Ohio Medical’s Push-To-Set® Intermittent and Continuous Vacuum Regulators
Ohio Medical Corporation’s Push-To-Set™ (PTS) family of vacuum regulators come with our durable, time tested, quality design you have come to know.

Clear markings show what mode the unit is in

Glow-in-the dark gauge provides visibility in low-light situations

Top mounted on/off switch for ease of use

Stat Set-Up Intermittent mode starts in the “ON” cycle - No waiting

Smaller, sleek design for tight spaces

Quietest on the market

Fully adjustable timing cycles preset to 15 seconds On / 8 seconds OFF

Quick-To-Max Only 2 turns from 0 to full wall vacuum

Also available with a Digital Gauge Large, easy to read display

UNMATCHED ACCURACY! for greater safety +/- 1% of full scale

Patented Push-To-Set™ Built-in feature eliminates the need to occlude patient tubing to set accurate vacuum levels

Information/products in this catalog subject to change without notice.
Higher than recommended suction levels are frequently set for most common suctioning procedures.

**Fact:** If occlude-to-set is not performed, over-suctioning may occur*

**Fact:** Higher than recommended suction levels may lead to tissue damage/bleeding*

**Fact:** Tissue tears may lead to infection*

*Reference Neonatal Intensive Care, May-June 2008 Issue, Article: Enhancing the Safety of Medical Suction Through Innovative Technology, by Patricia Carroll, RN, BC, CEN, RRT, MS*
Push-To-Set™ Adult Intermittent Suction Regulators (ISU)  
(Analog or Digital)

Technical Specifications

Safety Feature: Push-To-Set™ Automatic occlusion device  
Quick-To-Max (2 turns to full wall vacuum)  
One hand to set vacuum level

Flow Rate:  
Intermittent: Preset at 8 L/min per ASTM*  
Continuous: 0 to 80 L/min (without fittings at full increase)

Timing:  
Easily adjustable without cover or gauge removal  
Silent ON/OFF switching  
Preset 15 seconds ON / 8 seconds OFF (± 3 seconds)  
Front case adjustable at bedside  
 Begins in the “ON” mode

Vacuum Range: 0 to 200 mmHg and full wall vacuum

Gauge Display:  
Analogue: Glow in the dark in low or no light environments  
Digital: Large, easy to read display with range indicators

Gauge Accuracy:  
Analogue: ± 10 mmHg or ± 5% Full Scale Deflection  
Digital: ± 2.0 mmHg or ± 1% Full Scale Deflection

Battery (Digital): Primary Lithium: 2/3AA, 3.6V, 1.6 Ah

*American Society for Testing & Materials

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Push-To-Set™ Pediatric/Neonatal Intermittent Suction Regulators (ISU) (Analog or Digital)

Safety Feature: Push-To-Set™ Automatic occlusion device
Quick-To-Max (2 turns to full wall vacuum)
One hand to set vacuum level
Positive Pressure Safety Relief Valve

Flow Rate: Intermittent: preset at 8 L/min per ASTM*
Continuous: 0 to 80 L/min (without fittings at full increase)

Timing: Easily adjustable without cover or gauge removal
Silent ON/OFF switching
Preset 15 seconds ON / 8 seconds OFF (± 3 seconds)
Front case adjustable at bedside
Begins in the “ON” mode

Vacuum Range: 0 to 160 mmHg (PED)
0 to 100 mmHg (NEO)

Gauge Range: 0 to 160 mmHg (PED)
0 to 100 mmHg (NEO)

Gauge Display: Analog: Glow in the dark in low or no light environments
Digital: Large, easy to read display with range indicators

Gauge Accuracy:
Analog: ± 8 mmHg or ±5% Full Scale Deflection
Digital: ± 1.6 mmHg or 1% of full scale deflection (PED)
± 1.0 mmHg or 1% of full scale deflection (NEO)

Battery (Digital): Primary Lithium: 2/3AA, 3.6V, 1.6 Ah

*American Society for Testing & Materials

Information/products in this catalog subject to change without notice.
Push-To-Set™ Adult Continuous Vacuum Regulator (CVR) (Analog or Digital)

Information/products in this catalog subject to change without notice.
Push-To-Set™ Pediatric/Neonatal Continuous Vacuum Regulator (CVR)(Analog or Digital)

Two Mode Low NEO Continuous
- Modes: I (ON), O (OFF)
- Gauge: Low Vacuum (0-100 mmHg)
- Color Band: Low, Medium, High
- Regulated Vacuum: 0-100 mmHg

Two Mode Low PED Continuous
- Modes: I (ON), O (OFF)
- Gauge: Low Vacuum (0-160 mmHg)
- Color Band: Low, Medium, High
- Regulated Vacuum: 0-130 mmHg

Technical Specifications

Safety features:
- Push-To-Set™ passive, safe vacuum level selection
- Quick to Max - 2 turns or less to full wall vacuum resuscitation
- One hand to set vacuum level correctly and safely
- Negative Pressure Safety Relief Valve (NEO & PED Units)

Gauge Accuracy:
- Analog: ±5% full scale deflection
- Digital: ±1% of full scale deflection or
  - 0-100 Gauge: ±1.0 mmHg
  - 0-160 Gauge: ±1.6 mmHg
  - 0-200 Gauge: ±2.0 mmHg
  - 0-760 Gauge: ±7.6 mmHg

Vacuum Range:
- 0-100 mmHg (NEO); 0-130 mmHg (PED);
- 0-200 mmHg and up to full wall vacuum (Standard); 0-760 mmHg (High)

Gauge Display:
- Analog: Glow in the dark in low or no light environments
- Digital: Large, easy to read display

Flow Rate:
- Adult: 0-80 Lpm without fittings at full increase
- Low NEO/PED: 0-50 Lpm without fittings at full increase

Battery:
- Primary Lithium: 2/3AA, 3.6V, 1.6 Ah
Color Code your Push-To-Set™ ISU or CVR Vacuum Regulators.
A solution for labeling your regulators to show department ownership or special clinical applications.
Can be used on either Analog or Digital Regulators.

Color Coding Labels

Intermittent Suction Unit

Continuous Vacuum Regulator

8700-0010-101 GOLD (5 labels/order)
8700-0010-102 PEACH (5 labels/order)
8700-0010-103 WATERMELON (5 labels/order)
8700-0010-104 PURPLE (5 labels/order)
8700-0010-105 TEAL (5 labels/order)

8700-0010-106 BLUE (5 labels/order)
8700-0010-107 LIGHT GRAY (5 labels/order)
8700-0010-108 PINK (5 labels/order)
8700-0010-109 LIME (5 labels/order)
8700-0010-110 DARK GRAY (5 labels/order)

Information/products in this catalog subject to change without notice.
Color Code your Push-To-Set™ Digital ISU or CVR Vacuum Regulators.
A solution for labeling your regulators to show department ownership or special clinical applications.
Color cases are only available with a digital gauge.

