

Push-To-Set™ Continuous Vacuum Regulator (ANSI) Adult/Pediatric/Neonatal/C.A.S.S.



DESCRIPTION AND APPLICATION

The Push-To-Set™ Continuous Vacuum Regulators (PTS-CVR's) 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 PED model includes a negative pressure limiting valve to limit maximum negative pressure to 135 mmHg, the NEO model is limited to 100 mmHg and the C.A.S.S. model is limited 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 PED/NEO/C.A.S.S. 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.

The PTS-CVR has an ergonomic design that contains two 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 (0-200mm Hg) 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 Gauge**
Familiar, industry-standard analog design
Color coded ranges
Improved glow-in-the-dark gauge increments and needle
- **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
- **Industry standard for over 45 years**
- **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 - 200 mmHg
- 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 NEO (0-100 mmHg) Continuous

- Modes: I (ON), O (OFF)
- Gauge: Low Vacuum (0-160 mmHg)
- Color Band: Low, Medium, High
- Regulated Vacuum: 0-100 mmHg
- Backup Safety Relief Valve

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

Low C.A.S.S. Continuous

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

High Two Mode Continuous

- Modes: I (ON), O (OFF)
- Gauge: High Vacuum (0-760 mmHg)
- Color Band: Solid orange
- Regulated Vacuum: 0 - Full Vac

High Three Mode 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

TECHNICAL SPECIFICATIONS

Flow Rate: 0-80 Lpm without fittings at full increase

Gauge Accuracy: ± 5% Full Scale Deflection

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

Parts Configuration

87XX - XXXX - 9XX

Push-To-Set™ Series

Adapter (vacuum source connection)

| | |
|--|----|
| No Adapter with 1/8" NPT Female..... | 00 |
| Diamond | 01 |
| DISS Hand-I-Twist (HIT)..... | 02 |
| DISS Nut & Gland..... | 03 |
| Schrader® | 04 |
| Chemetron® Rectangle Striker (NCG) | 05 |
| Puritan Bennett® | 07 |
| O.E.S. Twist..... | 08 |
| O.E.S. Med Star® | 09 |
| 90° Tubing Nipple | 11 |

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 |

Product Identifier Number

| | |
|-----------------------------------|------|
| 3-Mode Continuous | 1224 |
| 2-Mode Continuous | 1225 |
| 3-Mode High Continuous | 1226 |
| 2-Mode High Continuous..... | 1330 |
| 2-Mode Pediatric Continuous | 1234 |
| 2-Mode Neonatal Continuous..... | 1231 |
| 2-Mode C.A.S.S. Continuous | 1227 |

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