

VENTURI PANEL FOR ANAESTHETICS GAS SCAVENGING SYSTEM

The Venturi type panel board is an excellent active scavenging system needed for expelling the exhaled gas, which is rich of anaesthetic products supplied in the operating room, of the patient. The Venturi panel board is the best technical/economical solution to realize scavenging pipeline systems suitable for areas with one or two operating rooms.

It is supplied by the 8 bar air network and produces the suction needed for extracting the anaesthetic gases through the terminal units placed in the operating rooms.



The Venturi supply occurs through air at pressure set to a value between 6 and 8 bar

The lid placed on the top of every Venturimeter allows the regulation of the air flow of the related scavenging flow.

The scavenging load from each Venturimeter varies (depending on the input airflow) from 0 to 60 lt/min with depression that goes from 0 – to 180 mm/hg (the preset values are 60 lt/mnt of aspired air with a negative erpsure of 110 mm/hg)

The input of the air in the Venturimeter occurs through an electro-valve by remote controlled by the VENTURI CONTROL PANEL placed nearby the operating room.

The Venturi type panel board can integrate 1 to 3 Venturimeters.

It is necessary to consider that each Venturimeter can supply only one single group of AGSS terminal units at a time.

VENTURI PANEL BOARD Mod.V1 (1 Venturimeter) code 2150 0101

VENTURI PANEL BOARD Mod.V2 (2 Venturimeter) code 2150 0102

VENTURI PANEL BOARD Mod.V3 (3 Venturimeter) code 2150 0100

GENERAL DESCRIPTION:

VENTURI PANEL BOARD

Constituted by:

White lacquered steel semi-recessed or surface mounting box to be placed nearby the exhaust point :

1 to 3 Venturimeters

Air Consumption 18 lt./ min per Venturimeter

Load 60 lt /min per Venturimeter

To 3 air flow regulation taps

Manometer 0-10 Bar

Control 220 V. – 50 Hz electro-valve.

Pressure switch for signalling the lack of air pressure

Electro-valve by-pass realized with a 3/8" ball valve



MOD.	HEIGHT mm	WIDTH mm	RECESS DEPTH mm
V1	500	500	105
V2	500	500	105
V3	500	650	105

CONTROL PANEL

THE CONTROL PANEL FOR VENTURI PANEL BOARD has been conceived and realized complying with the norms CEI EN 6060, UNI EN 475, CEI EN 61000-3-2, CEI EN 55015 and it is supplied with flush or surface mounting box.

The ON/OFF button activates the electro-valve which allows the passage of the supplying air to the Venturimeters.

Any air pressure lack is displayed with an acoustic and luminous red led signal of the panel COMPRESSED AIR INSUFFICIENT PRESSURE .

The “insufficient pressure” condition is set by the pressure-switch placed in the Venturi panel board.



THE CONTROL PANEL IS CONSTITUTED BY:

- ON /OFF switch for the electro-valve activation
- Red LED to signal the insufficient pressure of the supplying air.
- Green LED to signal the tension presence
- Green LED to signal Venturi panel “on”
- Buzzer with automatic switch-off when the alarm conditions terminates
- TEST button (which activates all the acoustic and luminous signals)
- RESET button

