

USER MANUAL

Combined filters

NA-091-R00

IMPORTANT!

Keep the manual for future reference!
To ensure your safety, please read and remember the following instructions before use.
The filters should be used only for the purposes listed in this manual. If any rule or instruction stated in this manual is not observed, the warranty becomes null and void!

Filters can only be used if the following rules are, or have been, observed:

- The user must be aware of the nature of the contamination and the level of concentration in the ambient air.
- The oxygen concentration in the ambient air in the premises where the unit is used must not drop below 17 percent.
- The air purifying unit must not be used in confined spaces, e.g. enclosed containers, tunnels, channels, etc.
- Warning: high concentration of vapours that are heavier than air can occur at low height above the ground.
- Gas filters do not provide any protection against particles.
- In case of contamination of working environment by both gas and particles it is necessary to use the combined filters.
- Special regulations must be observed in case of contamination by gases that are hard to identify.
- Filters must be replaced at the latest when breathing resistance becomes too high, or when you notice a change in the odour of the supplied air, or when the PAPR signalsizes clogged filters (trigger alarm).
- Only certified and original filters that are intended for use in your CleanAIR[®] filtration unit can be used.
- Expired filters must not be used. The expiry date is indicated on each filter.
- Be careful when working in an environment where open flame or flying hot particles are present. The filter may catch fire and the wearer's life can be in danger!
- Filters that filter out mercury (Hg) must not be used for more than 50 hours!
- Filters may be used for a single shift only – do not reuse!
- All filters used in the unit at the same time must be of the same type.
- All combined and gas filters of the class 2 (e.g. A2B2E2K2) are certified to a maximum airflow of 80 l/min through one filter, class 1 filters (e.g. A1B1E1P R SL) to 105 l/min. The maximum airflow must be respected – if exceeded, the protective performance of the respiratory protection cannot be guaranteed.

Filter replacement:

Remove the filter by unscrewing counter-clockwise / attach it by screwing clockwise.
WARNING! Before you install new filters, make sure they are new, intact, in their original packaging and that their shelf life period has not expired (as indicated on the body of each filter). You must also make sure the gasket in the connection between the filters and the unit is intact. It is necessary to make sure the filters are securely fastened, in order to provide tightness.

Recommendation: It's highlyly recommended to always use a pre-filter (50 01 10), except while working in dust - free environment. It can prolong a lifespan of the filter considerably. A pre-filter can be fixed onto the filter body using a plastic holder (50 01 09).

Filter selection based on the nature of air pollution

Choosing a filter: for deeper info see our CleanAIR[®] Filter guide at www.clean-air.cz/gf
A – organic gases and vapours (boiling point > 65°C); AX – organic gases and vapours (boiling point < 65°C); B – inorganic gases and vapours; E – sulphur dioxide and other acid gases; SX – special filters for the particular gas; K – ammonia and its organic derivatives; Hg – mercury; P – particles in a form of solid and liquid aerosols; Ozon – ozone in the maximum concentration of 20 mg/m³(10 ppm)

Product code:	Product name:	P-white	A-brown	AX-brown	B-grey	E-yellow	K-green	Hg-red	Ozone (ppm)	EN 12387	EN 12941	EN 12942	EN 12943	EN 12944	EN 12945	EN 12946	EN 12947	Note:
Gas filters with RD40x1/7" thread																		
50 01 56	A2		✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 01 61	B2			✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 01 59	K2			✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 01 58	A2B2								✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 01 63	A2B2E2								✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 01 69	A2B2E2K2								✓	✓	✓	✓	✓	✓	✓	✓	✓	-
Gas filters with OZ20x1/7" thread																		
50 11 61	B2								✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 11 59	K2								✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 11 58	A2B2								✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 11 63	A2B2E2								✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 11 69	A2B2E2K2								✓	✓	✓	✓	✓	✓	✓	✓	✓	-
Combined filters with RD40x1/7" thread																		
50 03 57	A1P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 01 57	A2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 01 70	A3AXP3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	single shift on
50 01 62	B2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 01 60	K2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 01 67	A2B2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 01 64	A2B2E2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 03 64	A1B1E1P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 01 68	A2B2E2K2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 01 65X	NBC - A2B2E2K2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	NBC filter
50 01 66	A2B2E2KH2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	max. 50 hours
Combined filters with two RD40x1/7" threads																		
50 02 57	A2P - ZERO		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	double thread
50 02 66	A3B2E2KH2P - ZERO		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	double thread
50 02 68	A2B2E2K2P - ZERO		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	double thread
50 02 65X	NBC - A2B2E2K2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	NBC filter
Combined filters with OZ40x1/7" thread																		
50 11 62	B2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 11 60	K2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 11 67	A2B2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 11 64	A2B2E2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 11 68	A2B2E2K2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
50 11 66	A2B2E2KH2P3		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	-
Filters with TE-110 thread (AerGeo®)																		
50 03 57	A1P R SL		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	special thread
50 03 64	A1B1E1P R SL		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	special thread

