

**2000 L/h Air generation and treatment
Section**

Made in a soundproof metal cabinet with vibration-damping feet, it is the most compact air generation section currently available and is suitable for small exchanges or containers.

Powered by 220 V AC, it is able to provide the user with a maximum continuous flow of 2000 litres / hour with a typical relative humidity below 1.5%.

Air generation:

Air is generated by a 1.5 CV single-phase motor axially connected to a boxer-configuration twin-cylinder compression unit preceded by a muffler and anti-dust filter and followed by a cooling battery. The rated unit delivery is 6,000 litres/hour.

**Drying:**

The air is dried in a first phase with a coalescence filter and then with two self-regenerating columns with molecular sieves that guarantee a relative humidity level well below 5% in all ambient conditions.

Tank:

The air released from the drying unit is stored in a 10L stainless steel tank at a pressure between 4 to 6 bars.

**Outlet:**

The air in the tank is taken to the outlet via a mechanical regulator that stabilises the pressure value.

Control:

The section is completely autonomous and piloted by an internal microprocessor that controls its operation via a series of sensors. The measurements taken include: tank pressure, outlet pressure, relative humidity, head temperature etc. etc.

A series of two-colour LEDs on the front indicates the status of the various parameters controlled.

The section can work both independently or when connected to a control section (SDC) via a serial data-interface. The data interface enables both the reading of operational parameters and measurements and their programming.

Main features:

AC Power:	220V 10A
DC Power:	48/60 V 1 A
Size :	300L x 300P x 1100H
Outlet Pressure:	0 - 2000 hPa adjustable
Working delivery:	2000 NL
Outlet humidity:	<< 5% (typically 1%)
Data interface:	RS 485 9600 bit/s