



ALMECA, S.A.
VALENCIANA DE MECANIZACIÓN, S.A.

RN/A 1603 T1 Self Contained Breathing Apparatus

RN/A 1603 T1 is a type 1 Self Contained Breathing Apparatus designed for maintenance interventions in chemical plants and industrial areas, for use in contaminated surrounding, for rescue intervention and, generally, in all cases where there is, or may be, oxygen deficiency.

RN/A 1603 T1 adds the highest degree of safety and comfort to the efficiency, versatility and simple use of the **MK2 System** as well as the astonishing field of vision of the Spasciani **TR 2002 A CL2** mask.

RN/A 1603 T1 is fitted with an automatic demand valve which keeps a positive pressure in the mask thus avoiding any possible inward leakage of contaminated air from the outside. Should it become necessary, the positive pressure mode can be activated by acting on the special button that acts as a supplementary air command, too. The demand valve is connected to the reducer by means of a 120 cm long medium pressure hose.

RN/A 1603 T1 takes advantage from the unique **MK2 System** warning built into the demand valve. This is activated when the pressure left in the cylinder drops below 55 bar. The signal originates from a sounding vibration caused by every inhalation.

In this way the full capacity of cylinder is made available to the user for breathing. The acoustic warning is related to the respiratory frequency of the user and allows the user to distinguish his own signal from that emitted by nearby fellows or noise (**Self Test Function**). The location of the warning device protects it from frost or dirt.

The back plate is made of blow moulded polypropylene, it is extremely robust and anatomically shaped to allow a comfortable distribution of weight and remains steady on the wearer's back even when crouching or crawling. The supporting harness of the back plate are ergonomic and made of self extinguishing material. Special handles integral with the backplate are provided for carrying the set along. The pressure reducer keeps the outlet pressure constant throughout the emptying of the cylinder and is connected to an easy to read phosphorescent gauge. The steel cylinder has a capacity of 6 litres with a pressure of 300 bar and is fitted with a valve according to EN 144.

TECHNICAL DATA

Pressure Reducer: piston with compensator

Automatic Demand Valve: with integral alarm device and supplementary supply button

Setting of the Alarm: 55 ± 5 bar

Volume/pressure of the Cylinder: 6 l / 300 bar

Air reserve: 1660 N litres

Duration: 55 min at an average consumption of 30 l/min





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CLASSIFICATION

Certified **Type 1** to **EN137:2006** and meeting with directives **98/686/EEC (PPE)**, **97/23/EC (PED)** and **96/98/EC (PED)**

MARKING



MATERIALS

Mask:	TR 2002A CL2
Outer face blank:	TPE
Panoramic visor:	Polycarbonate
Inner nose cup:	TPE
Five arm head harness:	EPDM
Carrying strap:	PVC
Backplate:	Thermoplastic polypropylene
Harnesses:	Self-extinguishing webbing
Pressure reducer:	Brass alloy nickel plated
Automatic demand valve:	Fiber glass reinforced nylon housing
Cylinder:	Steel

STORAGE

Storage at temperatures between -20°C and +50°C and with RH<80%

WEIGHT

15 Kg approx., set complete with mask and fully charged cylinder

DIMENSIONS/PACKING

310 X 660 X 220 mm, measured with set laying down on a flat surface.
The set is packed w/o cylinder in a carton box dimensions 710 x 210 x 460 mm
Cylinder is packed into a carton box dimension 710 x 150 x 160 mm