Color Coding

- **Blue**
- **Yellow**
- **Purple**
- **Pink**
- **Lt. Blue**
- **Red**

Additional colors are available for an additional charge.
Please contact inside sales at 866-549-6446, Option 1
Ordering Matrix - Intermittent Suction Unit

87 XX - XXXX - 9 XX

```
Fittings (patient connection)
No Fitting 1/8" NPT Female 00
Tubing Nipple 01
Locking Gland 04
Locking Gland & Overflow Safety Trap 05
DISS Male 07
DISS Male & Overflow Safety Trap, DISS Wing Nut & Gland 08
Pole Mount Bracket with Locking Gland & Overflow Safety Trap 28
Pole Mount Bracket with Tubing Nipple 29
```

```
Vacuum Regulator Type
Analog:
Intermittent Suction Unit *1251
Pediatric Intermittent Suction Unit 1271
Neonatal Intermittent Suction Unit 1279

Digital:
Intermittent Suction Unit 1351
Pediatric Intermittent Suction Unit 1371
Neonatal Intermittent Suction Unit 1372

*MR Conditional
```

```
Digital PTS Regulators
<table>
<thead>
<tr>
<th>Yellow</th>
<th>Blue</th>
<th>Pink</th>
<th>Red</th>
<th>Lt. Blue</th>
<th>Purple</th>
</tr>
</thead>
<tbody>
<tr>
<td>1451</td>
<td>1551</td>
<td>1651</td>
<td>1751</td>
<td>1851</td>
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<td>1471</td>
<td>1571</td>
<td>1671</td>
<td>1771</td>
<td>1871</td>
<td>1971</td>
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<td>1472</td>
<td>1572</td>
<td>1672</td>
<td>1772</td>
<td>1872</td>
<td>1972</td>
</tr>
</tbody>
</table>
```

Overflow Safety Traps and Filters

```
Overflow Safety Traps
Overflow Safety Trap with Locking Gland 6700-0365-901
Overflow Safety Trap with Hand-I-Twist (HIT) 6702-0365-901
Overflow Safety Trap with DISS Wing Nut & Gland 6703-0365-901
Overflow Safety Trap with DISS Male Adapter 6714-0365-901
```

```
Filters
Tubing x Tubing nipple Package of 10 6730-0571-800
Package of 50 6730-0572-800

1/8" NPT Threaded x Tubing nipple Package of 10 6730-0581-800
Package of 50 6730-0582-800
```

Information/products in this catalog subject to change without notice.
Ordering Matrix - Continuous Vacuum Regulator

Vacuum Regulator Type

Analog:
- 3-Mode Continuous Vacuum Regulator *1224
- 2-Mode Continuous Vacuum Regulator *1225
- 3-Mode High Continuous Vacuum Regulator *1226
- 2-Mode High Continuous Vacuum Regulator *1330
- 2-Mode Neonatal Continuous Vacuum Regulator 1231
- 2-Mode Pediatric Continuous Vacuum Regulator 1234

Digital:
- 3-Mode Continuous Vacuum Regulator 1324
- 2-Mode Continuous Vacuum Regulator 1325
- 3-Mode High Continuous Vacuum Regulator 1326
- 2-Mode High Continuous Vacuum Regulator 1430
- 2-Mode Neonatal Continuous Vacuum Regulator 1431
- 2-Mode Pediatric Continuous Vacuum Regulator 1434

*MR Conditional

Digital PTS Regulators

<table>
<thead>
<tr>
<th>3-Mode Standard CVR</th>
<th>Yellow</th>
<th>Blue</th>
<th>Pink</th>
<th>Red</th>
<th>Lt. Blue</th>
<th>Purple</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Mode High CVR</td>
<td>1426</td>
<td>1526</td>
<td>1626</td>
<td>1726</td>
<td>1826</td>
<td>1926</td>
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<tr>
<td>2-Mode Standard CVR</td>
<td>1425</td>
<td>1525</td>
<td>1625</td>
<td>1725</td>
<td>1825</td>
<td>1925</td>
</tr>
<tr>
<td>2-Mode High CVR</td>
<td>1530</td>
<td>1630</td>
<td>1730</td>
<td>1830</td>
<td>1930</td>
<td>2030</td>
</tr>
<tr>
<td>2-Mode NEO(0-100mmHg) CVR</td>
<td>1431</td>
<td>1531</td>
<td>1631</td>
<td>1731</td>
<td>1831</td>
<td>1931</td>
</tr>
<tr>
<td>2-Mode PED (0-160mmHg) CVR</td>
<td>1434</td>
<td>1534</td>
<td>1634</td>
<td>1734</td>
<td>1834</td>
<td>1934</td>
</tr>
</tbody>
</table>

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Ohio
Medical Corporation*
always there | for life

Suction & Oxygen Therapy Devices
Portable Suction Machines
Medical Gas Pipeline Equipment
Vacuum & Air Compressor Packages and Accessories

Ask about our clinical excellence program

Part 1: Clinical Animation Video
"Avoiding the hazards of inadvertent administration of high suction pressures"

Part 2: Clinical Video
Understanding the Hazards of oversuctioning

Both videos can be viewed on our website: www.ohiomedical.com

Vacuum Regulators - Quick Reference Chart

<table>
<thead>
<tr>
<th>Type of Regulator</th>
<th>Model Type</th>
<th>Adult</th>
<th>Pediatric</th>
<th>Neonatal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Push-To-Set™ Intermittent Suction Unit (Analog)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Push-To-Set™ Continuous Vacuum Regulator (Analog)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Push-To-Set™ Intermittent Suction Unit (Digital)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Push-To-Set™ Continuous Vacuum Regulator (Digital)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Intermittent Suction Unit (Analog)</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuous Vacuum Regulator (Analog)</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thoracic Vacuum Regulator (Analog)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surgical/Free-Flow Vacuum Regulator (Analog)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1111 Lakeside Drive, Gurnee, IL 60031
866-549-6446 - Fax: 847-855-6218
www.ohiomedical.com

P/N 255419 Rev.4 (09/2011)
Vacuum Regulators

Ohio Medical™ has been providing suction products to healthcare facilities worldwide for 50 years. Our vacuum regulators continue to be the preferred choice for maximum performance, high quality and minimum maintenance.

Surgical/Free-Flow is uniquely designed for high-vacuum O.R. needs and can be ordered for specialty O.R. procedures involving autotransfusion and minimally-invasive cardiac surgery.

The Thoracic chest drainage regulator makes an inexpensive "wet" chest drain into a highly accurate "dry" one.

All Vacuum Regulators feature:

- Lightweight, compact design
- Impact-resistant, corrosion-free, rugged construction
- Easy-to-read, color-coded gauge ranges
- Glow-in-the-dark gauge needle and increments
- Dependable, time-tested gauges and controls
- Low maintenance, easy service
- Comprehensive ten year parts and labor warranty (regulator only)

