MOD. 2000 T

CE EN 140:1998

CERTIFICATION

MOD.1000 C 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.

CNMP (Notified Body n° 0159), is the responsible of both the certification and the final product control.

CERTIFICATION TESTS

- **Total Inward Leakage**

The total inward leakage 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 higher than the following values: during the test with breathing machine (**25 cycles/min** and **2,0 l/stroke**) or continuous flow of **160 l/min** shall not exceed **2,0 mbar** per inhalation and **3,0 mbar** per exhalation. The inhalation resistance shall not exceed **0,5 mbar** with continuous air flow of **30 l/min** and of **1,3 mbar** with continuous aire flow of **95 l/min.**

- **Flammability**

The half-mask 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 nor continue to burn for more than **5 seconds** after removal from the flame.

- **CO_2 Content**

The CO_2 content of inhalation air (dead space) shall not exceed an average of **1%** (by volume).

FEATURES

MOD.2000 C is a 2 filter half-mask that has a soft and flexible body in order to obtain a very good fit to user's face. The body is made in thermo-rubber which assures a strong resistance to aggressive atmospheres and also, avoids annoying allergies.

The fastening system is composed by a head harness and an elastic band attached to the neck. Both pieces are fixed to the valve front cover of the mask thereby obtaining a balanced weight and pressure distribution on the face of the user. Also, the unique design of the valve front cover and the buckles allow the straps adjustment in order to facilitate the secure fit and the perfect individual coupling. The connexion between the filter and the filter-holder is made by a special bayonet system which allows the assembly to be really simple.

The cleaning and maintenance are minimised due to the reduced number of parts that compose the half-mask, and at the same time, they make it lighter (127 grams).

MOD.2000 T / RESULTS

Next, the certification test results table of half-mask MOD.2000 T:

TESTS EN 140:1998		EN 140 REQUIREMENTS	MOD.2000 T
TOTAL INWARD LEAKAGE (%)		< 2,0	1,07
BREATHING RESISTANCE (mbar)	INHALATION 30 l/min	< 0,5	0,12
	INHALATION 95 l/min	< 1,3	0,25
	INHALATION 160 l/min	< 2,0	0,39
	EXHALATION 160 l/min	< 3,0	1,14
CO_2 CONTENT (%)		< 1,0	0,49

APPLICATIONS

The 2 filter half-mask MOD.2000 T is for all the users that need protection against vapours, gases and/or particles. Suggested industries:

- Heavy and Construction Industry.
- Mining.
- Chemistry and Petrochemistry Industry.
- Maintenance, Welding and Metallurgy.
- Pharmaceutical.
- Food Industry, Agriculture and Agro-Industry.
- Repair of Hazardous Substances, Wastewater and Drinking Water Processing.

FILTERS

The MOD.2000 T half-mask must be used with compatible IN-2 filter, with special bayonet connexion patented by MPL (utility model n°200001843).

PACKAGING

MOD.2000 T half-mask is provided inside a cardboard individual box which includes instructions of use, which details: limits of use, restrictions, warnings, maintenance and storage conditions, and exploded draw of the half-mask.

