Half mask

Protection against gases and vapours, dusts and mists

DATA SHEET

TP2000 R EN 140:1998

code 8002026

EN 140:1998 performance tests		EN 140	TP2000R
Total Inward Leakage (%)		< 2,0	0,9
Breathing resistance (mbar)	inhal. 30 l/min	< 0,5	0,1
	inhal. 95 l/min	< 1,3	0,4
	inhal.160 l/min	< 2,0	1,0
	exhal. 160 l/min	< 3,0	2,7
CO_2 content (%)		< 1,0	0,4

Characteristics

TP 2000 R with two filters is equipped with a synthetic rubber orinasal in single size, an ergonomic harness with four couplings, provided with an head rest adaptable by the user connected to a supporting rigid part. The half mask comprises a frontal exhalation valve and two lateral inhalation valves fitted with special threaded connection mounting two BLS 300 series filters, equipped with the same connection.

Materials

TP 2000 R half mask is made with the following materials:
· mask body: synthetic rubber
· rigid part: polypropylene
· exhalation valve holder: plastic
· filter holders: ABS
· harness + head rest: elastic band + polypropylene
Weight (without filters): 140 g

Filters 300 Series

TP 2000 R half mask is equipped with gas, particle and combined filters BLS 300 series, with special threaded connection, directly screwed to the lateral filter holders. The field of application is different depending on the type of filter used: with particle filters the fields are for example pharmaceutical industry, chemical, building, foundry, agriculture, wood making and with gas and combined filters the fields are shipyard, aeronautics, painting, laboratory.

Protection

Exposure limit for half mask with particle filter:
Half mask + P2 = 10* x TLV
Half mask + P3 = 30* x TLV
Exposure limit for half mask with gas filter:
Half mask + class 1 filter = 30* x TLV (or 1000 ppm)
Half mask + class 2 filter = 30* x TLV (or 5000 ppm)
* = APF as specified in EN 529:2005 standard (value for Italy)

Certification

TP 2000 R half mask meets the requirements of EN 140:1998 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.A). The products are manufactured in a company that is EN ISO 9001:2008 certified.

Certification Tests

TP 2000 R half mask meets the requirements of EN 140:1998 standard and has been submitted to the tests provided by this standard.

• ***Total Inward Leakage***

The total inward leakeage test provides that 10 subjects carry out a series of exercises simulating the work conditions fitting the respirator. During the test, the test aerosol (Sodium chloride) is measured to see how much of aerosol passes through face seal leakage and exhalation valve leakage. Total inward leakage shall be not greater than 2%.

• ***Breathing resistance***

Breathing resistance offered from the half mask must not be greater than the following values: during the test with breating machine (25 cycles/min and 2,0 l/stroke) or continuous flow 160 l/min shall not exceed 2,0 mbar for inhalation and 3,0 mbar for exhalation. The inhalation resistance shall not exceed 0,5 mbar with continuous air flow 30 l/min and 1,3 mbar with continuous air flow 95 l/min.

• ***Flammability***

The half masks submitted to test pass over a flame at a temperature of 800°C +/- 50°C with a speed of 6 cm/s. The mask shall not burn or not to continue to burn for more than 5 s after removal from the flame.

• ***Carbon dioxide content***

The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume).

Use and maintenance

Wearing 1- Screw the filters tightly onto the breathing apparatus, making sure that the rubber washer is in place at the base of the thread on the mask itself. 2- Slacken both harnesses to their maximum extent, then put your head into the harness, and place the half face mask over nose and mouth. With the other hand, position and tighten the harness on your head. 3- Adjust each harness strap individually to achieve a good fit of the mask to your face. 4- Check that there are no air leaks: if the mask is found to be working properly, proceed to the work area.
Leak test Press the palm of the hand against the cover of the exhaust valve, so as to block it, and exhale slowly. If no air escapes around the nosepiece seal, the mask is correctly positioned, and is functioning correctly. If air does escape, re-position the mask, increase the tension on the harness straps, and repeat the test until a suitable result is obtained.
Cleaning This half face mask must be cleaned after each use. First remove the two filters, and blow dust from the mask using compressed air. Use a soft rag to remove any remaining sediments. Where necessary, dismantle the component parts and hose down with warm water containing a neutral detergent. Never use solvents. The intake and exhaust valves must be removed and cleaned very carefully, including their housings. Hose down and leave them to dry, avoiding exposure to direct sunlight or other heat sources. Dry the rubber parts at a temperature below 50°C. One completely dry, the complete mask may be re-assembled.
Disinfection The half face mask must be clean before disinfecting. In the mask is particularly dirty, or if it must be used by a different person, we recommend that a normal disinfectant be used, that will not harm the plastic or rubber components. Finally hose down, and dry as indicated above.
Storage The half masks are still useable should be kept in a closed container, and protected from dust, dirt, harsh light humidity, or heat sources. When moving or storing the mask, make sure that the packaging is intact and cannot be damaged by sharp objects or materials that could perforate the filters, and that the filters will not be deformed by being subjected to excessive loads.

Expiry date: the half mask has a shelf life of 5 years (see the expiry date on the box).

For the use limitation and all the other informations about the half mask, please refer to the User Information booklet enclosed to each half mask (ISU011_01).

Technical Details

The orinasal in soft termoplastic rubber offer a greater user comfort.

In order to ensure greater fit guarantee, the half mask uses the seal valves developed for the full face masks.

Flaps on the filter connector route the air flow to the entire filtering surface, increasing the efficiency and using the entire surface, increasing its economical value.

n order to offer greater user comfort and a more secure fit, the support harness is attached to the rigid body of the half mask, not to the orinasal, therefor it does not mark the user's face and ensures a more uniform fit.

The ending stroke buttons allow a simple and safe adjustment of the harness.

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