Vacuum Regulator Specifications

<table>
<thead>
<tr>
<th>Features</th>
<th>Surgical/Free-Flow Standard Gauge</th>
<th>Surgical/Free-Flow High Gauge</th>
<th>Thoracic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode Selection:</td>
<td>On (regulate) Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Max (full line)</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Intermittent</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Continuous</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Regulated Vacuum Range</td>
<td>0-200 mmHg Quick Turn Control Knob from 0 to Full Vacuum (one turn)</td>
<td>0-760 mmHg Quick Turn Control Knob from 0 to Full Vacuum (one turn)</td>
<td>0-50 cm H2O Vacuum</td>
</tr>
<tr>
<td>Gauge Accuracy (Analog)</td>
<td>+/- 5% Full Scale Deflection</td>
<td>+/ - 3 cm H2O</td>
<td></td>
</tr>
<tr>
<td>Gauge Color Band</td>
<td>Low, Med, High &amp; Full Vacuum</td>
<td>High</td>
<td>Low</td>
</tr>
<tr>
<td>Flow rate</td>
<td>0-150 LPM without fittings at full increase</td>
<td>0-150 LPM without fittings at full increase</td>
<td>0-40 LPM at full increase</td>
</tr>
<tr>
<td>&quot;MR&quot; Conditional</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Weight</td>
<td>23 oz.</td>
<td>15 oz.</td>
<td></td>
</tr>
<tr>
<td>Overall Dimensions</td>
<td>7.0&quot;H x 3.5&quot;W x 4/6&quot;D</td>
<td>7.2&quot;H x 3/5&quot;W x 4.3&quot;D</td>
<td></td>
</tr>
<tr>
<td>Standards</td>
<td>Conforms to ISO 10079-3 and ASTM F960 for all</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parts Repair Kits</td>
<td>Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service Manual</td>
<td>Available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Surgical/Free-Flow Vacuum Regulator is specifically designed to provide high flow rates and minimal restriction in the Operating Room and other areas where high levels of suction are required. It provides reliable, full-range aspiration for continuous flow suction procedures and is equipped with many convenient, easy-to-use features to facilitate surgical and emergency suctioning.

Other features include:

- Two models available to meet your needs
  - Surgical/Free-Flow regulates vacuum levels at Low, Medium and High levels up to full vacuum with gauge increments up to 200 mmHg
  - High Surgical/Free-Flow regulates vacuum up to 760 mmHg and can test maximum pressure from wall outlets
- Straight-through suction control – Provides high flow rates up to 150 LPM and prevents buildup of aerosols; reduces clogging and downtime
- Full Range Regulation – Regulates at Low, Medium and High settings up to full line vacuum.
- Quick Flip On/Off Switch – Observable On position. Turns On to preset level. Can be turned off with elbow (useful when scrubbed)
- Diagnostic Window – Direct observation of mechanical workings. Simple access for cleaning and repairs
- Interchangeable modular parts
- Full Ten Year Parts and Labor Warranty (regulator only)
- Options for specialty O.R. procedures, autotransfusion and minimally-invasive cardiac surgery

### Surgical/Free-Flow Vacuum Regulator Ordering Matrix

<table>
<thead>
<tr>
<th>Fittings (Patient Connection)</th>
<th>No Adapter w/1/8&quot;NPT</th>
<th>Ohio Diamond</th>
<th>DISS (HT)</th>
<th>DISS Nut &amp; Gland</th>
<th>Schrader</th>
<th>Chemetron Rectangle Striker (NCG)</th>
<th>Puritan Bennett</th>
<th>O.E.S. Twist</th>
<th>O.E.S. Med Star</th>
<th>90° Tubing Nipple</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tubing Nipple</td>
<td>6700-1246-901</td>
<td>6701-1246-901</td>
<td>6702-1246-901</td>
<td>6703-1246-901</td>
<td>6704-1246-901</td>
<td>6705-1246-901</td>
<td>6707-1246-901</td>
<td>6708-1246-901</td>
<td>6709-1246-901</td>
<td>6711-1246-901</td>
</tr>
<tr>
<td>1/2 Gallon Collection Bottle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locking Gland</td>
<td>6700-1246-904</td>
<td>6701-1246-904</td>
<td>6702-1246-904</td>
<td>6703-1246-904</td>
<td>6704-1246-904</td>
<td>6705-1246-904</td>
<td>6707-1246-904</td>
<td>6708-1246-904</td>
<td>6709-1246-904</td>
<td>6711-1246-904</td>
</tr>
<tr>
<td>Locking Gland &amp; Overflow Safety Trap</td>
<td>6700-1246-905</td>
<td>6701-1246-905</td>
<td>6702-1246-905</td>
<td>6703-1246-905</td>
<td>6704-1246-905</td>
<td>6705-1246-905</td>
<td>6707-1246-905</td>
<td>6708-1246-905</td>
<td>6709-1246-905</td>
<td>6711-1246-905</td>
</tr>
</tbody>
</table>

To order with High gauge, replace 1246 with 1247
The unique Thoracic Vacuum Regulator brings precision and convenience to pleural and mediastinal drainage procedures. When combined with a water seal and collection bottle (or disposable chest drainage systems), this regulator provides improved performance and flexibility over traditional methods of chest drainage. The Thoracic Vacuum Regulator is designed to maintain accurate and stable negative pressure at very low, accurate suction levels while providing maximum flow rates for keeping up with air-leaks in the lung.

Other features include:

- Automatically compensates for vacuum fluctuations (i.e. leaks) at the catheter or wall outlet
- Extremely accurate analog gauge measures in world-standard cm H₂O
- Fine-tuning suction control knob – Moves slowly and precisely, taking 5 full turns to span entire gauge range
- Positive Pressure Relief Valve – Vents positive pleural pressure or accidental positive pressure away from the patient and system
- Pressure Limiting Valve – Prevents negative pressure from exceeding 55 cm H₂O
- Silent Vacuum Control – Eliminates bubbling noise associated with water manometers
- Delivers High Flow Rates – At least 40 LPM at full increase dependent upon vacuum supply and set up
- Extended Range – Provides higher negative pressures required for multiple chest tubes and other applications
- Full Ten Year Parts & labor Warranty (regulator only)
- Makes an inexpensive “wet” chest drain into a highly accurate “dry” one

Thoracic Vacuum Regulator Ordering Matrix

<table>
<thead>
<tr>
<th>Fittings (Patient Connection)</th>
<th>Adapter (Vacuum Source Connection)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No Adapter w/1/8” NPT</td>
</tr>
<tr>
<td>Tubing Nipple</td>
<td>6700-1275-901</td>
</tr>
<tr>
<td>Locking Gland</td>
<td>6700-1275-904</td>
</tr>
<tr>
<td>Model</td>
<td>Ordered Part Numbers</td>
</tr>
<tr>
<td>------------------------------</td>
<td>--------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>PTS 2-Mode NEO CVR (Ana)</td>
<td>8711-1231-914, 8711-1231-930, 8711-1231-935, 8711-1231-913, 8711-1231-919, 8711-1231-915, 8710-1231-910, 8712-1231-907</td>
</tr>
<tr>
<td>PTS 3-Mode CVR (Dig)</td>
<td>8711-1324-914, 8711-1324-930, 8711-1324-935, 8711-1324-913, 8711-1324-919, 8711-1324-915, 8710-1324-910, 8712-1324-907</td>
</tr>
<tr>
<td>PTS 2-Mode High CVR (Dig)</td>
<td>8711-1336-914, 8711-1336-930, 8711-1336-935, 8711-1336-913, 8711-1336-919, 8711-1336-915, 8710-1336-910, 8712-1336-907</td>
</tr>
<tr>
<td>PTS PED ISU (Dig)</td>
<td>8711-1371-914, 8711-1371-930, 8711-1371-935, 8711-1371-913, 8711-1371-919, 8711-1371-915, 8710-1371-910, 8712-1371-907</td>
</tr>
</tbody>
</table>