MOD. 2000 T

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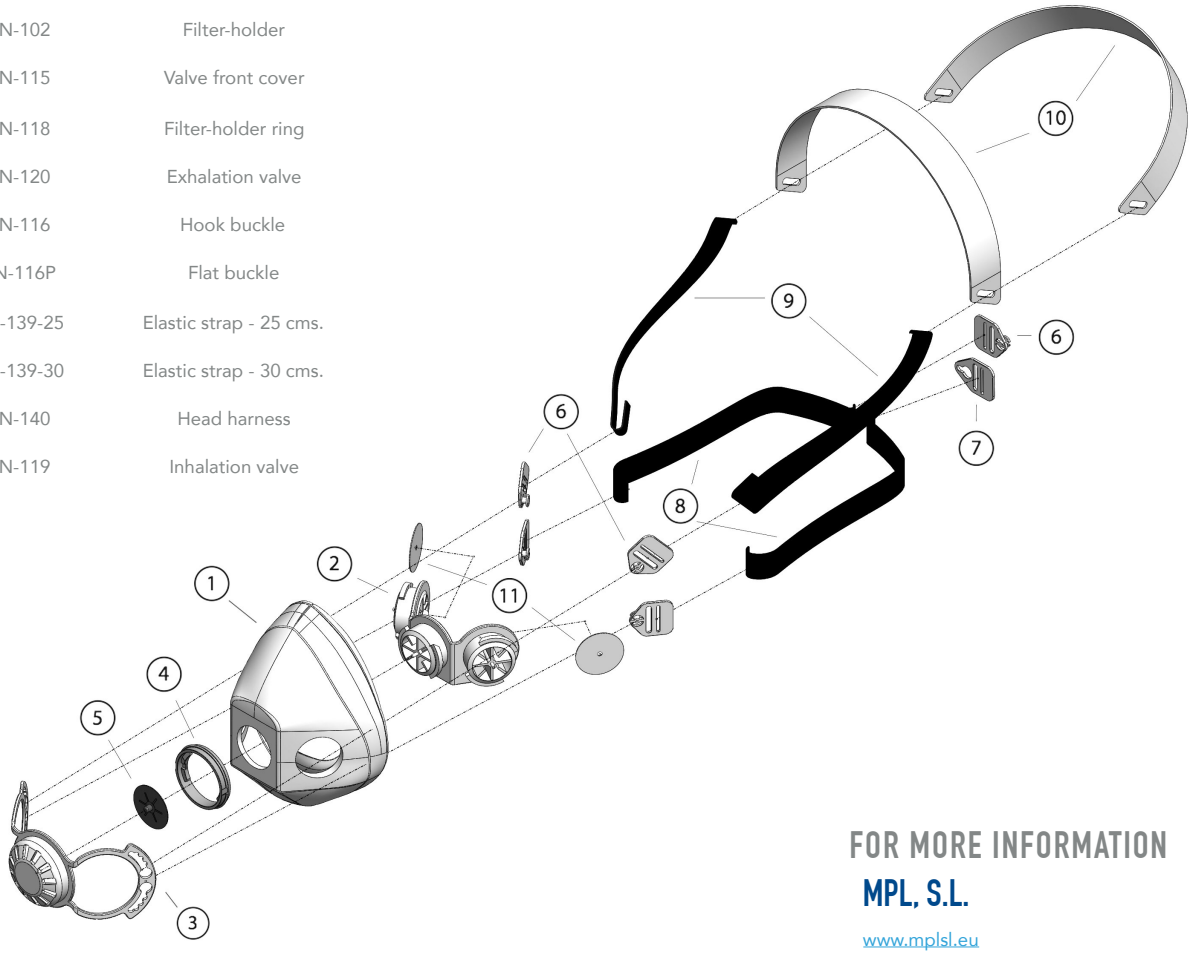
USE AND MAINTENANCE

- **Wearing:** align the filters (arrow impressed on the lateral side of the filter) with the arrow impressed on the filter-holder and make a tight 90° rotation. Slacken both harnesses to their maximum extent, then put your head into the harness, and place the half-mask over nose and mouth. With the other hand, place and tighten the harness on your head.
- **Leakage test:** press the palms of the hands against the exhalation valve cover in order to block the air flow, and exhale slowly. If no air escapes around the nosepiece seal, the mask is correctly placed, and is functioning correctly. If air escapes, place again the half-mask, increase the tension on the harness straps, and repeat the test until a suitable result is obtained.
- **Cleaning:** This half-mask must be cleaned after each use. First, remove the filters and blow dust from the mask using compressed air. Use a soft rag to remove any remaining sediments. If necessary, disassemble components and clean with warm water containing neutral detergent. NEVER USE SOLVENTS. The exhalation and inhalation valves must be removed and cleaned very carefully, including their housings. Let them dry, avoiding exposure to direct sunlight or other heat sources. Dry rubber parts at temperature below 50 °C. Once completely dry, all the components must be reassembled.
- **Disinfection:** half-mask must be clean before proceed disinfecting. If mask is particularly dirty, or if it is gonna be used by a different user, we recommend to use a common disinfectant that will not harm plastic or rubber components. Finally wash and dry as indicated above.
- **Storage:** half-mask, if not used, should be stored in a closed container and protected from dust, dirt, UV ray, humidity or heat sources. While moving or storing the half-mask, make sure that original packaging is intact and can't be damaged by sharp objects or materials that could perforate filters, and that filter can't be deformed by excessive loads.
- **Exploded draw:**

Number	Reference	Description
1	F-100	Thermo-rubber Body
2	N-102	Filter-holder
3	N-115	Valve front cover
4	N-118	Filter-holder ring
5	N-120	Exhalation valve
6	N-116	Hook buckle
7	N-116P	Flat buckle
8	N-139-25	Elastic strap - 25 cms.
9	N-139-30	Elastic strap - 30 cms.
10	N-140	Head harness
11	N-119	Inhalation valve



FOR MORE INFORMATION

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