DESCRIPTION AND APPLICATION

The Push-To-Set™ Digital Continuous Vacuum Regulators exceed clinical expectations in medical suction procedures by offering technology breakthroughs plus the quality and simplicity you are accustomed to receiving from Ohio Medical. They feature the unique, patented Push-To-Set™ which provides a reliable, means of setting the regulator for proper suctioning. The PTS-CVR provides regulated, continuous suction for tracheal and pharyngeal airway management, surgical procedures, and continuous nasogastric drainage.

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 models includes a negative pressure limiting valve to limit maximum negative pressure to 135 mmHg for the pediatric model and 100 mmHg for the neonatal model. 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. The gauge for the Low unit is color-coded to indicate its special low range (0-160 mmHg/PED or 0-100 mmHg/NEO). The High model is also color-coded for high vacuum and reports the full range of available vacuum from 0 -760 mmHg.

The PTS-CVR has an ergonomic design that contains two new exclusive safety features that simplify processes, minimize clinical errors and increases product performance. The patented Push-To-Set™ mechanism automatically establishes a vacuum limit with each vacuum level setting. A unique dual-spring regulator module ensures precision in the critical care range (0-200mmHg) while also providing faster adjustment (2 turns) up to full wall vacuum for emergency resuscitation procedures.

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

- EXCLUSIVE! Patented Push-To-Set™
  Improves patient safety
  Prevents unregulated suction
  Simple, one handed operation

- Ultrasonic Manifold
  Best design for hermetic seals

- EXCLUSIVE! Quick-To-Max
  Faster adjustment (2 turns) to full wall vacuum for emergency situations

- Positive Pressure Safety Relief Valve
  Vents positive pressure to protect patient and regulator if accidentally connected to pressurized gas (O₂, air, etc.)

- Large, Easy to Read Digital Gauge
  Unmatched accuracy for greater safety: ±1% of full scale
  Color coded ranges

- Modular Common Components
  Common components reduce service part inventory
  Simplifies service procedures
  Low cost replacement parts and kits

- Durable Design and Construction
  Few mechanical parts
  Rugged, shatter-resistant ABS case
  Corrosion & lubrication-free
  Service-free backplate

- Ordering Options
  Available in various configurations including adapters for connecting to source vacuum and options for collection devices and overflow safety protection.
### 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 Wall 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 Wall Vacuum

### High Two Mode Continuous
- Modes: I (ON), O (OFF)
- Gauge: High Vacuum (0-760 mmHg)
- Regulated Vacuum: 0 - Full Wall Vacuum

### High Three Mode Continuous
- Modes: I (ON), O (OFF), MAX
- Gauge: High Vacuum (0-760 mmHg)
- Regulated Vacuum: 0 - Full Wall Vacuum
- Instantaneous Full Wall Vacuum Mode
- Recommended for OR/ER use

### Low Pediatric Continuous
- Modes: I (ON), O (OFF)
- Gauge: Low Vacuum (0-160 mmHg)
- Color Band: Low, Medium, High
- Regulated Vacuum: 0-135 mmHg
- Backup Safety Relief Valve

### Parts Configuration

<table>
<thead>
<tr>
<th>Adapter (vacuum source connection)</th>
<th>Push-To-Set™ Series</th>
<th>Fittings (patient connection)</th>
<th>Product Identifier Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Adapter with 1/8” NPT Female</td>
<td>87XX - XXXX - 9XX</td>
<td>No Fitting 1/8” NPT Female</td>
<td>3-Mode Continuous</td>
</tr>
<tr>
<td>Diamond</td>
<td></td>
<td>Tubing Nipple</td>
<td>2-Mode Continuous</td>
</tr>
<tr>
<td>DISS Hand-I-Twist (HIT)</td>
<td></td>
<td>Locking Gland</td>
<td>3-Mode High Continuous</td>
</tr>
<tr>
<td>DISS Nut &amp; Gland</td>
<td></td>
<td>Locking Gland &amp; Overflow Safety Trap</td>
<td>2-Mode Continuous</td>
</tr>
<tr>
<td>Schrader®</td>
<td></td>
<td>DISS Male</td>
<td>3-Mode High Continuous</td>
</tr>
<tr>
<td>Chemetron® Rectangle Striker (NCG)</td>
<td></td>
<td>DISS Male &amp; Overflow Safety Trap</td>
<td>2-Mode Neonatal Continuous</td>
</tr>
<tr>
<td>Puritan-Bennett®</td>
<td></td>
<td>Pole Mount Bracket with Locking Gland &amp; Overflow Safety Trap</td>
<td>2-Mode Neonatal Continuous</td>
</tr>
<tr>
<td>O.E.S. Twist</td>
<td></td>
<td>Pole Mount Bracket with Tubing Nipple</td>
<td>2-Mode Neonatal Continuous</td>
</tr>
<tr>
<td>O.E.S. MedStar®</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>90° Tubing Nipple</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Colors
- **Yellow**: 1424, 1264, 1724, 1824, 1924
- **Blue**: 1524, 1624, 1724, 1824, 1924
- **Pink**: 1425, 1525, 1625, 1725, 1825
- **Red**: 1530, 1630, 1730, 1830, 1930
- **Lt. Blue**: 1434, 1534, 1634, 1734, 1834
- **Purple**: 1431, 1531, 1631, 1731, 1831

### Low Neonatal (0-100 mmHg) Continuous
- Modes: I (ON), O (OFF)
- Gauge: Low Vacuum (0-100 mmHg)
- Color Band: Low, Medium, High
- Regulated Vacuum: 0-100 mmHg
- Backup Safety Relief Valve

### TECHNICAL SPECIFICATIONS
- **Flow Rate**: 0-80 Lpm without fittings at full increase
- **Gauge Accuracy**: ± 1% Full Scale
- **Dimensions**: 6.7” H x 2.8” W x 4.8” D (17.02 x 7.1 x 12.19 cm)
- **Weight**: 1 lb 4 oz (0.57 Kg) (less fittings and adapters)
- **F.O.B. Point**: Gurnee, IL USA
- **Standards**: Conforms to ISO 10079-3 and ASTM F960

### SHIPPING INFORMATION
- **Shipping weight**: 1 lb. 11 oz. (0.77 Kg) less fittings and adapters
- **Package Size**: 6.8” H x 10.5” W x 8” D
  (17.27 H x 26.67 W x 20.32 D cm)
- **Packaging**: One per carton

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U.S. Patent #6,623,463 (Push-To-Set™ Vacuum System).

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