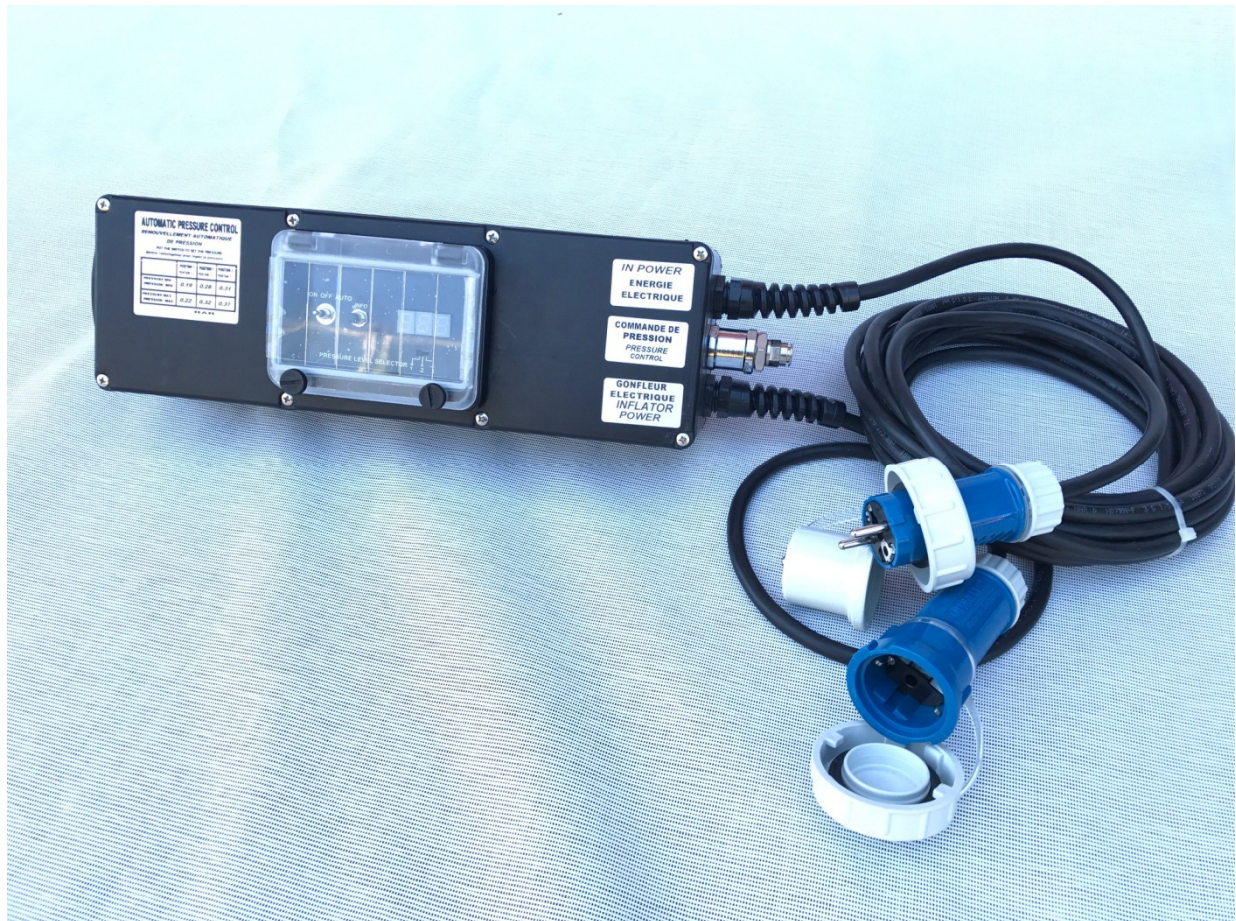


# EXTERNAL MAINTENANCE PRESSURE CONTROL BOARD



# TECHNICAL SPECIFICATION

## EXTERNAL MAINTAINACE PRESSURE CONTROL BOARD

Cod. Art. LOS6RDS93024

Page 2 on 5

---

The external maintenance pressure control board supplied with the tent is fed with a monophasic 230V 50 Hz electric current.

