

# breathing air purification modules

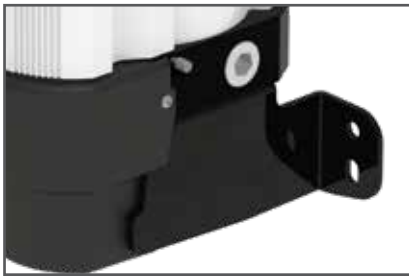
## FEATURES

- simple, reliable replacement purifier modules for existing breathing air systems
- reduce expense of maintaining an obsolete breathing air purifiers
- 5 models with rated flows from 30 to 960 scfm
- free standing purifiers are compact, simple to operate, easy to install and provide reliable long-term performance in a state of the art design
- cartridges include an inlet diffuser, a mixed bed purifier to remove odor, taste and carbon monoxide (CO) and a F<sup>1</sup> 1.0 micron particulate outlet filter for long service life with minimum maintenance
- corrosion resistant extruded aluminum design and optional CO monitor
- applications include abrasives blasting, paint and finishing, confined spaces and hazardous locations



### optimum flexibility

requires no power, needs no controls and can be either floor or wall mounted <sup>(1)</sup> for optimum installation flexibility



### multi-stage cartridges

unique multi-stage cartridges are pre-measured and snow storm filled for easy maintenance and long life



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# SPECIFICATIONS

model	inlet & outlet		rated flow <sup>(1)</sup>		dimensions (inches)			approx. weight		service kit <sup>(2)</sup>	
	NPT (f)	scfm	Nm <sup>3</sup> /h	A	B	C	lbs	part no.	qty		
NBM 030	½"	30	51	10.4	8.3	24.6	27	NBM SK 030	1		
NBM 120	1"	120	203	17.3	9.7	24.6	84	NBM SK 120	1		
NBM 240	1"	240	407	17.3	15.0	31.7	100	NBM SK 240	1		
NBM 480	2"	480	815	15.7	22.6	34.3	227	NBM SK 240	2		
NBM 720	2 ½"	720	1223	15.7	21.7	34.3	313	NBM SK 240	3		
NBM 960	2 ½"	960	1630	15.7	28.3	34.3	397	NBM SK 240	4		

## specifications

maximum working pressure	232 psig
recommended operating temperature range	35 to 86°F
maximum design temperature	122°F
estimated cartridge life	8000 hours <sup>(3)</sup>

## inlet air quality requirements <sup>(4)</sup>

maximum particulate size	0.5 micron
minimum pressure dew point	-40°F pdp
maximum oil content	0.01 ppm
maximum CO content	50 ppm
maximum CO <sub>2</sub> content	500 ppm

## performance

maximum outlet air CO content	5 ppm
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(1) at inlet conditions of 100 psig and 77°F, and 100°F ambient temperature. For all other operating conditions contact support@n-psi.com for sizing assistance

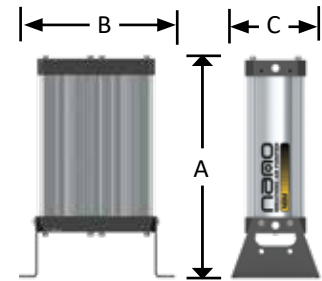
(2) includes purification cartridges (including integral inlet diffusers and outlet particulate filters) and all o-rings

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

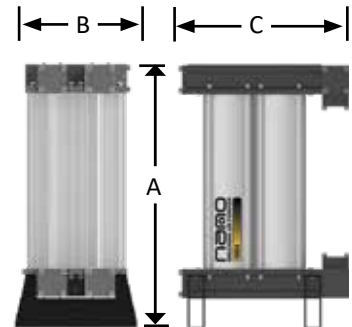
(4) if the air doesn't meet these conditions, contact support@n-psi.com to confirm the additional treatment required

(5) models NBM 120 & NBM 240 can be wall mounted (separate wall mounting kit required)

(6) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182



NBM 030 to 240



NBM 480 to 960