>
Recommended operating temperature range (°F)	36 to 95
Maximum operating temperature (°F)	122
Estimated cartridge life (hours)	122 <sup>(4)</sup>

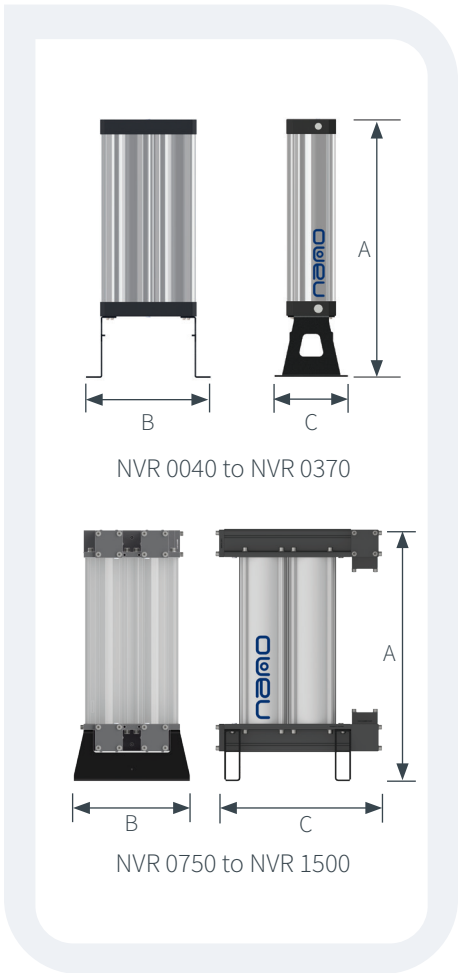
INLET AIR QUALITY REQUIREMENTS <sup>(5)</sup>	
Maximum particulate size (micron)	0.01
Maximum pressure dew point (°F)	-40
Maximum oil content (ppm)	0.05

PRESSURE CORRECTION FACTORS <sup>(6)</sup>	
Inlet air pressure (psig)	14    29    44    58    73    87    100-232
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 (°F)	<95    104    113    122
Correction factor	1.00    0.98    0.96    0.95

DEW POINT CORRECTION FACTORS <sup>(6)</sup>	
Inlet air temperature (°F)	>+37    <+37
Correction factor	0.25    1.00

- (1) At inlet conditions of 100 psig and 95°F 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 232 psig (NVR 0750 to NVR 1500 rated 218 psig 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 support@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 support@airandgassolutions.com.



Technical specifications subject to change without notice.  
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