To order the PTS Digital in different colors, replace the middle 4 digits with the appropriate part number (See page 13 for the colors available)
Vacuum Regulators with Pre-configured Mounting Options

For Dovetail Rails

**Regulator and Manifold Bracket**

- Regulator with Hand-I-Twist (HIT) DISS adapter, DISS Overflow Safety Trap, Manifold Bracket with one DISS male and two DISS male checks

- PTS Intermittent Suction Unit
  - 8721-1251-908

- PTS Two Mode Continuous Vacuum Regulator
  - 8721-1225-908

- PTS Two Mode NEO Continuous Vacuum Regulator
  - 8721-1231-908 (Analog)
  - 8721-1331-908 (Digital)

- PTS Two Mode PED Continuous Vacuum Regulator
  - 8721-1234-908 (Analog)
  - 8721-1334-908 (Digital)

For Pole Mounting

**Surgical/Free-Flow Regulator and IV Pole Bracket**

- Regulator with two tubing nipples and pole mount bracket

- Surgical/Free-Flow
  - 6710-1246-929

- High Surgical/Free-Flow
  - 6710-1247-929

- High Surgical/Free-Flow Regulator with tubing nipple, locking gland Overflow Safety Trap and pole mount bracket
  - 6710-1247-928
The unique Venturi Backpack Vacuum Regulator is the only Venturi system that delivers high flow, regulated vacuum from a medical air or oxygen gas source through a normal hospital vacuum regulator. This gas-powered system is whisper quiet and provides a high rate of flow while minimizing gas consumption.

As an alternative to electric suction, the Venturi Backpack Vacuum Regulator is ideal for use when limited number of wall vacuum outlets are available.

This state-of-the-art technology provides true regulated suction when using compressed gas for all sensitive clinical applications including: upper airway management, gastric drainage and pleural/chest drainage. Great for portable e-cylinder applications also.

**Venturi Backpack Push-To-Set™ Vacuum Regulator Specifications**

<table>
<thead>
<tr>
<th>Features</th>
<th>Three Mode Continuous (PTS-CVR) with backpack</th>
<th>Three Mode High (PTS-CVR) with backpack</th>
<th>Two Mode Continuous (PTS-CVR) with backpack</th>
<th>Two Mode High (PTS-CVR) with backpack</th>
<th>Two Mode PED (PTS-CVR) with backpack</th>
<th>Two Mode NEO 0-100mmHg (PTS-CVR) with backpack</th>
<th>Intermittent Suction Unit (PTS-ISU) with backpack</th>
<th>Pediatric Intermittent Suction Unit (PTS-ISU) with backpack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode Selection:</td>
<td>On (regulate)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Max (full line)</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Intermittent</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Continuous</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Regulated Vacuum Range</td>
<td>0-760 mmHg Full Vacuum</td>
<td>0-760 mmHg Full Vacuum</td>
<td>0-760 mmHg Vacuum</td>
<td>0-140 mmHg Vacuum</td>
<td>0-760 mmHg Vacuum</td>
<td>0-140 mmHg Vacuum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gauge Range</td>
<td>0-200 mmHg Full vacuum</td>
<td>0-200 mmHg Full Vacuum</td>
<td>0-200 mmHg Vacuum</td>
<td>0-200 mmHg Vacuum</td>
<td>0-200 mmHg Full Vacuum</td>
<td>0-160 mmHg Full Vacuum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gauge Accuracy (Analog)</td>
<td>+/- 5% Full Scale Deflection</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gauge Accuracy (Digital)</td>
<td>+/- 1% of Full Scale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gauge Color Band</td>
<td>Low,Med,High &amp; Full Vacuum</td>
<td>High</td>
<td>Low,Med,High &amp; Full Vacuum</td>
<td>High</td>
<td>Low,Med,High</td>
<td>Low,Med,High &amp; Full</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flow rate</td>
<td>&gt;35 LPM</td>
<td>&gt;35 LPM</td>
<td>&gt;35 LPM</td>
<td>&gt;35 LPM</td>
<td>&gt;30 LPM</td>
<td>&gt;30 LPM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noise Level</td>
<td>&lt;60 dBa with 60 psi supply pressure and open vacuum flow and &lt;50 dBa with 10 LPM vacuum flow</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressed air or medical gas consumption with inlet pressure</td>
<td>30 LPM with 50 psi • 25 LPM with 60 psi pressure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*MR Conditional</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Weight</td>
<td>25 oz.</td>
<td>41 oz.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall Dimensions</td>
<td>7.5&quot;H x 4.3&quot;W x 5.5&quot;D</td>
<td>6.7&quot;H x 4.3&quot;W x 4.9&quot;D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standards</td>
<td>Conforms to ISO 10079-3 and ASTM F960 for all except Two Mode NEO/PED Continuous</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parts Repair Kits</td>
<td>Available</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service Manual</td>
<td>Available</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* MR Conditional (see note on page 3)
Venturi Backpack with Push-To-Set™ Vacuum Regulator

### Ordering Matrix

<table>
<thead>
<tr>
<th>Regulator (Analog)</th>
<th>Air Adapter**</th>
<th>Oxygen Adapter**</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTS 3-Mode Continuous Regulator</td>
<td>2224</td>
<td>3224</td>
</tr>
<tr>
<td>PTS 2-Mode Continuous Regulator</td>
<td>2225</td>
<td>3225</td>
</tr>
<tr>
<td>PTS 3-Mode High Continuous Regulator</td>
<td>2226</td>
<td>3226</td>
</tr>
<tr>
<td>PTS 2-Mode High Continuous Regulator</td>
<td>2330</td>
<td>3330</td>
</tr>
<tr>
<td>PTS 2-Mode NEO Continuous Regulator</td>
<td>2231</td>
<td>3231</td>
</tr>
<tr>
<td>PTS 2-Mode PED Continuous Regulator</td>
<td>2234</td>
<td>3234</td>
</tr>
<tr>
<td>PTS Intermittent Suction Unit</td>
<td>2251</td>
<td>3251</td>
</tr>
<tr>
<td>PTS Pediatric Intermittent Suction Unit</td>
<td>2271</td>
<td>3271</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Regulator (Digital)</th>
<th>Air Adapter**</th>
<th>Oxygen Adapter**</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTS 3-Mode Continuous Regulator</td>
<td>4224</td>
<td>5224</td>
</tr>
<tr>
<td>PTS 2-Mode Continuous Regulator</td>
<td>4224</td>
<td>5225</td>
</tr>
<tr>
<td>PTS 3-Mode High Continuous Regulator</td>
<td>4226</td>
<td>5226</td>
</tr>
<tr>
<td>PTS 2-Mode High Continuous Regulator</td>
<td>4330</td>
<td>5330</td>
</tr>
<tr>
<td>PTS 2-Mode NEO Continuous Regulator</td>
<td>4231</td>
<td>5231</td>
</tr>
<tr>
<td>PTS 2-Mode PED Continuous Regulator</td>
<td>4234</td>
<td>5234</td>
</tr>
<tr>
<td>PTS Intermittent Suction Unit</td>
<td>4251</td>
<td>5251</td>
</tr>
<tr>
<td>PTS Pediatric Intermittent Suction Unit</td>
<td>4271</td>
<td>5271</td>
</tr>
</tbody>
</table>

