

# EasyAIR® "VENTURI SYSTEM" SUCTION UNITS

The EasyAIR® Venturi vacuum generating system units are particularly suitable in all hospital applications in which it is necessary to get values of vacuum up to -800 mbar and where a central facility of vacuum generation for suction is missing, often for technical choice. As it is well known, the physical principle called "Venturi" allows to get depression from a fluid under pressure. This is obtained, in case of these devices, using medical compressed air coming from the centralized distribution plant. Such devices are made essentially of an aluminum body housed inside a techno-polymer shock proof shell to protect the unit. Inside, over the "Venturi effect" generating assembly, the needle valve for vacuum adjustment is driven by a large ergonomic control knob having a Push&Lock system, to keep locked the preset vacuum value, and Soft Grip inserts for easy handling and adjusting. The vacuum gauge is available in two end of scale options depending on model (-250 mbar or -1000 mbar) and it is housed in the structure to prevent damages caused by possible shocks received during transport or use.

## STANDARD OUTLET CONNECTION

ISO G. 1/2" M. + quick release system for EasySAFE® PLUS safety jar connection only.



**I/O SWITCH**  
Push switch button.

## Standard inlet connections

EasyAIR® 250 - 1000 ▶ ISO G 1/4" M. • 1/4" NPT M.

## Maximum suction flow

EasyAIR® 250 ▶ 19 L/min. ±2 L/min. at -220 mbar

EasyAIR® 1000 ▶ 27 L/min. ±2 L/min. at -775 mbar

## Maximum available negative pressure effective value

EasyAIR® 250 ▶ -220 mbar ±15 mbar

EasyAIR® 1000 ▶ -800 mbar -25 mbar

## Safety valve against back pressure excess

EasyAIR® 250 ▶ preset with anti clogging system

EasyAIR® 1000 ▶ N/D

## Air consumption at the maximum suction value

EasyAIR® 250 ▶ 25 L/min. ±2 L/min.

EasyAIR® 1000 ▶ 60 L/min. ±2 L/min.

## Vacuum gauge

EasyAIR® 250 ▶ 0 ÷ -250 mbar

EasyAIR® 1000 ▶ 0 ÷ -1000 mbar

## Standard supplied pressure

EasyAIR® 250 - 1000 ▶ 400 kPa ±10%



**Suction level adjustment system**

Needle valve.

**Safety valve against positive back pressure**

Membrane system.



#### VACUUM SETTING KNOB

With Push&Lock system and Soft Grip inserts for easy handling.

#### VACUUM GAUGE PROTECTION

Techno-polymer cover.

#### VACUUM GAUGE READING SCALE

Vacuum gauge with colored sectors scale, for easy reading of set vacuum values.

The EasyAIR® Venturi vacuum generating system units are manufactured with outlet threaded connection for screwing in the usual collection containers for suctioned fluids, or for direct connection to the EasySAFE® PLUS safety jar, through a specific quick release integrated connection. The I/O switch button allows the operator to quickly stop and reactivate the suction, keeping unchanged the previous vacuum preset value. The extreme rationality and simplicity, combined with the sophisticated technical execution, allow both operators and patients to appreciate the safety and reliability of this medical device. Being the system working with a principle where medical air under pressure goes released to the environment, the equipment has a high efficiency silencer reducing the noise to allow an adequate level of comfort for patients and operators. The system fits a special device expressly designed and realized with an one-way membrane safety valve, to protect the patient against accidental back pressures.

#### Weight

EasyAIR® 250 ▶ 0.540 Kg

EasyAIR® 1000 ▶ 0.570 Kg

#### Overall dimensions

safety jar excluded

EasyAIR® ▶ L 89 x W 123 x H 141 mm