VENTURI BACKPACK (ISO)

DESCRIPTION AND APPLICATION

Alternative vacuum source

The Ohio Medical® Venturi Backpack is designed to work with vacuum regulators. Combining the Venturi Backpack with a vacuum regulator creates a Venturi system that delivers high flow, regulated vacuum from a medical air or oxygen gas source. These gas-powered systems are whisper quiet and provide a high rate of flow while minimizing gas consumption. As an alternative to electric suction, the Venturi Backpack and vacuum regulator combinations are ideal for use when wall vacuum is limited. This state-of-the-art technology provides true regulated suction when using compressed gas for sensitive clinical applications, including:

- Upper airway management
- Gastric drainage
- Surgical Suctioning

A variety of Venturi Backpack and Vacuum Regulator combinations are available to meet your clinical needs.
TECHNICAL SPECIFICATIONS

Regulated Vacuum Level
0-500 mmHg maximum; limited to range of regulator

Flow Rate (Suction Capacity)
>30 L/min Continuous and Intermittent units

Inlet Pressure
45-80 psi (310-552 kPa) Pump

Compressed Air Consumption with Inlet Pressure
30 L/min with 50 psi pressure
36 L/min with 60 psi pressure

Noise Level
<60 dBA with 60 psi supply pressure and open vacuum flow and
<50 dBA with 10 L/min vacuum flow

Safety Device
Positive pressure relief valve

Drive (Gas Supply)
Medical air or oxygen

Regulator Gauges
Easy to read, dual scale

Aspirate Overflow Protection
Overflow safety traps and suction filters available

Service
Modular regulator parts available

Applied Standards
ISO 10079-3

Sterilization
Ethylene Oxide

PURCHASING SPECIFICATIONS

In conjunction with the Ohio Medical® Vacuum Regulator, the Venturi Backpack utilizes a unique two-stage active injector to generate efficient, high flow and vacuum. The Venturi Backpack configuration is available with all Ohio Medical Continuous Vacuum Regulator (CVR) models and the Intermittent Suction Unit (ISU). The unit is capable of delivering flows up to 30 L/min at both high and low vacuum settings. The Venturi Backpack comes with a separate side action pressure source control knob that allows for easy On/Off access. The exhaust of the Venturi operates at noise levels at or below 60 dB under normal operation which adds to patient comfort.

Dimensions/Weight without Overflow Safety Trap
Venturi Backpack and Continuous Vacuum Regulator:
Size: 19 x 10,9 x 14 cm / 590 g (7.5” x 4.3” x 5.5” / 1.3 lbs)
Venturi Backpack and PTS Continuous Vacuum Regulator:
Size: 21,6 x 9,9 x 16,5 cm / 590 g (8.5” x 3.9” x 6.5” / 1.3 lbs)
Venturi Backpack and Intermittent Suction Regulator:
Size: 17 x 10,9 x 12,4 cm / 1000 g (6.7” x 4.3” x 4.9” / 2.21 lbs)
Venturi Backpack and PTS Intermittent Suction Regulator:
Size: 21,6 x 9,9 x 16,5 cm / 667 g (8.5” x 3.9” x 6.5” / 1.5 lbs)

SHIPPING INFORMATION

Shipping Weight*
Venturi Backpack with:
Continuous Vacuum Regulator: 698 g (1 lb, 8.6 oz)
Intermittent Suction Unit: 1152 g (2 lbs, 8.6 oz)
PTS Continuous Vacuum Regulator: 737 g (1 lb, 10 oz)
PTS Intermittent Suction Unit: 822 g (1 lb, 13 oz)

Packaging Size (H x W x D)
Venturi Backpack with:
Continuous Vacuum Regulator: 26,2x19,8x17,3 cm (10.3”x7.8”x6.8”)
Intermittent Suction Unit: 20,3x8,9x11,9 cm (8”x3.5”x4.7”)
PTS Continuous Vacuum Regulator: 26,7x19,7x17,8 cm (10.5”x7.75”x7”)
PTS Intermittent Suction Unit: 26,7x19,7x17,8 cm (10.5”x7.75”x7”)

Packaging: One per container

*Shipping Weight is less fittings and adapters

Parts Configuration

CVR & ISU................................. 67
Push-To-Set™ CVR & ISU........ 87

Adapter (vacuum source connection)
No Adapter with 1/8” NPT Female............... 00
British Standard (BOC).......................... 31
German Standard (DIN).......................... 32
French Standard (AFNOR)......................... 33
Nordic Standard (AGA).......................... 34

Vacuum Regulator Type (ISO/CE).............
3-Mode High Continuous Regulator - Air ...... 2229
2-Mode High Continuous Regulator - Air ...... 2230
2-Mode NEO Continuous Regulator - Air ...... 2232
2-Mode PED Continuous Regulator - Air ...... 2233
Intermittent Suction Unit - Air .................. 2253
PED Intermittent Suction Unit - Air .......... 2273

Vacuum Regulator Type (ISO/CE)
3 Mode High Continuous Regulator - Oxygen.... 3229
2-Mode High Continuous Regulator - Oxygen.... 3230
2-Mode NEO Continuous Regulator - Oxygen... 3232
2-Mode PED Continuous Regulator - Oxygen.... 3233
Intermittent Suction Unit - Oxygen............... 3253
PED Intermittent Suction Unit - Oxygen........ 3273