### Adapter (Gas Source Connection)

<table>
<thead>
<tr>
<th>Fitting (Patient Connection)</th>
<th>No Adapter w/1/8” NPT Female*</th>
<th>Ohio Diamond*</th>
<th>DISS Hand-I-Twist (HIT)*</th>
<th>Chemetron Rectangle Striker (NCG)*</th>
<th>Puritan Bennett*</th>
<th>Adapter Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locking Gland and Overflow Safety Trap*</td>
<td>8700-2224-905</td>
<td>8701-2224-905</td>
<td>8702-2224-905</td>
<td>8705-2224-905</td>
<td>8707-2224-905</td>
<td>Air Oxygen</td>
</tr>
<tr>
<td>DISS Male* &amp; Overflow Safety Trap, DISS Wing Nut &amp; Gland</td>
<td>8700-2224-908</td>
<td>8701-2224-908</td>
<td>8702-2224-908</td>
<td>8705-2224-908</td>
<td>8707-2224-908</td>
<td>Air Oxygen</td>
</tr>
</tbody>
</table>

**To order different model - replace middle 4 digits with above. To order different colors, see page 21.
### Venturi Backpack with Push-To-Set™ Digital Regulator Colors - Ordering Matrix

<table>
<thead>
<tr>
<th>Digital/Description</th>
<th>Yellow</th>
<th>Blue</th>
<th>Pink</th>
<th>Red</th>
<th>Lt. Blue</th>
<th>Purple</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Oxygen</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DPTS 3-Mode Continuous Regulator</td>
<td>4Y24</td>
<td>4B24</td>
<td>4K24</td>
<td>4R24</td>
<td>4L24</td>
<td>4U24</td>
</tr>
<tr>
<td>DPTS 3-Mode High Continuous Regulator</td>
<td>4Y26</td>
<td>4B26</td>
<td>4K26</td>
<td>4R26</td>
<td>4L26</td>
<td>4U26</td>
</tr>
<tr>
<td>DPTS 2-Mode High Continuous Regulator</td>
<td>4Y30</td>
<td>4B30</td>
<td>4K30</td>
<td>4R30</td>
<td>4L30</td>
<td>4U30</td>
</tr>
<tr>
<td>DPTS 2-Mode NEO Continuous Regulator</td>
<td>4Y31</td>
<td>4B31</td>
<td>4K31</td>
<td>4R31</td>
<td>4L31</td>
<td>4U31</td>
</tr>
<tr>
<td>DPTS 2-Mode PED Continuous Regulator</td>
<td>4Y34</td>
<td>4B34</td>
<td>4K34</td>
<td>4R34</td>
<td>4L34</td>
<td>4U34</td>
</tr>
<tr>
<td>DPTS Intermittent Suction Unit</td>
<td>4Y51</td>
<td>4B51</td>
<td>4K51</td>
<td>4R51</td>
<td>4L51</td>
<td>4U51</td>
</tr>
<tr>
<td>DPTS Pediatric Intermittent Suction Unit</td>
<td>4Y71</td>
<td>4B71</td>
<td>4K71</td>
<td>4R71</td>
<td>4L71</td>
<td>4U71</td>
</tr>
<tr>
<td>DPTS 2-Mode High Continuous Regulator</td>
<td>4Y30</td>
<td>4B30</td>
<td>4K30</td>
<td>4R30</td>
<td>4L30</td>
<td>4U30</td>
</tr>
<tr>
<td>DPTS 2-Mode NEO Continuous Regulator</td>
<td>4Y31</td>
<td>4B31</td>
<td>4K31</td>
<td>4R31</td>
<td>4L31</td>
<td>4U31</td>
</tr>
<tr>
<td>DPTS 2-Mode PED Continuous Regulator</td>
<td>4Y34</td>
<td>4B34</td>
<td>4K34</td>
<td>4R34</td>
<td>4L34</td>
<td>4U34</td>
</tr>
<tr>
<td>DPTS Intermittent Suction Unit</td>
<td>4Y51</td>
<td>4B51</td>
<td>4K51</td>
<td>4R51</td>
<td>4L51</td>
<td>4U51</td>
</tr>
<tr>
<td>DPTS Pediatric Intermittent Suction Unit</td>
<td>4Y71</td>
<td>4B71</td>
<td>4K71</td>
<td>4R71</td>
<td>4L71</td>
<td>4U71</td>
</tr>
</tbody>
</table>

* MR Conditional (see note on page 3)

---

Baffle Only
6700-0310-500

Venturi Backpack Ejector Module*
6700-0690-800

---

All products may not be available in all regulatory jurisdictions.
Information/products in this catalog subject to change without notice.
### Venturi Backpack Illustrated Parts and Service Kits

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Manifold</td>
<td>See Manifold Kit</td>
</tr>
<tr>
<td>2. Valve Spool</td>
<td>See Valve Spool Kit</td>
</tr>
<tr>
<td>3. Large Valve O-Ring</td>
<td>See Valve Spool Kit and/or O-Ring Kit</td>
</tr>
<tr>
<td>4. Small Valve O-Ring</td>
<td>See Valve Spool Kit and/or O-Ring Kit</td>
</tr>
<tr>
<td>5. Retaining Ring</td>
<td>6600-1168-400</td>
</tr>
<tr>
<td>6. Relief Valve</td>
<td>6700-0311-500</td>
</tr>
<tr>
<td>7. Relief Valve Screw</td>
<td>6700-0220-400</td>
</tr>
<tr>
<td>8. Inlet Filter</td>
<td>6700-0009-300</td>
</tr>
<tr>
<td>9. Spacer</td>
<td>See Valve Spool Kit</td>
</tr>
<tr>
<td>10. Knob</td>
<td>See Valve Spool Kit</td>
</tr>
<tr>
<td>11. Plug</td>
<td>0413-3510-335</td>
</tr>
<tr>
<td>12. Venturi Pump (2 pack)</td>
<td>6700-0664-850</td>
</tr>
<tr>
<td>13. Adapter O-Ring</td>
<td>See O-Ring Kit</td>
</tr>
<tr>
<td>14. Adapter</td>
<td>6700-0308-500</td>
</tr>
<tr>
<td>15. Muffler 4 Pack</td>
<td>6700-0310-500, 6700-0668-850</td>
</tr>
<tr>
<td>16. Label Kit</td>
<td>6700-0672-850</td>
</tr>
</tbody>
</table>

### Service Kits

<table>
<thead>
<tr>
<th>Service Kits</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve Spool Kit</td>
<td>6700-0665-850</td>
</tr>
<tr>
<td>(Includes spool, large valve o-ring, (2) small valve o-rings, retaining ring, knob, spacer, o-rings, knob &amp; spacer installed)</td>
<td></td>
</tr>
<tr>
<td>O-Ring Kit</td>
<td>6700-0666-850</td>
</tr>
<tr>
<td>(Includes large o-ring (2) small valve o-rings and adapter o-ring)</td>
<td></td>
</tr>
<tr>
<td>Service Mounting Kit - Thoracic</td>
<td>6700-0669-850</td>
</tr>
<tr>
<td>(Includes Thoracic gasket, (2) mounting screws)</td>
<td></td>
</tr>
<tr>
<td>Service Mounting Kit - ISU</td>
<td>6700-0670-850</td>
</tr>
<tr>
<td>(Includes ISU gasket, (4) mounting screws)</td>
<td></td>
</tr>
<tr>
<td>Manifold Kit</td>
<td>6700-0667-850</td>
</tr>
<tr>
<td>(Includes label, manifold and inlet filter)</td>
<td></td>
</tr>
</tbody>
</table>

