

Venturi Backpack

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.



Venturi Backpack with
Continuous Vacuum
Regulator



Venturi Backpack with
Intermittent Suction
Unit



Venturi Backpack with
Push-To-Set™
Continuous Vacuum
Regulator



Venturi Backpack with
Push-To-Set™
Intermittent Suction
Unit

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 dB with 60 psi supply pressure and open vacuum flow and

<50 dB 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

XX XX - XXXX - 9 XX

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

Fittings (patient connection)

No Fitting (1/8" NPT Female) 00
Tubing Nipple 01
Locking Gland & Overflow Safety Trap..... 05

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

EXAMPLE: 8731-2233-905 Push-To-Set™ Two-Model Pediatric Continuous Vacuum Regulator with Venturi Backpack with BOC Adapter, Locking Gland & Overflow Safety Trap.

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