The control board case, composed by a base and a lid, is completely made of hard butyl rubber, so as to ensure excellent mechanical, chemical and electro technical features. The structure is completely insulated, self-extinguishing and resistant to the most common oils, acids and industrial salts.

This butyl rubber ensures maximum elasticity and resistance to accidental shocks, granting at the same time an excellent dimensional stability also in case of temperatures ranging from  $-40^{\circ}\text{C}$  to  $+130^{\circ}\text{C}$ . It complies with the CEI 20-37 regulation and has a low emission of halogenidric gases and toxic smoke. In detail:

- CEI 20-37/2-1 (quantity of the emitted acid halogenidric gases);
- CEI 20-37/2-2 (emitted gases acidity/corrosivity rate);
- CEI 20-37/6 (emitted smoke opacity, max. optical thickness);
- CEI 20-37/7 (toxicity rate of the emitted gases).

The control box supply is fed by means of a HO7RN-F electric cable (section:  $3 \times 2.5 \text{ mm}^2$ ) with a high resistance to abrasion, torsion, cut, pressure, tear. The cable is 7 m long; its free end is fitted with a SHUKO CEE 7/7 230V16A 2P+Grounding IP68 plug. The cable entrance is protected against tear and torsion by a screw cable press.

The inflator supply is fed by means of a HO7RN-F electric cable (section:  $3 \times 2.5 \text{ mm}^2$ ) with a high resistance to abrasion, torsion, cut, pressure, tear. The cable is 1 m long; its free end is fitted with a SHUKO CEE 7/7 230V16A 2P+Grounding IP68 plug. The cable entrance is protected against tear and torsion by a screw cable press.

# TECHNICAL SPECIFICATION

## EXTERNAL MAINTAINACE PRESSURE CONTROL BOARD

Cod. Art. LOS6RDS93024

Page 3 on 5

The control board is provided with an electronic board with led display that allows to select the functioning mode and to read the information about it.



In "AUTO" mode electronic board restores automatically the level of the operative pressure of the pneumatic arches in case of a pressure decreasing due to a big thermal excursion or a light damage on the supporting structure.

By means of a pressure level selector it is possible to choose the range of working pressure as shown in the following chart according to the kind of pneumatic structure to be controlled.

Selector position	Lower pressure value (bar)	Upper pressure value (bar)
1	0.19	0.22
2	0.28	0.32
3	0.31	0.37

When the pressure goes down to the lower value, the inflator starts automatically up to the pressure of the structure reach the upper value.

At every turn on, the electronic board performs a soft-start of the electric motor in order to prolong its life reducing peaks of current.

In order to prevent overheating of the inflator, the electronic control board ménages some pauses of the engine as following described:

In "ON" mode 10 minutes of pause after 15 minutes of continuous operation

In "AUTO" mode 5 minutes of pause after 10 minutes of continuous operation

By means of the "INFO" button is possible to obtain information about the number of the daily interventions (in AUTO mode), the number of the pauses (in AUTO mode), about the total amount of the working hours of the electrical engine and the instant pressure of the structure shown on the LED display.

# TECHNICAL SPECIFICATION

## EXTERNAL MAINTAINACE PRESSURE CONTROL BOARD

Cod. Art. LOS6RDS93024

Page 4 on 5

On the frontal side is mounted a quick coupling connector to connect a pressure feedback coming from the structure to control for a tube of 8mm diameter

Supply voltage	230V 50Hz
Protection degree	IP67
Insulation category	Double insulation
Max output power	2200W
Dimensions L x W x H	480 x 120 x 90 mm
Impact resistance	IK 10
Weight	4 kg

The control board is provided of two fixing system , by hook for tube of 35mm and with slider belt with Velcro tape of other metal profile or inflatable tube up to 50 cm of diameter.

### FIXING BY HOOK



# TECHNICAL SPECIFICATION

## EXTERNAL MAINTAINACE PRESSURE CONTROL BOARD

Cod. Art. LOS6RDS93024

Page 5 on 5

---

### FIXING BY SLIDING BELT

