## Compressed air Filter AirPure K for breathing air treatment



With Safety.

For processing compressed air from an operational compressed air network into clean breathing air, compressed air filters are available as transportable **breathing air cases** with an air flow rate of 500 l/min (30  $m^3/h$ ) for max. two persons wearing breathing apparatus. This means that even hard-to-reach working environments with adverse conditions can be accessed, and the user is safely supplied with breathing air.



Compressed air treatment takes place in three stages in all units. In stages 1 and 2, the air flows through two differently designed particle filters, which are designed to remove water aerosols and dirt particles. The first stage cleans coarser aerosols and particles down to 1  $\mu$ m and oil down to a residual oil content of < 0.5 mg/m3. This relieves the load on submicro particle filters and activated carbon filters and increases their service life.

The 2nd stage cleans the finer aerosols and particles flowing through up to 0.01  $\mu$ m and oil up to a residual oil content of < 0.01 mg/m3.

In the 3rd stage, odors and oil vapors up to a residual oil content of < 0.00 mg/m3 are removed by an adsorption activated carbon filter.

residual oil content of < 0.003 mg/m3. The working pressure required for the respirators to be connected can be set on all units via a lockable pressure regulator. AK2 breathing air couplings are installed as standard for extracting the breathing air.

		Power		Item	Particle filtration	Residual oil content
Level	Тур	m³/h	l/min		μm	mg/m <sup>3</sup> .
Level 1	APF23MFO	35	583	APE26MFO	1	0,5
Level 2	APF23SMA	35	583	APE26SMA	0,01	0,01
Level 3	APF73CAK	30	500	APE70CAK	N/A	0,003

Revision 11.2023- Errors and omissions excepted. All data are non-binding guide values.

## BartelsRieger Atemschutztechnik GmbH

Richard-Byrd-Straße 23 | 50829 Cologne | Phone +49 (0)221 59777-0 | mail@bartels-rieger.de | www.bartels-rieger.de Ust.-IdNr. DE 815603312 | St.-Nr. 217/5811/1510 | Reg.-Gericht Köln | HRB 54098 | Managing Director: Tobias Rutt