



# BREATHING APPARATUSES

## DIABLO INDUSTRIAL MM



**DIABLO** compressed air self-contained breathing apparatus is available in **INDUSTRIAL MM** version for industrial applications, complying with EN 137 Norm. **DIABLO INDUSTRIAL** is available in **Type 1** and **Type 2** versions. Diablo Industrial MM Type 1 can be used in potentially explosive environments. Diablo Industrial MM Type 2 is also **MED** approved.

### CERTIFICATIONS

- EC Certified according to 2014/90/UE MED Directive
- EC Certified according to Article 10 of 89/686/EEC PPE Directive
- EC Certified according to 2014/68/UE PED Directive

## MAIN COMPONENTS

- The light weight and mechanically resistant carrying frame, is made of self-extinguishing fibre glass reinforced synthetic resin and is designed in order to fit ergonomically the shape of the body.
- The harness is made of self-extinguishing synthetic woven fabric.
- The buckles are flame resistant and quickly adjustable.
- The shoulder straps are padded and house the medium and high pressure hoses inside, thus protecting them from fire and abrasion.
- In the new C2000 balanced type pressure reducer (patented) the numbers of the moving components have been reduced by 50%. The result is an exceptional response time, an extremely compact medium pressure cycle, smooth breathing and total performance stability. The C2000 pressure reducer is equipped with a medium pressure connection to the demande valve. Any access to the C 2000 pressure reducer and to calibrations is sealed and protected in order to avoid tampering.
- The pressure gauge is connected to the pressure reducer through a high pressure hose.
- The audible warning device is mounted on the pressure reducer. It is of the twostage- type, i.e. activated by high pressure and operated by medium pressure. Its unique design also allows an automatic testing of the correct functioning (patented).
- The E400 AP/A demand valve is of the self-positive type, i.e. it is in a stand-by mode and switches automatically to positive pressure at the first breath without any waste of air. It ensures a positive pressure inside the mask up to 10 times the air consumption normally needed during the use and is characterized by an extremely quick response time and smooth functioning.

#### PLEASE NOTE:

- a model with a quick coupling connection is also available, which allows the operator to connect or disconnect the demand valve from the pressure reducer.
- the cylinder valve can also be equipped an auxiliary pressure gauge, permanently under pressure, which is capable of indicating if the cylinder is filled enough to allow use or not.

### Cascade Configurations:

- **DIABLO INDUSTRIAL MM** is also available in three additional configurations to allow the user to feed a second operator (OUT), to ensure connection to an external air supply (IN), or to have both possibilities (IN & OUT).

#### IN DETAIL:

**1. Configuration OUT** feeds a second user or a pneumatic tool. In this configuration the SCBA is able to feed a second operator from the cylinder to a second full face mask or a rescue half mask by means of an easy and reliable solution: a "T" connection hose, placed on the inferior part of the back plate and consisting of a MP hose, feeds the demand valve while a quick release valve for second operator is placed on the belt loop.

**2. Configuration IN** allows connection to an external air supply. A second medium pressure outlet of the pressure reducer ensures connection to an external air supply by means of a quick release coupling at belt level which prevents any waste of air while SCBA is functioning by its own cylinder. The air from external air supply must provide a pressure range between 6 and 7 bar.

**3. Configuration IN & OUT** provides connection to an external air supply and to a second operator by means of a "T" connection hose placed at belt level. On the MP hose a quick release coupling allows connection to the pressure reducer while a quick release valve ensures plugging into the demande valve hose.

## Cylinders:

- The **cylinders** comply with the regulations in force in the countries where they are marketed and are accompanied by an inspection report stating that they have successfully passed the required testing. All the cylinder identification data are printed on the cylinder cap according to law.
- The cylinders are equipped with a A.P. valve made of hotpressed brass externally chromium-plated, with a **W 19.8 x 1/14 (E17)** threading (or other threading conforming to the national regulations in force) and a control wheel soft and specially designed in order to ensure a firm grip.

- A special patented version of the valve is also available including a loose ring placed on the control wheel which prevents occasional shutting off by touching on a wall or a surface whatsoever. An high pressure gauge, always under pressure, gives information on the status of the cylinder without need of opening valve.
- The outlet cap of the cylinder is enamel painted in black and white 90° altering stripes in accordance with the regulations in force. The breathing apparatus **DIABLO is CE certified** also to be used with a composite cylinder with a thread M18x15.

## CYLINDERS

CYLINDER CODE NUMBER	MATERIAL	WATER CAPACITY (LITRES)	FILLING PRESSURE (BAR)	AIR CAPACITY (LITRES)	AUTONOMY (MIN) **
4200 0755/60 (1)	steel	6	300	1800	45
4200 0775/80 (1)	steel	7	200	1400	35
4200 0893/0892 (1)	composite (liner in PET)	6,8	300	2000	50
4200 0897/0896 (1)	composite (liner in PET)	9	300	2700	67

(1) versions with/without pressure gauge;  
(\*\*) with average consumption 40 l/min approx.

## CODES\*

DIABLO INDUSTRIAL MM	C 607 SP/A, with quick coupling, DIN 300	Cod. <b>43425120</b>
DIABLO INDUSTRIAL MM	C 607 SP/A, without quick coupling, DIN 300	Cod. <b>43425121</b>
DIABLO INDUSTRIAL MM 1400 - TYPE 2 (MED approved)	C 607 SP/A, without quick couplings, steel cylinder 7 lt x 200 bar DIN	Cod. <b>43422162</b>
DIABLO INDUSTRIAL MM 1400 - TYPE 2 (MED approved)	C 607 SP/A, with quick couplings, steel cylinder 7 lt x 200 bar DIN	Cod. <b>43422163</b>
DIABLO INDUSTRIAL MM 1800 - TYPE 2 (MED approved)	C 607 SP/A, without quick couplings, steel cylinder 6 lt x 300 bar DIN	Cod. <b>43422160</b>
DIABLO INDUSTRIAL MM 1800 - TYPE 2 (MED approved)	C 607 SP/A, with quick couplings, steel cylinder 6 lt x 300 bar DIN	Cod. <b>43422161</b>

\* The above units are equipped with the full face mask C 607 SP/A in EPDM. Versions with C 607 SP/A in silicone, with SFERA or IDEA SP/A in EPDM or silicone are available. The above mentioned code numbers do not include cylinders which have to be ordered separately. The DIABLO INDUSTRIAL MED approved models are supplied complete with cylinders.