

BVF Self Contained Breathing Apparatus

BVF is a Self Contained Breathing Apparatus designed for short maintenance interventions in chemical plants and industrial areas or for escape from dangerous environments.

BVF 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** and **TR82** mask.

BVF 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 to disconnect it very easily for maintenance .

BVF 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 70 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 supporting harnesses can be regulated and they allow to put the cylinder in the most comfortable position on the operator side or front allowing him to move even in narrow places. 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 or composite cylinder has a capacity of 3 liters with a pressure of 300 bar and is fitted with a valve according to EN 144.

BVF can be used in conjunction with a wheeled BA Spasciani **RC** or an air line feeding system by means of the optional 4-way valve. The BVF/A 1303 becomes in this way a back up unit that in case of lack of air from the air line automatically supplies the operator with an air reserve sufficient to leave the intervention area.





BVF

Self Contained Breathing Apparatus

FULLFACE MASK

BVF can be equipped with two different type of masks:
TR2002, modern design (in TPE, EPDM and silicone)
TR82, classic design (in EPDM and silicone).
Both masks are available with threaded or bayonet connector.

DEMAND VALVE

BVF 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

BVF can be equipped with steel or composite cylinders:

| Volume (l) | Capacity (bar) | Materials | P/N |
|------------|----------------|-------------------|-----------------------|
| 3 | 300 | Steel / Composite | 923030000 / 92303000C |

TECHNICAL DATA

Pressure Reducer: piston with compensator
Automatic Demand Valve: with integral alarm device and supplementary supply button
Setting of the Alarm: 70 ± 5 bar
Volume/pressure of Cylinder: 3 l/ 300 bar
Air reserve: 830 N litres
Duration: 27 min at an average consumption of 30 l/min.

CLASSIFICATION

Certified **Type 1** to **EN137:2006** and meeting with the provisions of Regulation **(EU) 2016/425** and **2014/68/UE (PED)**

MARKING



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.



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EXTRA ALARM 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.

MATERIALS

| | |
|-------------------------|---|
| Mask: | TR 2002 or TR82 |
| Outer face blank: | EPDM |
| Panoramic Visor: | Scratch and solvent resistant polycarbonate |
| Inner Nose Cup: | TPE |
| Five arm head harness: | EPDM |
| Carrying strap: | PVC |
| Harnesses: | Self-extinguishing webbing |
| Pressure reducer: | Brass alloy chrome plated |
| Automatic Demand Valve: | Fiber glass reinforced nylon housing |
| Cylinder: | Steel or composite |

STORAGE

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

WEIGHT

9.6 Kg approx., set complete with mask and fully charged steel cylinder
6 Kg approx., set complete with mask and fully charged composite cylinder

DIMENSIONS/PACKING

310x570x210 mm, measured with set laying down on a flat surface.
The set is packed singularly in a carton box dimensions 520x350x310 mm

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