YOUR SAFETY MAKER

RN FR

Self Contained Breathing Apparatus - Type 2



RN FR is a type 2 Self Contained Breathing Apparatus specifically designed for fire fighting.

RN FR adds the highest degree of safety and comfort to the efficiency, versatility and simple use. Materials and technologies employed in FR models are of the highest standard and they are all used to make the breathing apparatus components very high resistant to flames and able to resist to Flash Over test as per **EN 137:2006** standard.

RN FR 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 medium pressure hose by means of a quick coupling which allows it to be disconnected very easily for maintenance. The medium pressure hoses of the reducer and of the demand valve are covered by a special Kevlar sleeve to protect them from flames.

RN FR takes advantage from the unique **RN 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 those 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 vacuum formed 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 is provided with a special padding to increase comfort and with a soft belt in the hips area which increases portability of the equipment. All harnesses and padding are in aramidic and para-aramidic material and self-extinguishing foams. 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 cylinder has a pressure of 300 bar and is fitted with a valve according to EN 144.

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FULLFACE MASK

RN FR can be equipped with three different type of masks in EPDM:
TR2002 CL3+, modern design
TR82 CL3+, classic design
TR 82 E with a special system of metal brackets to fit to the slots of Fire Brigades and Police helmets.
All these models are available with threaded or bayonet connector.

DEMAND VALVE

RN FR can be supplied with demand valve type A or BN.
Both activate automatically with a button to stop airflow.

Reducer	Characteristic	P/N
DV RN A	M45x3 threaded connector	1588500CJ
DV RN BN	DIN 58600 bayonet connector	1579100CJ

CYLINDERS

RN FR can be equipped with steel or composite cylinders:

Volume l	Capacity bar	Materials	P/N
6	300	Steel	924630000
6,8	300	Composite	92446000C
9	300	Composite	92449000C

EXTRA WHISTLE KIT

The accessory "additional alarm " (Cod. 151530000) available on request gives the possibility to add a continuous whistle to the alarm signal provided already in the demand valve.

RN CONNECTION

The medium pressure hose, which connects the reducer to the demand valve, can be equipped with quick Euro-Coupling couplings or Spasciani couplings.

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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
Cylinder Capacity: 300 bar

CLASSIFICATION
Certified **Type 2** to **ISO 23269-2:2011** and meeting with the provisions of Regulation (EU) **2016/425**, **2014/68/UE (PED)** and **2014/90/UE (MED)** e **ATEX***.
*on request

MARKING

CE

MA- TERIALS

Backplate:	Thermoplastic polypropylene
Harness with padding:	Self-extinguishing webbing and elastomeric foam
Pressure reducer:	Brass alloy chrome plated

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

WEIGHT
15 Kg approx., set complete with mask and fully charged steel cylinder
10Kg approx., set complete with mask and fully charged composite cylinder

DIMENSIONS/PACKAGING
310x660x220 mm, measured with set laying down on a flat surface.

For more information please check the notes along with the products or the ones published on the website: www.spasciani.com

NOTE: SPASCIANI SpA does not take any responsibility for any possible and unintentional mistake and reserve the faculty of modify materials and technical characteristics of its products at any time and without any notice.