### Parts not shown

- CVR 1/8 x 1/8 NPT mounting adapter: 6700-0561-800
- Mounting Gasket/Thoracic: 6700-0313-500
- Mounting Gasket/ISU: 6700-0312-500
- Mounting Screws/Thoracic: 6700-0219-400
- Mounting Screws/ISU: 6700-0153-400
**Continuous Vacuum Regulator (ANSI)**

**DESCRIPTION AND APPLICATION**

Ohio Medical Continuous Vacuum Regulators (CVR) provide regulated, continuous suction for tracheal and pharyngeal airway management, surgical procedures, and continuous nasogastric drainage. The Continuous Vacuum Regulator is compact, lightweight and specially designed to be both durable and serviceable. An industry standard, it includes several models and convenient features designed to improve suctioning procedures and enhance clinical practice throughout the hospital. Modular design makes maintenance and repairs both quick and easy.

The Three Mode, Two Mode and Three Mode High Continuous models provide adjustable vacuum from zero to full-line vacuum. Both the Three Mode and Three Mode High units offer a MAX mode which provides unrestricted full-line vacuum for emergencies. The Low model includes a negative pressure limiting valve to limit maximum negative pressure to 140 mmHg. Three specialized gauges are supplied. Both the Three Mode and Two Mode units feature a large 0-200 mmHg range gauge with color-coded low, medium, high and full-vacuum ranges. Each gauge has glow-in-the-dark increments and needle. The gauge for the Low unit is color-coded to indicate its special low range (0-160 mmHg). The High model is also color-coded for high vacuum and reports the full range of available vacuum from 0 -760 mmHg.

For patient safety in case of accidental connection to a positive pressure gas, these regulators are equipped with a positive pressure relief valve.

**FEATURES AND BENEFITS**

- **Compact and Lightweight**
  - Easy to handle
  - Reduces stress on outlet

- **Mode Selector Toggle Switch**
  - Positive action toggle
  - Easy to grasp and use
  - Optional MAX Mode

- **Suction Control Knob**
  - Easy to grasp, adjust and clean
  - Molded one-piece construction

- **Positive Pressure Safety Relief Valve**
  - Vents positive pressure to protect patient and regulator if accidentally connected to pressurized gas (O\(_2\), air, etc.)

- **Modular Components**
  - Simplifies service procedures
  - Low cost replacement parts and kits

- **Strong, Break-Resistant Case**
  - Minimizes cracking, crazing
  - Durable
  - Gas sterilizable

- **Full Ten-Year Parts and Labor Warranty**

- **Pressure limiting valve (Low model) limits level of negative pressure at 140 mmHg.**
Standard Three Mode Continuous
• Modes: I (ON), O (OFF), MAX
• Gauge: Standard (0-200 mmHg - Full Vacuum)
• Color Band: Low, Medium, High & Full Vacuum
• Regulated Vacuum: 0 - Full Vacuum
• Instantaneous MAX Vacuum mode

Standard Two Mode Continuous
• Modes: I (ON), O (OFF)
• Gauge: Standard (0-200 mmHg - Full Vacuum)
• Color Band: Low, Medium, High & Full Vacuum
• Regulated Vacuum: 0 - Full Vacuum

Low Continuous
• Modes: I (ON), O (OFF)
• Gauge: Low Vacuum (0-160 mmHg)
• Color Band: Low, Medium, High
• Regulated Vacuum: 0-140 mmHg
• Safety Relief Valve

High Continuous
• Modes: I (ON), O (OFF), MAX
• Gauge: High Vacuum (0-760 mmHg)
• Color Band: Solid orange
• Regulated Vacuum: 0 - Full Vac
• Instantaneous Full Vacuum Mode
• Recommended for OR/ER use

Ordering Options
• Available in various configurations to include adapters for connection to source vacuum. Also available with options for collection devices and overflow safety protection.

TECHNICAL SPECIFICATIONS

Flow Rate
0-80 Lpm without fittings at full increase

Gauge Accuracy
± 5% Full Scale Deflection

Dimensions
5.7”H x 3.0”W x 3.8”D
(17.8 x 7.62 x 10.16 cm)

Weight
11 oz (0.289 Kg.)

Warranty
Ten years

F.O.B. Point
Gurnee, IL USA

Standards
Confirms to ISO 10079-3 and ASTM F960

* Specifications are nominal, subject to change without notice.

PURCHASING SPECIFICATIONS

Continuous Vacuum Regulator with Standard, Low or High gauge for use with all common suction therapy procedures. Regulator shall provide continuous, regulated suction from a piped vacuum system. Gauge is calibrated in mmHg with glow-in-the-dark increments and needle and is protected with a snap-fit lens. Suction Control Knob is large and unobstructed. Mode Selector Switch has a toggle action for easy, positive selection which shows the selected mode from a distance. Components are modular for ease of replacement. Vacuum regulator is compact, lightweight and made of strong, break-resistant plastic. It shall be equipped with specified adapter, fitting and accessories. Regulator Module and Gauge are interchangeable with Ohio Medical Intermittent Suction Unit (ISU).

ORDERING INFORMATION
See Vacuum Regulator configuration sheet or Suction & Oxygen Therapy Product Catalog for part numbers and configurations.

SHIPPING INFORMATION
Shipping weight
1 lb. 6 oz. (0.62 Kg) less fittings and adapters

Package Size
10.3” H x 7.8” W x 6.8” D
(26 H x 19.6 W x 17 D cm)

Packaging: One per carton

Terms: net 30 days

For more information, contact your Ohio Medical Sales Specialist or authorized agent.
**Intermittent Suction Unit (ANSI)**

**Description and Application**

The Ohio Medical Intermittent Suction Unit (ISU) is a combination continuous and intermittent regulator for use with hospital pipeline vacuum systems. It provides the versatility of an intermittent mode for nasogastric drainage and a continuous mode for tracheal, pharyngeal, or surgical suctioning. In the intermittent mode, the unit uses a pneumatic logic device to alternately turn the suction “ON” and “OFF.” This unique UniLogic Module sets the industry standard for providing a quiet and reliable means of cycling the regulator. The unit is equipped with independent controls to adjust the duration of the “ON” and “OFF” cycles, the level of vacuum, and the rate of flow.

The regulator also provides continuous vacuum, adjustable over the full range of available vacuum, to meet all clinical continuous suction requirements.

The Intermittent Suction Unit is classified as a high vacuum/high flow regulator.

