



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.

MAIN COMPONENTS

- The light weight and mechanically resistant carrying frame, is made of selfextinguishing 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.



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Extra wide view full face mask complying to European norms EN 136. One size fits all. For use with dust, gas and combined filters with a threaded connector conforming to EN 148/1 and an overpressure version for use with compressed air supply devices (with threaded connector according to EN 148/3). All versions are available in EPDM and silicone rubber.

MAIN FEATURES

- The pleasant and reliable design, an accurate distribution of weights and the position of the filter, make the SFERA comfortable to wear even after prolonged periods of use.
- Materials used are not likely to cause allergies or irritations to the wearer's skin.
- Very good adaptability to most faces. The shape of the rubber sealing lip has been designed to adapt itself to the user's face and ensure sealing action even along the most critical parts without exercising excessive pressure anywhere.
- Leakage less than 0,05% corresponding to a protective factor of over 2000.
- Extra wide field of vision. In excess of 85% of the natural field of vision.
- Excellent demisting system.
- Breathing resistance: 1.6 mbar during inhalation and 1.8 mbar during exhalation at a flow rate of 160 l/min.
- Greatly reduced internal dead space.
- Excellent voice transmission thanks to the frontal position of the speech diaphragm which allows utilization of a telephone, walkie-talkie and public address device.
- Good flame and radiant heat resistance. The mask is self extinguishing and maintains full protective capacity even after very severe tests.
- Full face polycarbonate visor with a high impact resistance.
- The visor is completely free from distortions, it has an antiscratch coating and a good resistance to acids.
- Quick and easy to don and doff. Neck harness allows comfortable, ready for use carrying of the mask.
- Long storage durability and high resistance to ozone.
- Main components made from synthetic resin suitable for exposure to both low and high temperatures and unaffected by humidity, in accordance with European norms.
- Easily maintained, washed and disinfected: all components can be disassembled with simple tools.
- Compatible with the use of safety helmets.
- Weight: about 650 g.

The SFERA can be fitted with the following Sèkur filters:

- Series 230 (with screw in adaptor EN 148/1);
- Series DIRIN 230;
- Series DIRIN 300;
- Series DIRIN 500;
- Filter DIRIN 530.

MAIN COMPONENTS

- EPDM or Silicone rubber facepiece with adjustable fasteners for the attachment of the harness.
- The full face visor, which is completely distortion free, allows for very extensive vision and is treated with an antiscratch coating.
- The visor frame, which is made of reinforced synthetic resin, ensures the sealing between the visor and the rubber facepiece.
- Inner mask made of either EPDM or silicone rubber equipped with non return valves.
- High efficiency, centrally positioned speech diaphragm.
- Multipurpose connector comprising:
 - Threaded connector complete with inhalation valve and sealing rubber gasket for the filter version according to EN 148/1 and according to EN 148/3 for the SP/A overpressure version.
 - Exhalation valve equipped with compensating prechamber. It is conveniently positioned to ensure perfect discharge of the condensed air and is protected by a removable plastic cover.
 - Five strap elastic harness made of either EPDM or silicone rubber, and neck strap for suspending the mask when not being used.



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CTS ULTRALIGHT 7.0L PLUS
300 BAR

Benefits



Lightness



Non-Limited Life



Performance



Barrier effect



Sanitisation



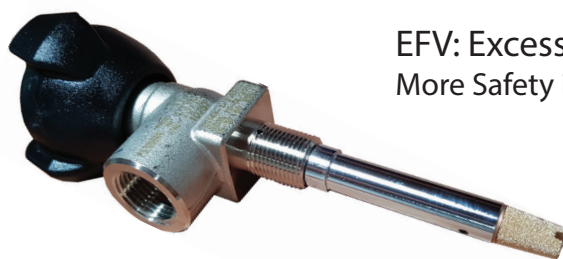
Corrosion
resistance



Maintenance

Technical Data

Title	CTS ULTRALIGHT 7.0L PLUS - 300 BAR
Life	Non-Limited Life
Weight	3.0 kgs
Diameter	158 mm
Length	530 mm
Possible thread	M18x1.5
Gas	UN 1002 Breathing air
Certification	EN 12245:2009 + A1:2011; PED 2014/68/UE



EFV: Excess Flow Valve
More Safety in the Cylinder Protection

Technical Data

Title	Excess Flow Valve . EFV Sunosub
Maintenance	Inspection every 5 years
Flow rate	950 to 1400L/M
Possible thread	M 8x0.75, 10Nm Torque
Gas	UN 1002 Breathing air
Pressure	Suitable for 200 and 300 bar