



a LEONARDO company



Dispositivi Protezione Individuale D.P.I. srl  
Direzione e coordinamento di Leonardo S.p.A.  
Via di Cervara 42-00155 Roma Italia; tel. +39 06 2270051;  
dpi@dpisekur.com; dpisrl@pec.it; [www.dpisekur.com](http://www.dpisekur.com)



## Respiratory Protection

### SELF-CONTAINED BREATHING APPARATUSES

# Diablo Industrial MM



TOTAL PROTECTION



COMFORTABLE



RELIABLE



RESPIRATORY PROTECTION



## Respiratory Protection

SELF-CONTAINED BREATHING APPARATUSES

# Diablo Industrial MM

DIABLO INDUSTRIAL is a breathing apparatus, specially designed and developed for the industrial sector.



## DESCRIPTION

DIABLO range includes self-contained open circuit breathing apparatuses with full face mask and demand valve, in compliance with EN 137. The Diablo industrial is Type 1, for general use, and also available in the Type 2 version, which positively passed the flash-over test. This test involves an exposure of the device to heat and flame for 10 seconds at 900°, followed by a drop. During and after the test the apparatus continues to work granting positive pressure inside the mask and maintaining self extinguishing feature.

Diablo Industrial (Type 1) is available, on request, for use in a potentially explosive atmosphere. DIABLO INDUSTRIAL is also MED approved.

- Type 1 configuration is available only with light harness.
- Type 2 configuration is available with padded or with light harness.

## 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 ergonomically fit the shape of the body.
- **Padded body harness** made of self-extinguishing synthetic woven fabric (only Type 2).
- **Light harness** easy to use, clean and decontaminate (Type 1 and 2).
- The **buckles** are flame resistant and quickly adjustable.
- **Black shoulders** with yellow-printed name "DIABLO" identify a Type 1 SCBA. Black shoulders with red-printed name "DIABLO" identify a Type 2 SCBA;
- In the **C2000/2** balanced type pressure reducer (patented) the number of moving components was reduced by 50%. The result is an exceptional response time, an extremely compact medium pressure cycle, smooth breathing and overall performance stability.
- 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 two-stage-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 **demand valve** is of the self-positive type, i.e. it is in a standby mode and switches automatically to positive pressure at the first breath without any waste of air. Available with both threaded connector M45x3 or plug-in;
- **Full face masks** C607 SP/A, SFERA SP/A and IDEA SP/A available in EPDM or Silicone rubber.

## FEATURES

**POSITIVE PRESSURE MASK**  
 with wide vision field and resistant to both high mechanical and thermal stress (class 3).

**E550 DEMAND VALVE**  
 Positive pressure type, compact and perfectly balanced; high performance and small in size; reliable product with stable performance over time. With either thread connection or plug-in connection to mask

**MEDIUM PRESSURE HOSE**  
 flexible and strong. Connected to the demand valve through a quick release coupling

**CHEST BLOCK**  
 light, self-test function. Equipped with a warning signal which provides a constant sound intensity until the air in the cylinder is exhausted

**PLASTIC BUCKLES**  
 light and resistant to both mechanical and thermal stress



**E400 DEMANDE VALVE**  
 positive pressure type

**PADDED OR LIGHT SHOULDER STRAPS**

**FASTENING BELT FOR CYLINDER**  
 adjustable

**ANATOMIC BACK-PLATE**  
 universal size, designed to fit different sizes and shapes. Tilted forward to assure highest stability during the use

**HIGH PRESSURE HOSE**  
 with moving flow limiter assuring a precise reading of the pressure gauge in every condition

**PRESSURE GAUGE**  
 light and reliable, with fluorescent dial. Colored exhaustion area between 55 and 0 bar

**BALANCED PRESSURE REDUCER**  
 simple design, direct connection for a second operator. Additional acoustic device positioned after the safety valve, emitting a sound if the safety valve comes in action

## PERFORMANCES



User friendly



Possibility of configuration



Sturdiness



Easy maintenance

## 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).

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.

## CERTIFICATIONS

The DIABLO INDUSTRIAL SCBA complies with EN 137 and the Regulation EU 2016/425. The MED models are certified in accordance with European Directives 2014/90/UE (Maritime Equipment - MED).

## ART. NO.

For Type 2 configurations with Light harness, please put a "L" after the item number.

### DIABLO INDUSTRIAL MM with **E550 demand valve** (without cylinder)

Type 2, C 607 SP/A EPDM DIN 300	43420300
Type 2, C 607 SP/A Silicone DIN 300	43420310
Type 2, Sfera SP/A EPDM DIN 300	43421300
Type 2, Sfera SP/A Silicone DIN 300	43421310
Type 2, IDEA SP/A EPDM DIN 300	43520300
Type 2, IDEA SP/A Silicone DIN 300	43520310
Type 2, IDEA PLUG-IN EPDM DIN 300	43521300
Type 2, IDEA PLUG-IN Silicone DIN 300	43521310

### DIABLO INDUSTRIAL MM with **E400 demand valve** (with cylinder)

Type 1 Light, without quick couplings, C607 SP/A, 6 l. steel cylinder, DIN 300	43425236L
Type 1 Light, with quick coupling,, C607 SP/A, 6 l. steel cylinder, DIN 300	43425237L
Type 1 Light, without quick couplings, C607 SP/A, 7 l. steel cylinder, DIN 200	43425238L
Type 1 Light with quick couplings, con innesto rapido, C607 SP/A, 7 l. steel cylinder, DIN 200	43425239L
Type 2 MED, without quick couplings, C607 SP/A, 6 l. steel cylinder, DIN 300	43422160
Type 2 MED, with quick couplings, 6 l. steel cylinder, DIN 300	43422161
Type 2 MED, without quick couplings, 7 l. steel cylinder, DIN 200	43422162
Type 2 MED, with quick couplings, 7 l. steel cylinder, DIN 200	43422163

## CYLINDERS

DIABLO code numbers refer to the SCBA not including the cylinder. On demand, the available cylinders range is the following:

Art. No.	Material	Water capacity (litres)	Pressure (Bar)	Air Capacity (litres)	Autonomy (min) **
4200 0755/60 (1*)	Steel	6	300	1800	50
4200 0775/80 (1*)	Steel	7	200	1400	40
4200 0893/0892 (1*)	Composite (PET liner)	6,8	300	2000	60
4200 0897/0896 (1*)	Composite (PET liner)	9	300	2700	77

(1) versions with/without pressure gauge;  
 (\*) with average consumption 35 l/min approx.