



AV-505B FFP3

Article No.: 27107AV189

AVES® AV-505B RD FFP3 filtering facepieces provides effective respiratory protection in industrial environments where workers will be exposed to non-volatile solid and/or liquid particles (dusts, mists, fumes).



DESCRIPTION

- Cup shape.
- Welded Headband made by two elastic straps.
- Adjustable nose-clip between the filter material layers and soft inner lining on nose, to ensure a good face seal over a range of face sizes.
- Exhalation valve, with a low breathing resistance, which drops heat and humidity inside the respirator, makes breathing easier and makes the respirator suitable for hot humid work place.
- R marking to specify that the facepieces is Reusable for more than one work shift.
- D marking to specify that the facepieces meets the clogging resistance requirements and then it offers an high level of filtering efficiency also in very dusty environments.
- CE approved to new EN 149:2001+A1:2009 standard.

MATERIAL

The following materials are used in the production of AVES AV-505B filtering facepieces:

- Filter: filtering material in layers, non irritating, polypropylene non-woven fabric
- Nose clip: reinforced plastic material
- Face seal: foam rubber
- Straps: Thermoplastic elastomer
- Valve/Valve diaphragm: polypropylene /para rubber
- Weight: 14 g

EN 149:2001+A1 tests

EN 149:2001+A1 tests		FFP3 R D Requirements	AV-505B FFP3 R D
Total filtering efficiency (%)		> 99	99,3
Breathing resistance (mbar)	inhal. 30 l/min	< 1,0	0,5
	inhal. 95 l/min	< 3,0	1,5
	exhal. 160 l/min	< 3,0	2,5
	after clogging inhal. 95 l/min	< 7,0	3,1
Filter material efficiency (DOP) (%)	after 3 min	> 99	99,7
	after 63 min (long exposure)	> 99	99,4
	after storage	> 99	99,2
	after clogging	> 99	99,6

LEVEL OF PROTECTION

AVES AV-505B FFP3 R D filtering facepieces is suitable for protection against non-volatile solid and/or liquid particles up to 30* times the Threshold Limit Value (TLV-TWA).

*= APF, Assigned Protection Factor (in accordance to EN 529:2005 standard – value for Italy).

STANDARDS

AVES AV-505B FFP3 R D filtering facepieces meets the requirements of the European Directive 89/686/EEC (PPE) and is thus CE marked, as a PPE of III category, according to EN 149:2001+A1:2009 standard. CE Certification (Art.10) and control (Art.11.B) have been issued by Italcert S.r.l. (Notified body n°0426). AVES certified his own Quality Management System according to ISO 9001:2008 regulation



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TECHNICAL DETAILS



In order to reduce the chance of product contamination (required by various industries among which the pharmaceutical and the food industries), the internal noseclip is set between two layers of fabric to reduce as much as possible the aluminum parts of the PPE.



The greater amount of fabric, emphasized by the folds on the surfaces of the filtering facepiece, and the high concavity of the mask increase the PPE duration.



The shell filtering facepieces offer a greater user comfort and avoid the feeling of oppression of the PPE thanks to the substantive distance between the inner surface of the filtering facepiece and the user's mouth.

Filtering facepieces passed Dolomite dust clogging test. Lower breathing resistance, higher duration.

Active charcoal layer: protection against gas contaminants in low concentration.

CLEANING

AVES AV-505B FFP3 R D filtering facepieces is R marked, i.e. it can to be used for more than one shift; the face seal must be cleaned at the end of each shift using a cleansing wipe. Do not immerse product in water.

STORAGE AND TRANSPORTATION

AVES AV-505B FFP3 R D particle filtering facepieces has a shelf life of 10 years. End of shelf life (expiry date) is marked on the product packaging.

Product should be stored in clean, dry conditions within the temperature range: +5°C to +40°C with a maximum relative humidity of 60%.

When storing or transporting this product, use original packaging provided

CERTIFICATION TEST

- Efficiency of filter material
- Total filtering efficiency
- Breathing resistance
- Clogging
- Flammability

WARNINGS

1. The operator must be trained to the proper use of the filtering facepieces, before use it.
2. This product does not protect the operator against gases and vapours. For gas and vapours protection are necessary the gas respirators.
3. Not to be used in atmospheres containing less than 17% oxygen.
4. Do not use when the concentration of the contaminants is immediately dangerous for life or health.
5. Do not use in explosive atmosphere and to escape.
6. Leave the workplace immediately:
 - if breathing becomes difficult;
 - if dizziness or other distress occur.
7. Do not alter or modify the product in any way.
8. Discard and replace the mask if it becomes damaged, if breathing becomes difficult and in any case after 8 hours work if the facepieces is NR type (max 8 hours).
9. Operator must be clean shaven as facial hair will affect the efficiency of the product.
10. Store the filtering facepieces in a dry and clean room at a temperature within +5 °C and + 40 °C and relative humidity <60%. If stored correctly and in the original packaging the product has a shelf life of 10 years and 5 years for models with carbon layer.
11. Cleaning: the filtering facepieces designed as R D, are reusable for more than one work shift, so they must be cleaned before to store them in a dry and clean place. For cleaning, use a wet wipes, of the type usually commercialized (with ingredients as Aqua, Propylene Glycol, Capric Glycerides, Parfum), to delicately clean the inner gasket.

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