

### 202 P3 R

Cod. 8011118

### EN 143:2000/A1:2006



#### Characteristics

202 P3 R is a particle filter that protects from airborne particles. 202 P3 R filter is equipped with a special bayonet connection to be used twin on half masks EVO S and EVO R.

#### Application

202 P3 R filter protects against all the toxic particles, solvents and micro organism It is a filter classified in class 3 (high efficiency filter).

#### Protection

202 P3 R filter can be used lower than the following limits:

with half mask: against gas and vapours until to 30\* x TLV; for dusts, fumes and mists until to 30\* x TLV.

with full face mask: against gas and vapours until to 400\* x TLV; for dusts, fumes and mists until to 400\* x TLV.

\* = FPA as defined by EN 529:2005 standard.

#### Materials

202 P3 R filter is made by:

- filter case: ABS
- filtering layer: filtering pleated layer of glass fibers
- Height (thread excluded): 22 mm
- Diameter: 93 mm
- Weight: 63+3 g

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

EN 143:2000/A1:2006 Tests		P3 R
Filter efficiency (DOP) (%)	after 3 min	< 0,05
	after 63 min	< 0,05
	after storage	< 0,05
Breathing Resistance (mbar)	inhal. 15 l/min	< 1,2
	inhal. 47,5 l/min	< 4,2

#### Certification

202 P3 R filter has been certified according to the EN 143:2000/A1:2006 European Standard and it has the CE marking according to the European Directive 89/686/EEC, as a PPE of III category. Italcert Srl ,Notified Body n°0426, is the responsible of the certification (Art. 10) and of the final product control (Art. 11.B).

BLS is a company with quality management system certified according to ISO 9001:2008

#### Certification tests

202 P3 R filter meets the requirements of EN 143:2000/A1:2006 standard and has been submitted to the tests provided for dusts by class 3.

##### • Breathing Resistance

The resistance offered from the filter to the air flow must be lower as possible and, in any case, must be greater than the following values for particle filters (par. 6.11 of EN 143:2000/A1:2006 standard): with an air flow of 15 l/min shall not exceed 1,2 mbar and with an air flow of 47,5 l/min shall not exceed 4,2 mbar.

##### • Filter penetration

Filtering efficiency of the material is determined using sodium chloride and paraffin oil test aerosols. P3 class provided a minimum filtering efficiency of 99,95 % (filter penetration <0,05%). The filters kept unchanged their filtering efficiency also after the long exposure test (reaching of 120 mg in concentration of test aerosol) and they are certified as reusable (R marking means that they can be used for more than one work shift ).

### Application, Limitation, Warning

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BLS filters cannot be used in the following conditions:

– when the type and concentration of contaminant is unknown. –when the oxygen content is lower than 17% in volume (which is often the case in closed environments 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. –The filter must not be modified or altered. – Leave the work area if the respirator becomes damaged, resulting in difficulty breathing and/or faintness. – Persons whose olfactory sense is altered shall not use filter respirators. –The use of gas or combined respiratory protective devices during works with open flames or liquid metal droplets may cause serious risk to the operator.

#### Filter use and maintenance

BLS filters must be used in pair connected to BLS half masks model EVO S and EVO R. Two new filters are packed in a sealed plastic 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 expired (the expiry date is printed on all the filters; this date shall be valid if the filter has been kept sealed at the recommended storage). Inspect both the filter and facepiece for any breaks or damage. For use, open the sealed packet, fit the two filters to the filter housing on the half mask or full face mask, screwing the filter tightly. In normal use conditions, the shelf life of the filter is not only due to the pollutant concentration but to many other elements difficult to be determined, such as the degree of air humidity, the air temperature, the inspired air volume, the weariness of the worker, etc. The worker shall leave immediately the work area and replace the filters when start to smell the gas odour. 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. The BLS filters does not require maintenance and does not need to be cleaned, regenerated or blown. 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  $-10^{\circ}\text{C}$  e  $+50^{\circ}\text{C}$ , Relative Humidity < 80%

**Minimum unit of sale:** box (8 filters)

### Technical Details

In order to ensure high hygiene and increase the lifespan of the filter, the filtering paper is folded without the use of any glues.

Each filter is tested:

- filtering efficiency test for protection against particles.