NBA 090
54 scfm inlet / 36.3 scfm outlet breathing air purifier

nano NBA modular breathing air purification systems use the latest technology to provide clean, reliable and safe breathing air that meets or exceeds international standards. The NBA range are based on the tested and proven nano D[1|2|3] modular dryers but employ a unique split cartridge system to completely treat air prior to respiration. While many systems only remove particulate, oil, odor and taste, the NBA range also removes carbon monoxide (CO) and scrubs carbon dioxide (CO_2) levels to exceed the most stringent standards.

general characteristics	
inlet rated capacity (scfm) [1]	54
outlet rated capacity (scfm) [1]	36.3
absorbed power (kW)	0.0360
power supply (V/Ph/Hz) [2]	100-240 VAC / 50 or 60 Hz
operating limits	
design operating pressure range (psig)	87 to 232
recommended operating temperature range (°F)	50 to 86
minimum design inlet temperature (°F)	35
maximum design inlet temperature (°F)	122
desiccant chambers	
4-layer mixed bed cartridge type	activated alumina, molecular sieve, activated carbon & catalyst
replacement cartridge (part no)	NBA SK 090
filtration	
0.01 micron pre filter	NF 0090 M01
1.0 micron pre filter	NF 0090 M1
1.0 micron after filter	integrated
controls/design	
dryer design	PSA
controller type	PLC
NEMA rating	NEMA 1
air circuit	
inlet air circuit connections (NPT (F))	1"- quantity 1
outlet air circuit connections (NPT (F))	1" - quantity 1
meets or exceeds breathing air specification	
United States	CGA7.1 OSHA Grade D
Canada	CSA Z180.1-13
UK & Europe	EN12021

features

- c-ETL-US certification
- includes separate F[1] M01 and M1 grade high-efficiency coalescing filters (shipped loose) and a built in 1 micron after filter
- patented combined filter & desiccant cartridge
- robust modular compact aluminum design
- floor or wall mounted installation (wall mounting kit optional)
- reliable high-performance valves

- tower pressure gauges
- tower equalization for constant flow and pressure
- designed for tough industrial settings
- integrated compressor synchronization function
- supplied with separate CO monitor with visual and audible alarms (shipped loose)
- 4-layer mixed bed cartridge removes CO and scrubs CO_2
- energy saving dew point control (optional)

(1) flows based on 100 psig and 86°F inlet temperature. For all other conditions, contact support@n-psi.com
(2) optional 24 V DC

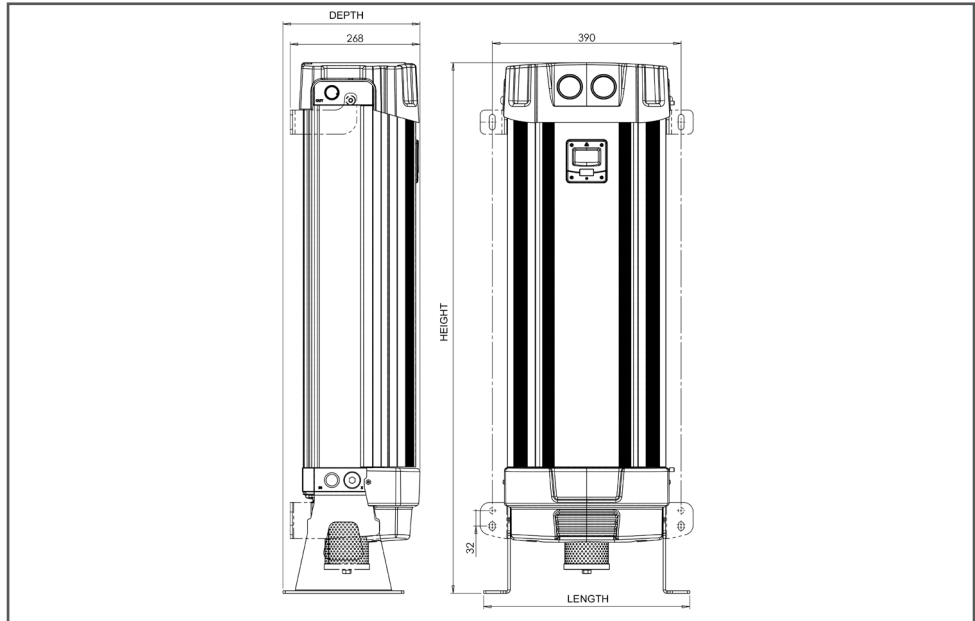## Experience. Customer. Service.

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nano

technical specification

advanced PLC features

- digital interface
- digital LED display
- outlet air dew point indication (with ES option)
- user programmable operating parameters
- alarm indication

dimensions & weight	
length ins (mm)	16.8 (426)
depth ins (mm)	11.1 (283)
height ins (mm)	41.0 (922)
weight lbs (kgs)	119 (54)

accessories

wall mounting kit

description	fits	part number
NBA wall mounting kit	NBA 090	NMK 131

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