**Features and Benefits**

- **UniLogic Module**
  - Pneumatic
  - Quiet, reliable operation
  - Returns to atmospheric pressure during “OFF” cycle

- **Fully Adjustable**
  - Timing cycles
    - 3 to 30 seconds
    - “ON” and “OFF” independently adjustable
    - Factory preset at 15 seconds on/8 seconds off (begins in the off mode)
  - Flow rates
    - (Intermittent) 0 to 13 L/min, preset at 8 L/min (ASTM)
    - (Continuous) 0 to 80 L/min (not adjustable)

- **Large, Easy to Read Gauge**
  - Color coded ranges
  - 5 mmHg increments
  - Glow-in-the-dark gauge increments and needle
  - Accuracy ± 5% full scale

- **Intermittent Suction Unit (ISU)**
  - 0-200 mmHg

- **Modular Components**
  - Simplifies service procedures
  - Low cost replacement parts and kits

- **Durable Design and Construction**
  - Few mechanical parts
  - Rugged, shatter-resistant case

- **Industry standard for over 25 years**

- **Ten year parts and labor warranty**

- **Ordering Options**
  - Available in various configurations to include adapters for connection to source vacuum. Also available with options for collection devices and overflow safety protection.
**SPECIFICATIONS**

**Flow Rate**
Intermittent – 0-13 L/min (preset at 8 L/min per ASTM)
Continuous – 0-80 L/min (not adjustable) without fittings
at full increase

**Timing**
3 to 30 seconds
Independent on and off
Preset 15 seconds on/8 seconds off
Begins in the "OFF" mode

**Vacuum Range**
0 to full range of available vacuum

**Gauge Range**
0-200 mmHg and full vacuum

**Gauge Accuracy**
±10 mmHg or ±5% Full Scale Deflection

**Dimensions**
6.6" H x 3.5" W x 4.8" D
(16.8 x 8.9 x 12.2 cm)

**Weight**
1 lb 11oz (0.781 Kg)

**Warranty**
Ten Years

**F.O.B. Point**
Gurnee, IL

**Standards**
Conforms to ISO 10079-3 and ASTM F960

* Specifications are nominal, subject to change without notice.

**PURCHASING SPECIFICATIONS**

Intermittent Suction Unit (ISU) with mode selection for intermittent, off and continuous suction. Intermittent mode utilizes a pneumatic logic device to cycle the unit automatically, returning the system to atmosphere in the "OFF" cycle and from 0 to Full vacuum in the "ON" cycle. Timing cycles are adjustable from 3 to 30 seconds. Intermittent flow rate shall be adjustable from 0 to 13 Lpm, preset at 8 Lpm. Both mode selector and vacuum regular controls are lockable. The regulator module and gauge assembly are interchangeable with the Continuous Vacuum Regulator. Gauge face has color coded ranges, glow in the dark needle and increments.

- Dual Modes – intermittent and continuous
- Quiet, reliable operation
- Dependable, time tested gauge and controls
- Provides full vacuum regulation
- Low maintenance, easy to service
- Low cost replacement parts and kits

**ORDERING INFORMATION**

See Vacuum Regulator Configuration Sheet or Suction & Oxygen Therapy Product Catalog for part numbers and configurations.

**SHIPPING INFORMATION**

**Shipping Weight**
2 lbs, 7 oz. (1.1 kg)

**Package Size**
8" H x 3.5" W x 4.7" D
(20.3 x 8.9 x 12 cm)

**Packaging**
One per carton

**Terms**
Net 30 days
DESCRIPTION AND APPLICATION

The Ohio Medical Pediatric Intermittent Suction Unit (PED-ISU) is a medical suction device designed to deliver continuous or intermittent controlled vacuum from a hospital pipeline vacuum system. It provides the versatility of an intermittent mode for nasogastric drainage and a continuous mode for tracheal, pharyngeal, or surgical suctioning. The Pediatric model is designed to prevent vacuum adjustment above a preset vacuum limit level. This device is ideal for neonatal and pediatric patients or sensitive applications where limiting the peak vacuum level is important. The intermittent mode uses a pneumatic logic device to turn the suction “ON” and “OFF” automatically. This unique Unilogic timing module sets the industry standard for quiet, reliable, controlled intermittent suction. The Pediatric model is adjustable from 0-150 mmHg, to meet most low clinical suction requirements. It also contains a positive pressure relief to reduce potential injury to the patient and equipment if momentarily attached to a positive pressure gas source.

The Pediatric Intermittent Suction Unit is a low vacuum/high flow regulator.

FEATURES AND BENEFITS

• Baby Icon indicates Pediatric/Limited Model

• Vacuum Control
  Fully adjustable vacuum level from 0-150 mmHg
  Peak vacuum limit adjustable from 80-150 mmHg, factory preset to 135 mmHg

• Unilogic Timing Module
  Pneumatic, quiet, reliable operation
  Returns to atmospheric pressure during “OFF” cycle
  Timing cycles
    • Independently adjustable 3 to 30 seconds “ON” and “OFF” cycles
    • Factory preset at 15 seconds on/8 seconds off (begins in the off mode)

• Flow Rates
  (Intermittent) 0 to 13 L/min, preset at 8 L/min (ASTM)
  (Continuous) 0 to 80 L/min (not adjustable)

• Large, Easy to Read Gauge
  Color coded ranges
  5 mmHg increments
  Glow-in-the-dark gauge increments and needle
  Accuracy ± 5% full scale

Pediatric Intermittent Suction Unit (PED-ISU)

• Positive pressure and safety relief valve

• Modular Components
  Simplifies service procedures
  Low cost replacement parts and kits

• Durable Design and Construction
  Few mechanical parts
  Rugged, shatter-resistant case

• Ten year parts and labor warranty

• Ordering Options
  Available in various configurations to include adapters for connection to source vacuum. Also available with options for collection devices and overflow safety protection.
<table>
<thead>
<tr>
<th><strong>SPECIFICATIONS</strong>*</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flow Rate</strong></td>
<td></td>
</tr>
<tr>
<td>Intermittent – 0-13 L/min (preset at 8 L/min per ASTM)</td>
<td>Continuous – 0-80 L/min (not adjustable) without fittings at full increase</td>
</tr>
<tr>
<td><strong>Timing</strong></td>
<td></td>
</tr>
<tr>
<td>3 to 30 seconds</td>
<td>Independent on and off</td>
</tr>
<tr>
<td>Preset 15 seconds on/8 seconds off</td>
<td>Begins in the &quot;OFF&quot; mode</td>
</tr>
<tr>
<td><strong>Vacuum Range</strong></td>
<td></td>
</tr>
<tr>
<td>0-150 mmHg</td>
<td></td>
</tr>
<tr>
<td><strong>Gauge Range</strong></td>
<td></td>
</tr>
<tr>
<td>0-160 mmHg</td>
<td></td>
</tr>
<tr>
<td><strong>Gauge Accuracy</strong></td>
<td>±10 mmHg or ±5% Full Scale Deflection</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>6.6&quot; H x 3.5&quot; W x 4.8&quot; D (16.8 x 8.9 x 12.2 cm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>1 lb 12oz (0.793 Kg)</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>Ten Years</td>
</tr>
<tr>
<td><strong>F.O.B. Point</strong></td>
<td>Gurnee, IL</td>
</tr>
<tr>
<td><strong>Standards</strong></td>
<td>Conforms to ASTM F960</td>
</tr>
</tbody>
</table>

* Specifications are nominal, subject to change without notice.

