

## Compressed air filter AirPure W for breathing air treatment



With Safety.



Compressed air filters, for wall mounting, are available for processing compressed air from an operational compressed air network into clean breathing air. In this way, users are permanently and safely supplied with breathing air. In the standard version, the wall-mounted unit, with an air flow rate of 500 l/min (30 m³/h), supplies max. two persons wearing breathing apparatus.

	Level 1	Level 2	Level 3
Typ	APF23MFO	APF23SMA	APF73CAK
Power	35 m³/h	35 m³/h	30 m³/h
	583 l/min	583 l/min	500 l/min
Element	APE26MFO	APE26SMA	APE70CAK
Particle-filtration	1 µm	0,01 µm	N/A
Residual oil content	0,5 mg/m³	0,01 mg/m³	0,003 mg/m³

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 µm and oil down to a residual oil content of < 0.5 mg/m³. This relieves the load on sub-micro 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 µm and oil up to a residual oil content of < 0.01 mg/m³.

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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.

If the air flow rate is not sufficient, our ALW+, with the specifications listed below, can be used.

	Level 1	Level 2	Level 3
Typ	APF73MFO	APF73SMA	APF79CAK
Power	90 m³/h	90 m³/h	60 m³/h
	1500 l/min	1500 l/min	1000 l/min
Element	APE70MFO	APE70SMA	APE78CAK
Particle-filtration	1 µm	0,01 µm	N/A
Residual oil content	0,5 mg/m³	0,01 mg/m³	0,003 mg/m³



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

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