



Atlas Copco



Breathing Air Purifier

BAP12-142(+) Series



Breathing air that complies with international breathing air standards

High quality air is of vital importance to many industries but even more so in breathing air applications. Atlas Copco BAP/BAP+ Breathing Air Purifiers are designed to offer protection against a range of contaminants that may be present in a compressed air fed breathing air system. These include fumes, oil, vapors, gases, solid particles and micro-organisms. Complying with International Breathing Air standards, the BAP/BAP+ Breathing Air Purifier range assures a safe working environment in a wide range of applications.

Breathing air applications:

- Short-blasting
- Tank cleaning
- Tunneling
- Pharmaceutical manufacturing
- Spray painting
- Offshore/marine
- Asbestos removal
- High-pressure cylinder filling



Innovation

The breathing air purifier is fitted with a patented purge nozzle design with multiple orifice sizes*, enabling the purge rate to be adjusted to suit customer requirement, instead of delivering a set of fixed nozzles.



Compact operation

Through clever component positioning, the BAP/BAP+ fits into any space or setting. It comes pre-assembled and ready for use, ensuring minimal installation time and cost.

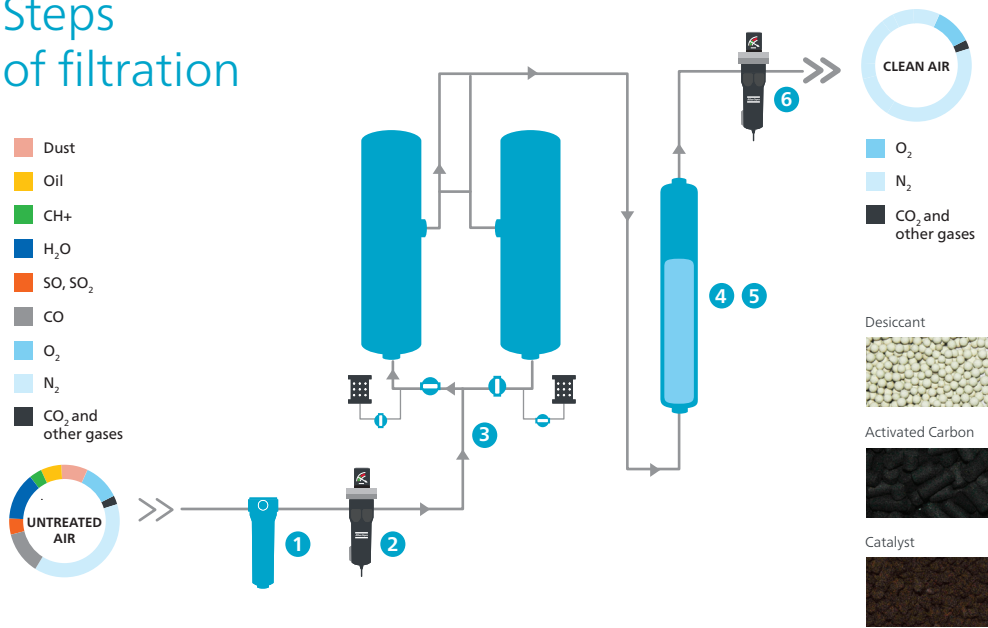


Energy efficiency

The BAP/BAP+ series incorporates state-of-the-art energy management control with built-in purge control* as standard (optionally on the BAP series). The purge saver stops the purge flow when the dew point level remains low, leading to a more efficient use of energy.

* The patented purge nozzle and purge control are not available on the BAP12-17.

6 Steps of filtration



1 2

A water separator for free water removal together with a fine and coarse coalescing filter, removes oil aerosol to less than 0.01 mg/m³.

3

A heatless desiccant dryer reduces moisture content to a pressure dew point of -40°C/-40°F, removing any risk of condensation, bacteria and mold growth.

4 5

A dual cleaning stage includes activated carbon to eliminate hydrocarbons (oil vapor, smells, etc.). A catalyst then converts CO into CO₂.

6

A bacterial filter at the exit removes bacteria and particles that may have been introduced in the desiccant stages with a count efficiency of 99.99%.

Choose the **best fit** for your requirement

BAP with basic controller

- Easy to use LED screen
- Microcontroller based design
- Dual voltage Device (115-230V)
- Alarm outputs to indicate solenoid faults, power faults and service intervals

BAP+ with advanced Elektronikon® controller

- 3,5" high definition display
- Standard purge control for up to 90% energy savings
- Alarms and warnings on PDP, net pressure and service
- Service warning indications for desiccant, catalyst, filters and water drains
- Pressure sensor on outlet for full control over the dryer's performance

Option	BAP	BAP+
EWD on filters and water drain	O	O
Inlet solenoid for remote control	-	O
Canadian CSA Option Kit (incl. NPT connection)	O	O
QDT quality indicator	O	O
Catalyst (CO to CO ₂)	O	O
CO sensor	O	O
CO ₂ sensor	O	O
O ₂ sensor	O	O
Overflow protection (nozzle)	O	O
Gateway (Profibus, Modbus)	-	O

-: Not available O: optional

