

Product code

30 03 64

Description

Filter AerGO® A1B1E1P R SL - OZONE, provides protection against a combination of contaminants in the form of gases, vapours and solid and liquid particles + ozone.



Standards

TH3 A1B1E1 P R SL according to **EN 12941:1998 / A2:2008**

Compatibility

CleanAIR® AerGO® Powered air purifying unit (PAPR)

Group of contaminants	Protect against
A	Organic gases and vapours with a boiling point above 65 °C (e.g. toluene, benzene, styrene, kerosene, petrol, isobuthanol, ...)
B	Inorganic gases and vapours (e.g. fluorine, chlorine, hydrogen sulphide, hydrogen cyanide, hydrogen chloride, hydrogen peroxide, ...)
E	Acid gases and vapours (e.g. carbon dioxide, sulphuric acid, hydrochloric acid, formic acid, hydrogen fluoride, ...)
P	Solid particles in the form of liquid and solid aerosols (e.g. dust, smoke, fibres, bacteria, viruses and radioactive particles, ...)
OZONE	Protection against OZONE in concentration less than 20 mg/m³ (ppm) (the effectiveness tested according to Danish standard for measuring ozone, dated 26 March, 2001)

Weight

280 g

Dimensions

diameter 110 mm
height 65 mm

Materials

filter housing: ABS
filtration medium: microfiber glass media
activated charcoal

Thread

AerGO® compatible

Storage conditions
Operating conditions

-10°C to + 55°C, humidity 20 - 80 % RH
+10°C to + 40°C, humidity 20 - 80 % RH

Main requirements EN 12941:1998 / A2:2008

Breathing resistance with clean filters

30 l/min	max. 260 Pa
95 l/min	max. 980 Pa

Gas filter capacity with test gas (30 l/min - 0,5 % concentration)

Cyclohexane C ₆ H ₁₂	min. 35 min
Chlorine Cl ₂	min. 20 min
Hydrogen Sulphide H ₂ S	min. 40 min
Hydrogen Cyanide HCN	min. 25 min
Sulphur Dioxide SO ₂	min. 20 min
Ammonia NH ₃	min. 40 min
Mercury Hg (concentration 13 g/m ³)	min. 100 hod

Gas filter capacity with test gas (70 l/min - 0,1 % concentration)

Cyclohexane C ₆ H ₁₂	min. 70 min
Chlorine Cl ₂	min. 20 min
Hydrogen Sulphide H ₂ S	max. 40 min
Hydrogen Cyanide HCN	max. 25 min
Sulphur Dioxide SO ₂	max. 20 min
Ammonia NH ₃	min. 50 min
Mercury Hg (concentration 13 g/m ³)	min. 100 hod

Maximum permitted penetration of test aerosol at 95 l/min

Sodium Chloride NaCl	max. 0,05 %
Paraffin oil	max. 0,05 %

Filter AerGO® A1B1E1 P R SL - OZONE meets all requirements and comply with EN 12941. In addition, in most aspects the filter extensively surpasses the requirements of the standard. For more information please contact our sales department at export@malina-safety.cz.

Areas of application

Filter AerGO® A1B1E1 P R SL - OZONE may find application in heavy industrial environments, chemical industry, laboratories, pharmaceutical industry, remediation operations, automotive industry, shipbuilding industry, etc.

Limitations



- Please, read carefully relevant instruction for use and follow your national safety regulations for PPE.
- Disposal should be undertaken in accordance with local environmental, health and safety regulations.