



Respiratory Protection

SELF-CONTAINED BREATHING APPARATUSES

Diablo Advanced



TOTAL PROTECTION



COMFORTABLE



RELIABLE





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Diablo Advanced

DIABLO ADVANCED is a high-performance breathing apparatus, for use in high-risk environments with oxygen deficiency.



DESCRIPTION

DIABLO ADVANCED range includes self-contained open circuit breathing apparatuses with full face mask and demand valve, in compliance with EN 137. The Diablo Advanced is Type 1, for general use, and also available in the Type 2 version, which positively passed the flash-over test.

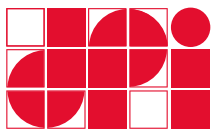
This test involves an exposure of the device to heat and flame for 10 seconds at 900°, followed by a drop. During and after the test the apparatus continues to work granting positive pressure inside the mask and maintaining self extinguishing feature. The Diablo Advanced (Type 1) is available, on request, for use in a potentially explosive atmosphere.

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

MAIN COMPONENTS

- **Anatomic Back-Pack** made of self-extinguishing synthetic resin;
- **Padded body harness** made of a self-extinguishing composite textile (only Type 2).
- **Light harness** easy to use, clean and decontaminate (Type 1 and 2).
- Black shoulders with yellow-printed name “DIABLO” identify a Type 1 SCBA. Black shoulders with red-printed name “DIABLO” identify a Type 2 SCBA;
- Padded belt available on demand;
- **Compensated pressure reducer C2000®**, which allows a free flow of more than 1000 l/min;
- **Chest block**, compact and light, connected to a flexible hose, including pressure gauge and warning whistle;
- **Pressure gauge** extremely user-friendly, thin and light;
- **Medium Pressure Calibration Rubber Seal**, fixed to Pressure Reducer with stainless steel. Panduit straps;
- **Two hoses only**, for medium and high pressure, easy to maintain and replace;
- **Single-stage type warning acoustic whistle**, fitted with a self-test device;
- 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;
- **Positive Pressure full face mask** C607 SP/A, SFERA SP/A and IDEA SP/A, made of either EPDM or Silicone rubber.

Moreover, **DIABLO ADVANCED** is available in three additional configurations which allow the connection to a second operator (OUT), a second source (IN) or to both (IN&OUT).



a **LEONARDO** company

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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 ADVANCED is also available in three additional configurations, which allow the connection to a second outlet (OUT), or to an external air line system (IN), or both (IN & OUT):

1. OUT configuration for the connection to a second outlet is achieved by a "T" connection which derives the medium pressure and ends with a quick coupling valve placed on the belt.
2. IN configuration for the connection to an external compressed air source. In this case the "T" connector which derives the medium pressure, ends with a male connector, placed on the belt, equipped with a check valve to prevent air loss when disconnected.
3. IN & OUT configuration consists of a medium pressure hose ending with a "T" connector equipped with a male coupling, fitted with a check valve, for the connection to an external compressed air source or large size cylinder(s) in addition to a quick coupling valve for the connection to a second outlet.



CERTIFICATIONS

The DIABLO ADVANCED SCBA complies with EN 137 and the Regulation EU 2016/425.

ART. NO.

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

DIABLO ADVANCED 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 ADVANCED with **E400 demand valve** (with cylinder)

Type 1 LIGHT, without secondary outlet, C607 SP/A, M45x3 demand valve, DIN 300	43429009L
Type 1 LIGHT, with secondary outlet, C607 SP/A, M45x3 demand valve, DIN 300	43429011L
Type 1 LIGHT, without secondary outlet, C607 SP/A, Plug-In demand valve, DIN 300	43429058L
Type 1 LIGHT, M45x3 demand valve, IDEA SP/A, DIN 300	43520001L
Type 1 LIGHT, with secondary outlet, IDEA SP/A, M45x3 demand valve, DIN 300	43520002L
Type 1 LIGHT, without secondary outlet, SFERA SP/A, M45x3 demand valve, DIN 300	43429108L
Type 1 LIGHT, with secondary outlet, SFERA SP/A, M45x3 demand valve, DIN 300	43429109L
Type 1 LIGHT, without secondary outlet, SFERA SP/A, Plug-in demand valve,, DIN 300	43429131L
Type 1 LIGHT, with secondary outlet, SFERA SP/A, Plug-In demand valve, DIN 300	43429143

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.