

Spasciani

RNmK2 Breathing Apparatus



FIELD OF APPLICATION

RNmK2

The RN b.a. are designed for use in polluted areas, fire fighting, rescue operations, maintenance works to chemical plants and generally wherever there is or may be oxygen deficiency.

Warnings and limits for use

The described b.a. SHALL NOT BE USED UNDERWATER even if their operation is unaltered when accidentally submerged.

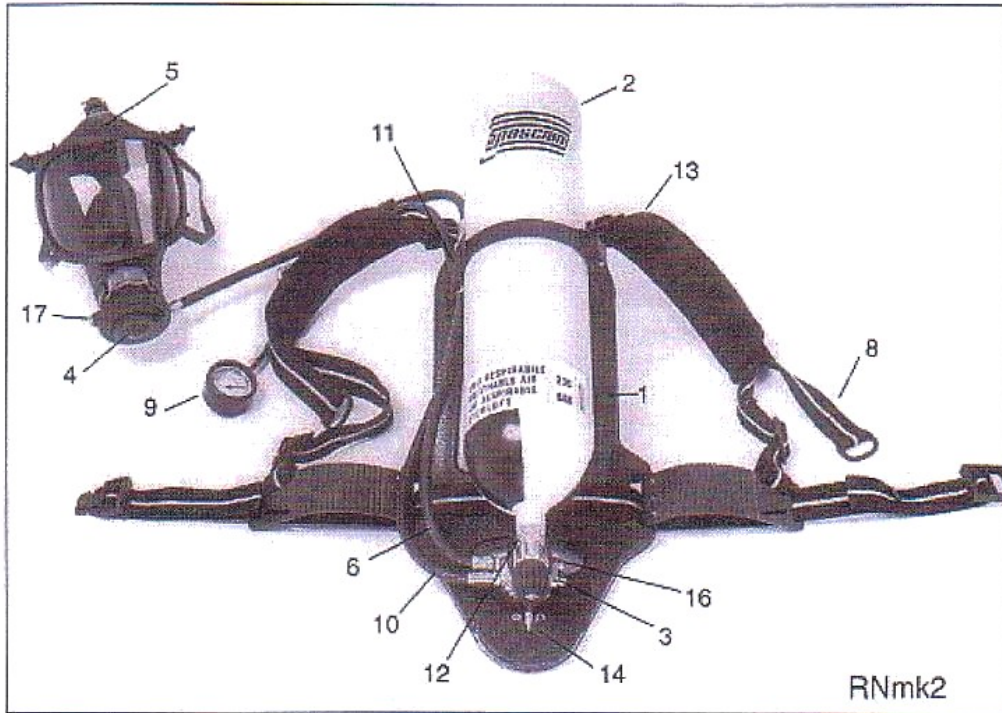
If RL b.a. are fed from a compressor the warning device at the demand valve cannot be operated.

The duration depends on the air reserve.

Special application for RNmk2

With RN b.a. it is possible to leave the back plate on the ground walk away by using an extension hose up to 30m long. The Audible Warning at the mask will advise the user of the imminent exhaustion of the air reserve even when in awkward places. For such an application it is mandatory to use a special supporting belt for the extension hose.

A Four Way Valve, available on request, allows the feeding of a second man, who will be provided with the audible warning, too. In this case it is also mandatory to use the special supporting belt for the extension. The same valve also allows connecting the b.a. to an airline to increase the duration. During the feeding from airline (set to 5.5 bar) the cylinder is automatically shut off.



RNmK2 – DESCRIPTION

The RNmk2 Positive Pressure Self Contained Breathing Apparatus are composed of:

- Back Plate (1) with harness (8)
- Cylinder(s) (2)
- Pressure reducer (3)
- Pressure gauge (9) with pressure hose (10)
- Medium pressure hose (6) with safety quick coupling (11)
- Demand valve (4) with audible warning device
- Full face mask (5)

Back plate (1) with harness (8)

The back plate is a one piece moulding of glass reinforced plastic or polyethylene, anatomically shaped. Integral handles allow the complete apparatus to be carried with one hand. A special device allows fitting cylinders of different diameters, from 110 to 170mm, or even two 110mm cylinders by means of a special manifold.

The harness assembly is complete with shoulders pads and waist belt, fitted with special sliding buckles to ease adjustment.

Cylinder(s) (2)

Cylinders are made of light steel alloy and are fitted with a special hand wheel valve. Colour, markings, connectors, dimensions and weight vary according to the Country of application.

Pressure reducer (3)

The reducer assembly is made of a High Resistance Brass body, electrochemically galvanised, in which there are the devices that actually deliver a constant pressure of 5.5 bar irrespective of cylinder pressure. As the cylinders drops to 55 +/- 5 bar a unique device increases the outlet pressure to 8.0 bar and so actuates the audible warning in the demand valve.

The pressure reducer is fitted with:

- High pressure connector to relevant national standard (12)
- Special high Pressure hose (10) leading to the Gauge (9)
- Medium Pressure hose (6) leading to the demand valve (4)
- Auxiliary outlet (16)

Demand valve with audible warning device (4)

A Fiberglass reinforced plastic housing holds both the device that delivers the air and the audible warning. The button (17) locks the device which is then unlocked by the first breath-in. The demand valve can be of type A or B according to the connector provided.

Full face mask (5)

The mask can be of the following types:

- Type TR 82 A, to EN 136:98 Cl. 3, provided with (red) threaded connector to EN 148-3. The proper functioning of the b.a. can be achieved with any other mask which were approved the same standard.
- Type TR 82 B provided with special snap-in connector. In this case it is also possible to use negative pressure devices such as b.a. demand valve valves or canister to EN 148-1.