

301 PREFILTER P2 NR

Cod. 8011042



EN 14387:2004

EN 14387:2004 tests		PREFILTER P2	301 P2
Filter efficiency (DOP) (%)	after 3 min	< 6	0,86
	after 63 min	< 6	3,16
Breathing Resistance* (mbar)	Inhal 30 l/min	< 1,7	0,89
	Inhal 95 l/min	< 6,4	2,46

*= testes with BLS 314 filter which is considered to be representative of filter series and pejorative of test conditions.

Characteristics

301 P2 NR is a particle filter made by layers of polypropilene fiber tissue that mechanically filters solid and liquid hazardous particulates. 301 P2 NR filter is equipped with a special hook to be used twin, on all BLS 300 series filters.

Application

301 P2 NR filter protects against hazardous dusts, mists and fumes, for example hazardous metals dusts, biochemical substances and biologically active aerosols. It is a filter classified as P2 class.

Protection

301 P2 NR filter can be used for protection against dusts, fumes and mists in concentration lower than the following limits:

with half mask: until to 10* x TLV.

with full face mask: until to 15* x TLV.

* = FPA as defined by EN 529:2005 standard

Materials

301 P2 NR filter is made by:

- filter case: ABS
 - filtering layer: polypropilene filtering layers
- Height (thread excluded): 2 mm
Diameter: 75 mm
Weight: 5,5 g

Certification

301 P2 NR filter has been certified according to the EN 14387:2004 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 responsible of the certification (Art. 10) and of final product control (Art. 11.B). The products are manufactured in a company that is EN ISO 9001:2008 and ISO 13485:2004 certified.

Certification tests

301 P2 NR filter meets the requirements of EN 14387:2004 standard and it has been submitted to the tests for class P2 NR.

• Breathing Resistance

The resistance offered by the filter to the air flow must be lower as possible and, in any case, must not be greater than the following values for filters type gas 1 particles: with an airflow of 15 l/min shall not exceed 1,7 mbar and with an airflow of 47,5 l/min shall not exceed 6,4 mbar.

• Filter penetration

Filtering efficiency of the filtering media has to be determined using sodium chloride and paraffin oil. The P2 class provides a minimum filtering efficiency of 94% (filter penetration <6%).

Application, Limitation, Warning

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).
- for possible explosive environments please be informed of related standard
- 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.
- AX filter shall be used only once and at the end of such period it shall be disposed of.

Filter use and maintenance

BLS filters must be used in pair connected to BLS filters serie 300.

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.

Inspect both the filter and facepiece for any breaks or damage. For use, open the sealed packet, fit the two filters on filter of the half mask or full face mask,

Mind You: the P2 filters are used by being attached to gas filters positioning them over the gas filters and fixing in place by a plastic press-fit cover (the combined filters obtained with this coupling must be used always twin). 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 with gas filters or when start to perceive an increase of the breathing resistance with particle filters. 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 conditions: temperature range -10°C e +50°C, Relative Humidity < 80%, as shown on label (pictogram of thermometer and umbrella).

For more information see the User's Instruction Manual of BLS filters (cod. ISU0027_00).

Minimum selling unit: box (with 16 filters)

Technical Details

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

Each filtered is tested filtering efficiency and breathing resistance test for protection against particles.

