

# AV

## Venturi suction units

The Venturi AV/500 vacuum generating system units are particularly suitable in all hospital applications in which it is necessary to get values of vacuum up to -850 mbar and where a central facility of vacuum generation for suction is missing, often for technical choice.

### STRUCTURE

As it is well known, the physical principle called "Venturi" allows to get depression from a fluid under pressure, which is obtained, in case of these devices, using medical compressed air coming from the centralized distribution plant. Such devices are composed essentially of a brass chrome-plated body, a needle valve with vacuum adjustment knob and a vacuum gauge protected by a silicon cover to avoid damages caused by possible impacts during transport or use.

The AV/500 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®** and **EasySAFE® PLUS** safety jars, through a specific quick release integrated connection.

### Main information



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 safety valve, to protect the patient against accidental back pressures.

### Related products



Safety jars  
from p. 89



Collection jars  
from p. 96



Probes  
and Accessories  
from p. 103

<b>SIZES (LxWxH)</b>	92x71x100 mm
<b>WEIGHT</b>	0.29 Kg
<b>MAX. SUCTION RANGE</b>	40 L/min ±5 L/min
<b>VACUUM GAUGE SCALE</b>	0 ÷ -1000 mbar
<b>MAXIMUM ADJUSTABLE DEPRESSION (WITH PLATE PRESSURE ±10%)</b>	-800 mbar/hPa -25 mbar/hPa
<b>GAS AND SUPPLY PRESSURE (STANDARD VERSION)</b>	compressed air 400 kPa (4.0 bar) ±10%
<b>ADJUSTMENT OF SUCTION LEVEL</b>	needle valve
<b>AIR CONSUMPTION AT THE MAX. SUCTION VALUE</b>	74 L/min. ±2 L/min.
<b>NOISE LEVEL</b>	<70 dB
<b>INLET CONNECTION</b>	ISO G. 1/4" M.
<b>OUTLET CONNECTION</b>	ISO G. 1/2" M. + quick release system for <b>EASYSAFE®</b> or <b>EasySAFE® PLUS</b> safety jar connection

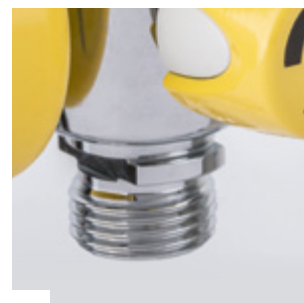
- 1 **Vacuum gauge** with colored sectors scale, for easy reading of set vacuum values.
- 2 The **adjusting knob** allows the suction value setting in a stable and accurate way.
- 3 Quick release system for **EasySAFE® PLUS** or **EASYSAFE®** safety jar connection.
- 4 **AV/500** with direct connection to **EasySAFE® PLUS** p. 90



1



2



3