



breathing air purifier

flow capacity: 203 - 1630 Nm³/hr

BAM

No matter what application it is,
we have a reliable solution for you



We are dedicated to the application of gas filtration and drying technologies, constantly providing customers with technical solutions that meet on-site requirements.

Reliable, energy-saving and environmentally friendly

Providing a full range of excellent products and solutions around industrial and medical application technologies reflects our industry capabilities and professional level.

Clean and dry compressed air

Clean, dry, pollution-free compressed air is crucial for safe, efficient and energy-saving equipment operation. Pollutants in compressed air can cause equipment operation failures, damage, and even endanger human life and health.

Decades of application experience have taught us that efficient filtration and drying of compressed air is a fundamental measure to save costs and ensure safety.

Improve the energy efficiency of compressed air

Compressed air consumes a large amount of money. In the filtration, drying and transportation stages, excessive consumption means more costs will be added.

Using appropriate filtration and drying methods and using efficient and energy-saving air compressor post-processing products can optimize system functions and minimize energy consumption.

breathing air purifier

Are there some purification indicators of your compressed air breathing system that cannot be met? If there are already devices such as filters, dryer and monitors in the system, you only need to add an SR breathing air purifier module, and your compressed air breathing system will be able to work properly.

These free standing purifiers are small, simple to operate and easy to install. With unique catalyst purifier cartridges that are easy to replace, these compact and cost effective modules provide reliable long-term performance in a state of the art design.

NBM requires no power, needs no controls and can be either floor or wall mounted for optimum installation flexibility. The multi-stage disposable purification cartridges include an inlet diffuser, a mixed bed purifier to remove odor, taste and Carbon Monoxide (CO), and a 1.0 micron particulate outlet filter for a long service life with minimum maintenance.

With flow rates from 203 to 1630 Nm³/hr, a corrosion resistant extruded aluminum design, the BAM breathing air purifier will give your breathing air system a breath of fresh air.

Benefits - odour free,efficiently removes carbon monoxide



air quality guarantee

- When the air inlet conditions are met, the CO content of the filtered compressed air is not higher than 5ppm
- It can be installed at the point of use to for breathing applications

modular construction

- Compared to traditional towers, it is more compact and lighter in weight
- More convenient installation

simple maintenance

- It is more convenient and faster to replace the spares
- Built-in outlet filter ensures the air quality downstream
- Adsorbent is filled with a "snow storm" method to ensure performance, while being more efficient than traditional methods and less likely to be powdered and blocked.

sizing & specifications

model	service kit		inlet & outlet	rated flow		dimensions (mm)			weight
	part no.	qty		scfm	Nm ³ /h	A	B	C	
BAM 120	BAM SK 120	2	1"	120	203	440	250	630	38
BAM 240	BAM SK 240	2	1"	240	407	440	250	830	45
BAM 360	BAM SK 240	2	1"	295	500	440	250	1040	63
BAM 480	BAM SK 240	4	2"	480	815	400	575	890	103
BAM 720	BAM SK 240	6	2"	720	1223	400	741	890	142
BAM 960	BAM SK 240	8	2 ½"	960	1630	400	907	890	180

specifications

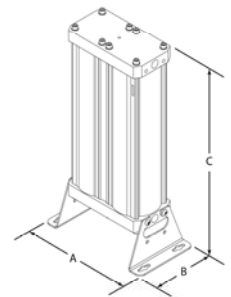
maximum working pressure	12 barg
recommended operating temperature range	2 to 30°C
maximum operation temperature	30°C
estimated cartridge life	8000 hrs ⁽³⁾

inlet air quality requirements

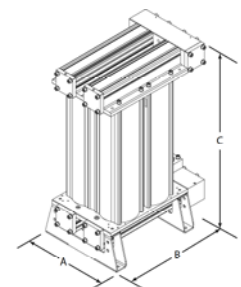
maximum particulate size	0.5 micron
maximum pressure dew point	-40°C pdp
maximum oil content	0.01 mg/m ³
maximum CO content	50 ppm
maximum CO ₂ content	500 ppm

performance

maximum outlet air CO content	5 ppm
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BAM 120 to 240



BAM 480 to 960

- (1) at inlet conditions of 7 barg and 38°C, and 38°C ambient temperature. For all other operating conditions please contact us by sending an email to sales@gas-psi.com.
- (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 us to confirm the additional treatment required.



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