→ FILTERS

Filters

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The complete production programme of CleanAIR® canister filters offers a wide choice of filters for most industrial applications, the pharmaceutical industry, laboratories and agriculture.

The filters are supplied with a standard connection thread RD40×1/7" according to EN 148-1.

Particle filters
They catch a wide range of solid particles in the form of liquid and solid aerosols such as dust, smoke, fibres, bacteria, viruses and radioactive particles. Certification: EN 143, EN 12941, EN 12942
Gas filters
Provide protection against contaminants in the form of gases and vapours. EN 14387, EN 12941, EN 12942
Combined filters
Provide protection against a combination of contaminants in the form of gases, vapours and solid particles. EN 14387, EN 12941, EN 12942

TYPES OF GAS FILTERS – EXAMPLES OF APPLICATION

Type: A • **Colour code:**
Areas of application: organic gases and vapours with a boiling point above 65 °C
The main group of these substances are hydrocarbons (e.g., toluene, benzene, xylene, styrene, cyclohexane, trichloroethylene, tetrachlormethan), organic solvents and thinners (petrol, kerosene, diesel, mineral turpentine, ethylenglycol, methyl isobutyl ketone, isobuthanol, etc.).

Type: AX • **Colour code:**
Areas of application: organic gases and vapours with a boiling point below 65 °C
Substances with a low boiling point are, for example, acetone, acetaldehyde, acrylaldehyde, butane, butadiene, diethyl ether, dichloro ether, dichloromethane, ethylene oxide, methanol, trichloromethane, vinyl chloride.

Type: B • **Colour code:**
Areas of application: inorganic gases and vapours, e.g., fluorine, chlorine, hydrogen sulphide, hydrogen cyanide, hydrogen bromide, hydrogen chloride, hydrogen peroxide.

Type: E • **Colour code:**
Areas of application: acid gases and vapours (e.g., carbon dioxide, sulphuric acid, hydrochloric acid, formic acid, hydrogen fluoride).

Type: K • **Colour code:**
Areas of application: ammonia and organic amines (e.g., methylamine, ethylamine, dimethylamine).

Type: Hg-PSL • **Colour code:**
Areas of application: Areas of application: mercury vapour and its compounds (always supplied in combination with a filter against particles P3).

PARTICLE FILTERS

Type: P3 • **Colour code:**
Dimensions: diameter / height: 110 mm / 50 mm
Weight: 90 g
Product code: 50 00 48

Type: P3 with two threads RD40×1/7" • **Colour code:**
Dimensions: diameter / height: 110 mm / 65 mm
Weight: 130 g
Connection: Inlet RD40×1/7", outlet RD40×1/7" (internal thread)
Areas of application: particles in the form of solid and liquid aerosols (dusts, fibres, toxic and non-toxic fumes, bacteria, viruses)
Product code: 50 02 48

GAS FILTERS

Type: A2 • **Colour code:**
Dimensions: diameter / height: 110 mm / 78 mm, **Weight:** 265 g
Areas of application: organic gases and vapours with a boiling point above 65 °C
Product code: 50 01 56

Type: B2 • **Colour code:**
Dimensions: diameter / height: 110 mm / 78 mm, **Weight:** 400 g
Areas of application: inorganic gases and vapours
Product code: 50 01 61

Type: K2 • **Colour code:**
Dimensions: diameter / height: 110 mm / 78 mm, **Weight:** 265 g
Areas of application: ammonia and organic amines
Product code: 50 01 59

Type: A2B2 • **Colour code:**
Dimensions: diameter / height: 110 mm / 78 mm, **Weight:** 400 g
Areas of application: organic gases and vapours with a boiling point above 65 °C and inorganic gases and vapours
Product code: 50 01 58

Type: A2B2E2 • **Colour code:**
Dimensions: diameter / height: 110 mm / 78 mm, **Weight:** 400 g
Areas of application: organic gases and vapours with a boiling point above 65 °C, inorganic gases and vapours and acid gases and vapours
Product code: 50 01 63

Type: A2B2E2K2 • **Colour code:**
Dimensions: diameter / height: 110 mm / 78 mm, **Weight:** 400 g
Areas of application: organic gases and vapours with a boiling point above 65 °C, inorganic gases and vapours, acid gases and vapours, ammonia and organic amines
Product code: 50 01 69

COMBINED FILTERS

Type: A2P3 • **Colour code:**
Dimensions: diameter / height: 110 mm / 95 mm, **Weight:** 325 g
Areas of application: organic gases and vapours with a boiling point above 65 °C, particles
Product code: 50 01 57

Type: A1P3 – filter with low sorption capacity – class 1
Filter is not suitable against very high concentration of contaminants • **Colour code:**
Dimensions: diameter / height: 110 mm / 95 mm, **Weight:** 295 g
Areas of application: organic gases and vapours with a boiling point above 65 °C, particles
Product code: 50 03 57

Type: B2P3 • **Colour code:**
Dimensions: diameter / height: 110 mm / 95 mm, **Weight:** 400 g
Areas of application: inorganic gases and vapours, particles
Product code: 50 01 62

Type: K2P3 • **Colour code:**
Dimensions: diameter / height: 110 mm / 95 mm, **Weight:** 400 g
Areas of application: ammonia and organic amines, particles
Product code: 50 01 60

Type: A2B2P3 • **Colour code:**
Dimensions: diameter / height: 110 mm / 95 mm, **Weight:** 425 g
Areas of application: organic gases and vapours with a boiling point above 65 °C, inorganic gases and vapours, particles
Product code: 50 01 67

Type: A2B2E2P3 • **Colour code:**
Dimensions: diameter / height: 110 mm / 95 mm, **Weight:** 400 g
Areas of application: organic gases and vapours with a boiling point above 65 °C, inorganic gases and vapours, acid gases and vapours, particles
Product code: 50 01 64

Type: A1B1E1P3 – filter with low sorption capacity – class 1
Filter is not suitable against very high concentration of contaminants • **Colour code:**
Dimensions: diameter / height: 110 mm / 95 mm, **Weight:** 280 g
Areas of application: Areas of application: organic gases and vapours with a boiling point above 65 °C, inorganic gases and vapours, acid gases and vapours, particles
Product code: 50 03 64

Type: A2B2E2K2P3 • **Colour code:**
Dimensions: diameter / height: 110 mm / 95 mm, **Weight:** 400 g
Areas of application: organic gases and vapours with a boiling point above 65 °C, inorganic gases and vapours, acid gases and vapours, ammonia and organic amines, particles
Product code: 50 01 68

Type: A2B2E2K2HgP3 • **Colour code:**
Dimensions: diameter / height: 110 mm / 95 mm, **Weight:** 425 g
Areas of application: organic gases and vapours with a boiling point above 65 °C, inorganic gases and vapours, acid gases and vapours, ammonia and organic amines, mercury compounds and vapours, particles
Product code: 50 01 66

Type: A2B2E2SXP3 • **Colour code:**
Dimensions: diameter / height: 110 mm / 95 mm, **Weight:** 400 g
Areas of application: organic gases and vapours with a boiling point above 65 °C, inorganic gases and vapours, acid gases and vapours, particles and OZONE. (Ozone is formed in the welding arc, especially during plasma-arc, MIG and TIG processes.)
Product code: 50 01 73