

With the increase in industrial risks, the harmfulness of modern fires and the professionalism of users, MATISEC designs and manufactures Insulated Breathing Apparatus combining robustness, ergonomics and new technology. Recognised by many fire brigades, the Navy...



## GPAL 3 IS

The GPAL 3 IS is a compact and robust open-circuit compressed air breathing apparatus that provides complete isolation of the respiratory tract and eyes of the wearer when working in a hostile and toxic environment. It complies with European standards EN 136 and EN137-2.



### ► HP expansion valve 1st stage

The first stage regulator lowers the maximum high pressure (400 bar) to a constant pressure of 7 bar. It is located at the bottom of the chassis and is well protected by the cylinder.

It is hinged for easy connection to the cylinder valve by a large diameter rubberised support screw. Its maximum flow rate allows the supply of 2 SCBA wearers or one wearer and one rescue bonnet. Its maintenance is facilitated by a recyclable cartridge system.



► **Regulator MP CLICK or 1st inspi**

The regulator is available in two versions: click-on or first breath. The mini-regulator ensures an overpressure in the mask and a breathing comfort without equivalent to this day thanks to its pneumatic control technology. The mini-regulator is equipped with a red button that can be operated by hand to allow the wearer to give himself an additional air supply, if the need arises (heat, shortness of breath, etc.).



► **Audible and visual pressure indicator**

Located on the left shoulder strap, the end-of-charge whistle and pressure gauge are fed by a single hose reinforced with internal metal braid. The pressure gauge is dust and moisture proof and equipped with a flow limiter in case of accidental breakage. The whistle sounds (90 dB) as soon as the pressure reaches 55 bar (+/- 5 bar) and whistles continuously until the end of the cylinder.



► **Second carrier or victim rescue**

Installed on the Medium Pressure hose, a "Y" with a connection device by double safety couplings (with double manoeuvre) type CEJN allows to rescue a second SCBA wearer in difficulty or a victim rescue bonnet.



► **Cylinder strap**

The cylinder strap with notched strap and quick-release fastener can accommodate all types of cylinders. Fast and reliable, this system is easy to handle with gloves.



► **Protective handle**

The protective handle developed from the RESI handle protects the high pressure regulator and the valve from possible side and vertical impacts.



► **Option : Cylinder protection**

For frequent use, e.g. in a housing, MATISEC offers a range of removable and replaceable cylinder protection sleeves. Materials: proban or aluminised Nomex fabric.



► **Option : Emergency beacon**

Manual or automatic activation of the beacon. This EEx ia IIC T4 beacon allows the wearer to activate his alarm voluntarily or if he is on the ground without movement. The 98 dBA sound power (measured at 3 meters) and the 4 red diodes allow to quickly locate the responder in difficulty.



► **Option : Victim Rescue Hood**

The rescue bonnet protects the victim's respiratory tract ... just like bottle protectors, it is available in different fabric versions, from the simplest to the most elaborate... A storage bag is easily installed on the belt of the SCBA, which receives the bonnet in its waterproof packaging.

Le châssis anatomique réglable

---

**Source URL:** <http://www.matisec.fr/node/589>