



200 Series Filters

Protection against dusts, fumes and mists

DATA SHEET

EN 14387:2004+A1:2008

242 ABE2

Cod. 8011133



EN 14387:2004 performance test		ABE2	242
Minimum breakthrough time (min)	Cyclohexane C6H12 (5000 ppm)	> 35	51
	Chlorine Cl2 (5000 ppm)	> 20	27
	Hydrogen Sulphide H2S (5000 ppm)	> 40	>70
	Hydrogen Cyanide HCN (5000 ppm)	> 25	38
	Sulphur Dioxide SO2 (5000 ppm)	> 20	21
Breathing resistance (mbar)	inhal 30 l/min	< 1,4	0,5
	inhal 95 l/min	< 5,6	1,8



Characteristics

242 is a gas filter and protects against gaseous contaminants. 242 filter is equipped with a bayonet connection allowing to use it, in pair, on BLS half masks EVO R e EVO S and on full face masks BLS 5600 and BLS 5700.

Application

242 filter protects against organic, inorganic and acid gases and vapours and sulphur dioxide. Gases must have a boiling point above 65°C. It is classified in terms of capacity as a class 2 gas filter (medium capacity filter).

Protection

Exposure limit for 242 filter:
with half mask: for gases and vapours 50* x TLV
with full face mask: for gases and vapours 2000* x TLV
* NPF as defined in EN 529:2005 standard.

Materials

242 filter is made with the following materials:
• filter case: ABS
• filtering component: carbon layer ABE type

Height (bayonet excluded): 32 mm
Diameter: 93 mm
Weight: 110±4 g

These filters can be used on full face masks and half masks.

Certification

242 filter meets the requirements of EN 14387:2004 standard and is CE marked, as provided by 89/686/EEC European Directive, as a PPE of III category. Italcert S.r.l. (Notified Body n° 0426) is the responsible of the certification (Art. 10) and of the product control with surveillance (Art.11.B). All the products are manufactured in a company that is ISO 9001:2008 certified.

Certification tests

242 filter meets the requirements of EN 14387:2004 standard and has been submitted to the tests provided by class 2 for gases.

• Breathing Resistance

The resistance offered from the filter to the air flow must be as low as possible and, in any case, must not be greater than the following values for gas filters (par. 6.11 of EN 14387:2004 standard): with an air flow of 30 l/min shall not exceed 1,4 mbar and with an air flow of 95 l/min shall not exceed 5,6 mbar.

• Gas capacity

242 filter has been submitted to tests according to par. 6.12 of EN 14387:2004 standard to verify the minimum breakthrough time, when exposed to test gases at determinate concentration. For ABE2 type, the test gas used is the gas expected in the standard and reported in the table, with its break-up time.

Application, Limitation, Warning

BLS filters cannot be used in the following conditions:

–when nature and concentration of contaminant are unknown –when oxygen content is lower than 17% in volume (which is often the case of closed environments without ventilation such as wells, tunnels, cisterns, etc) –when the contaminant is carbon monoxide or an odourless and tasteless gas –when certain conditions are dangerous to the worker health and life.

Filter must not be modified or altered. Leave the work area when the filter or breathing apparatus has been damaged and if you have difficulty in breathing and / or illness. Persons whose olfactory sense is altered shall not use filter respirators. During works with open flames or liquid metal droplets the use of personal protective equipment with gas or combined filters may cause risks for the operators.

Filter use and maintenance

BLS filters must be used with half masks and full face masks with the same kind of connection. Carefully read the instructions for use of the filters and the one of the equipment (half mask or full face mask) is used with. Each new filter pair is packed in a sealed bag. Choose the filter keeping attention to the colour and identification marking and check that the filter is of the correct type for the intended use. Check that the filter is not out-of-date (the expiration date is printed on all the filters; this date shall be valid if the filter is kept sealed in accordance with the storage instructions). Inspect both the filter and facepiece for any breaks or damage. To use, open the sealed packet, fit the two filters to the filter housing on the half mask or full face mask, screwing the filter up tightly. In normal use conditions, filters shelf life is not only due to the pollutant concentration but to many other elements difficult to define, such as air humidity, air temperature, air inspired volume, weariness of the worker, etc. The operator shall leave immediately the work area and replace the filters when he starts to smell the contaminant. At the end of the work shift, the respirator shall be stored in a clean and dry place, according to the storage conditions indicated in the user information. BLS filters does not require maintenance and at the end of their use should not be blown, washed or regenerated in any way. Exhausted filters shall be replaced at the same time and dismantled according to the National regulations and considering the substances they have retained.

Storage time: 5 years (factory sealed), as shown on label (pictogram of hourglass)

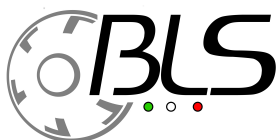
Storage conditions: temperature range –10°C e +50°C, Relative Humidity < 80%

Minimum unit of sale: box (8 filters)

Technical Details

Each filtered is tested:

– breathing resistance and weight for the gas protection (carbon)



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