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<thead>
<tr>
<th><strong>PURCHASING SPECIFICATIONS</strong></th>
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</thead>
<tbody>
<tr>
<td>The Pediatric Intermittent Suction Unit has intermittent, off and continuous suction mode selection. The vacuum level is adjustable from 0-150 mmHg with a peak vacuum limit that can be set from 80-150 mmHg (preset at 135 mmHg). Intermittent mode utilizes a pneumatic logic device to cycle the unit automatically, returning the system to atmosphere in the “OFF” cycle and regulated vacuum during the “ON” cycle. Timing cycles are adjustable from 3 to 30 seconds. Intermittent flow rate shall be adjustable from 0 to 13 Lpm, preset at 8 Lpm. The mode selector control knob is lockable. The cover has a baby icon to indicate the Pediatric model. It has a pediatric color coded gauge indicating the low vacuum range with glow-in-the-dark increments and needle. The Pediatric model contains a positive pressure relief to reduce potential injury to the patient and equipment if momentarily attached to a positive pressure gas source.</td>
<td></td>
</tr>
<tr>
<td>• Peak Vacuum Limit</td>
<td>• Dual Modes - intermittent and continuous</td>
</tr>
<tr>
<td>• Quiet, reliable operation</td>
<td>• Provides vacuum regulation from 0-150 mmHg</td>
</tr>
<tr>
<td>• Low maintenance, easy to service</td>
<td>• Low cost replacement parts and kits</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>ORDERING INFORMATION</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>See Vacuum Regulator Configuration Sheet or Suction &amp; Oxygen Therapy Product Catalog for part numbers and configurations.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SHIPPING INFORMATION</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Shipping Weight</strong></td>
<td>2 lbs 8 oz (1.1 Kg) less fittings and adapters</td>
</tr>
<tr>
<td><strong>Package Size</strong></td>
<td>8&quot; H x 3.5&quot; W x 4.7&quot; D (20.3 x 8.9 x 12 cm)</td>
</tr>
<tr>
<td><strong>Packaging</strong></td>
<td>One per carton</td>
</tr>
<tr>
<td><strong>Terms</strong></td>
<td>Net 30 days</td>
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</tbody>
</table>
Surgical/Free-Flow Vacuum Regulator (ANSI)

DESCRIPTION AND APPLICATION

The Ohio Medical™ Surgical/Free-Flow (SFF) Vacuum Regulator is specifically designed to provide high flow rates and minimal maintenance in the Operating Room and anywhere high levels of suction are used. It provides reliable, full-range aspiration for all continuous-flow suction procedures and is equipped with many convenient, easy to use features to facilitate surgical and/or emergency suctioning.

Surgical/Free-Flow’s exclusive straight-through regulating mechanism replaces the complex vacuum circuitry existing in all other regulators. It provides high flows up to 150 L/min and prevents build-up of aerosols and lint that clog other regulators. Optional standard and high vacuum gauges suit this regulator to a wide range of applications.

The high model may also be used as a diagnostic tool to test maximum pressure from wall outlets.

FEATURES AND BENEFITS

- **Straight-through Suction Control**
  Provides unrestricted, high flow rates up to 150 L/min
  Reduces clogging, downtime

- **Full Range Regulation**
  Regulates through full range of available vacuum
  Automatically self-adjusting
  Choice of controlled or wide open suction

- **Large, Easy to Read Gauge**
  Standard and High vacuum gauges
  Glow in the dark increments and needle
  Accuracy +/- 5% full scale

- **Quick Flip ON/OFF Switch**
  Observable “ON” position
  Turns on to preset level
  Turns off with elbow (when scrubbed)

- **Diagnostic Window**
  Direct observation of mechanical workings
  Fast, simple access for cleaning or repairs

- **Large Control Knob**
  Easy to regulate
  Fast response; one turn from OFF to Full Vacuum

- **Durable Design and Construction**
  Few mechanical parts
  Rugged, break-resistant case

- **Ten Year Parts and Labor Warranty**

- **Ordering Options**
  Available in various configurations to include adapter for connection to source vacuum. Also available with options for collection devices and overflow safety protection.
Standard Surgical/Free-Flow
- 0-200 mmHg - Full vacuum gauge
- High flow rates
- Low maintenance, easy to service
- Dependable, time-tested gauge and controls
- Easy-to-read gauge
- Fast response suction control knob
- Quick flip mode control switch

High Surgical/Free-Flow
- 0-760 mmHg - High vacuum gauge
- High flow rates
- Low maintenance, easy to service
- Dependable, time-tested gauge and controls
- Easy-to-read gauge
- Fast response suction control knob
- Quick flip mode control switch

SPECIFICATIONS*

Flow Rate
0-150 Lpm without fittings at full increase

Gauge Accuracy
± 5% Full Scale Deflection

Dimensions
5.7” H x 3.0” W x 3.8” D
(17.8 x 7.62 x 10.16 cm)

Weight
1 lb. 8 oz. (0.680 Kg)

Warranty
Ten Years

SPECIFICATIONS

Flow Rate
0-150 Lpm without fittings at full increase

Gauge Accuracy
± 5% Full Scale Deflection

Dimensions
5.7” H x 3.0” W x 3.8” D
(17.8 x 7.62 x 10.16 cm)

Weight
1 lb. 8 oz. (0.680 Kg)

Warranty
Ten Years

PURCHASING SPECIFICATIONS

Vacuum regulator with color coded Standard (0-200-Full) or High (0-760 mmHg) gauge, each calibrated in mmHg. Regulator provides continuous, regulated suction from a piped vacuum system. Regulating mechanism is physically isolated from the suction flow path (regulating bar and silastic tubing). Unit provides instantaneous ON/OFF positions. Control knob regulates vacuum levels from zero to full line vacuum in one complete turn. Gauge reports vacuum levels from zero to full-line vacuum. Regulators are equipped with specified adapter and/or fitting.

SHIPPING INFORMATION

Shipping Weight
2 lbs 3 oz. (0.9 Kg)

Package Size
10.3” H x 7.8” W x 6.8” D
(26H x 19.6W x 17D cm)

Packaging
One per carton

F.O.B. Point
Gurnee, IL

Parts Configuration

<table>
<thead>
<tr>
<th>Adapter (vacuum source connection)</th>
<th>Fittings (patient connection)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Adapter with 1/8&quot; NPT Female</td>
<td>No Fitting 1/8&quot; NPT Female</td>
</tr>
<tr>
<td>Ohio Diamond</td>
<td>Tubing Nipple</td>
</tr>
<tr>
<td>DISS Hand-I-Twist (HIT)</td>
<td>1/2 Gallon Collection Bottle</td>
</tr>
<tr>
<td>DISS Nut &amp; Gland</td>
<td>Locking Gland</td>
</tr>
<tr>
<td>Schrader</td>
<td>DISS Male</td>
</tr>
<tr>
<td>Chemetron Rectangle Striker (NCG)</td>
<td>DISS Male &amp; Overflow Safety Trap</td>
</tr>
<tr>
<td>Puritan-Bennett</td>
<td>DISS Male &amp; Overflow Safety Trap, DISS Wing Nut &amp; Gland</td>
</tr>
<tr>
<td>O.E.S. Twist</td>
<td>Pole Mount Bracket with Locking Gland &amp; Overflow Safety Trap</td>
</tr>
<tr>
<td>O.E.S. Med Star</td>
<td></td>
</tr>
<tr>
<td>90° Tubing Nipple</td>
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Surgical/Free Flow Vacuum Regulator - Standard Gauge 1246
Surgical/Free Flow Vacuum Regulator - High Gauge 1247