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/m³ @ 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(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 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 V¹: Oil Vapor Removal System

MODEL	INLET & OUTLET	RATED FLOW (1)	DIMENSIONS (INCHES)			APPROX. WEIGHT	SERVICE KIT (2)	
	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 (3)
Recommended operating temperature range (°F)	36 to 95
Maximum operating temperature (°F)	122
Estimated cartridge life (hours)	122 (4)

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

PRESSURE CORRECTION FACTORS (6)							
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 (6)				
Inlet air temperature (°F)	<95	104	113	122
Correction factor	1.00	0.98	0.96	0.95

DEW POINT CORRECTION FACTORS (6)		
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.

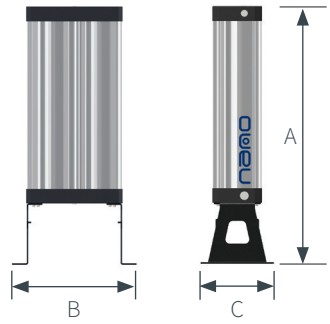
(2) Includes purification cartridges (including integral inlet diffusers and outlet particulate filters) and all o-rings.

(3) Maximum working pressure of 232 psig (NVR 0750 to NVR 1500 rated 218 psig Canada only for CRN).

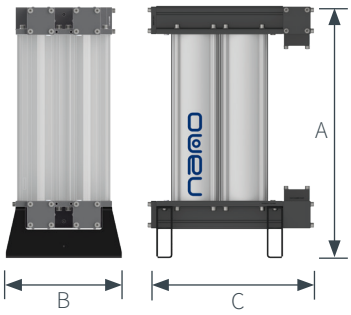
(4) Provided as an estimate only. Cartridges must be replaced as required to maintain adequate air quality in accordance with all applicable codes and regulations.

(5) If the air doesn't meet these conditions, contact canadasupport@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 canadasupport@airandgassolutions.com.



NVR 0040 to NVR 0370



NVR 0750 to NVR 1500

Technical specifications subject to change without notice.
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