

Venturi Backpack (ANSI)

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 the only 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



Baffle Only
6700-0310-500

Venturi Backpack
Ejector Module
6700-0690-800
(Available in black only)

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 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

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 dBA under normal operation which adds to patient comfort.

Dimensions/Weight without Overflow Safety Trap

Venturi Backpack and Continuous Vacuum Regulator:

Size: 7.5" x 4.3" x 5.5" / 1.3 lbs.

Venturi Backpack and PTS Continuous Vacuum Regulator:

Size: 8.5" x 3.9" x 6.5" / 1.3 lbs

Venturi Backpack and Intermittent Suction Regulator:

Size: 6.7" x 4.3" x 4.9" / 2.21 lbs.

Venturi Backpack and PTS Intermittent Suction Regulator:

Size: 8.5" x 3.9" x 6.5" / 1.5 lbs

SHIPPING INFORMATION

Shipping Weight*

Venturi Backpack with:

Continuous Vacuum Regulator: 1 lb, 8.6 oz

Intermittent Suction Unit: 2 lbs, 8.6 oz

PTS Continuous Vacuum Regulator: 1 lb, 10 oz

PTS Intermittent Suction Unit: 1 lb, 13 oz

Packaging Size (H x W x D)

Venturi Backpack with:

Continuous Vacuum Regulator: 10.3" x 7.8" x 6.8"

Intermittent Suction Unit: 8" x 3.5" x 4.7"

PTS Continuous Vacuum Regulator: 10.5" x 7.75" x 7"

PTS Intermittent Suction Unit: 10.5" x 7.75" x 7"

Packaging: One per container

*Shipping Weight is less fittings and adapters

EXAMPLE: 8701-2234-905 Push-To-Set™ Two-Model Pediatric Continuous Vacuum Regulator with Venturi Backpack with Ohio Diamond Adapter, Locking Gland & Overflow Safety Trap.

Parts Configuration

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

Fittings (patient connection)	
Locking Gland & overflow Safet Trap	05
DISS Male & Overflow Safety Trap, DISS Wing Nut & Gland	08

Adapter (vacuum source connection)	
No Adapter with 1/8" NPT Female	00
Diamond	01
DISS Hand-I-Twist (HIT)	02
Chemetron Rectangle Stricker (NCG) Air	05
Chemetron Round Striker (NCG) Oxygen	06
Puritan-Bennett	07

Vacuum Regulator Type	
3-Mode Continuous Regulator - Air	2224
2-Mode Continuous Regulator - Air	2225
3-Mode High Continuous Regulator - Air	2226
2-Mode Low Continuous Regulator - Air	2227
2-Mode High Continuous Regulator - Air	2330
2-Mode NEO Continuous Regulator - Air	2231
2-Mode PED Continuous Regulator - Air	2234
Intermittent Suction Unit - Air	2251
PED Intermittent Suction Unit - Air	2271

Vacuum Regulator Type	
3-Mode Continuous Regulator - Oxygen	3224
2-Mode Continuous Regulator - Oxygen	3225
3 Mode High Continuous Regulator - Oxygen	3226
2-Mode Low Continuous Regulator - Oxygen	3227
2-Mode High Continuous Regulator - Oxygen	3330
2-Mode NEO Continuous Regulator - Oxygen	3231
2-Mode PED Continuous Regulator - Oxygen	3234
Intermittent Suction Unit - Oxygen	3251
PED Intermittent Suction Unit - Oxygen	3271