

## Push-To-Set™ Continuous Vacuum Regulator (ISO/CE) Adult/Pediatric/Neonatal

### 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's products. They feature the unique, patented Push-To-Set™ which provides a reliable, means of setting the regulator for safe suctioning. PTS-CVR's provide regulated, continuous suction for tracheal and pharyngeal airway management, surgical procedures, and continuous nasogastric drainage.

The 3-Mode and 2-Mode High Continuous models provide adjustable vacuum from zero to full available wall vacuum. The 3-Mode High unit offers a MAX mode which provides unregulated, unrestricted full available wall vacuum with the flip of a switch for aspiration emergencies. The two low-vacuum models, NEO and PED, include a negative pressure limit to restrict maximum negative pressure or vacuum to 13.3 or 18.0 kPa (100 or 135 mmHg) respectively.

Two specialized gauges are available. The High Continuous units feature a large, 5.7 cm 0-101.3 kPa (0-760 mmHg) glow-in-the-dark gauge with both kPa and mmHg scales. The gauge for the NEO and PED Continuous units features a low range to match their limited vacuum range, reading from 0 to 21.3 kPa (0-160 mmHg) with color-coded low (green), medium (yellow) and high (orange) ranges. This gauge serves for both the NEO (to 13.3 kPa or 100 mmHg) and PED (to 18.0 kPa or 135 mmHg) ranges of available vacuum.

The PTS-CVR's have an ergonomic design that contains two exclusive safety features that simplify processes, minimize clinical errors and increase product performance. The patented Push-To-Set™ mechanism automatically establishes a vacuum limit with each vacuum level setting or change. A unique dual-spring regulator module ensures precision in the critical care range (0-26.7 kPa/0-200mm Hg) while also providing unusually fast adjustment (2 turns) up to full available 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  
Reduces Infection Risk  
Simple, one handed operation
- **EXCLUSIVE!** Quick-To-Max  
Faster adjustment (2 turns) to full available wall vacuum for emergency resuscitation
- **Large, Easy to Read Gauge**  
Familiar, industry-standard analog design  
Color coded ranges  
Improved glow-in-the-dark gauge increments and needle



2-Mode High



3-Mode High



2-Mode NEO  
0-13 kPa  
(0-100 mmHg)



2-Mode PED  
0-18 kPa  
(0-135 mmHg)

- **Modular Common Components**  
Common components reduces 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**
- **CE marked**
- **Three year parts and labor warranty**
- **Positive Pressure Safety Relief Valve**  
Vents positive pressure to protect patient and regulator if accidentally connected to pressurized gas (O2, air, etc.)
- **Sealed Manifold Backplate**  
Best design for hermetic seals
- **Ordering Options**  
Available in various configurations including adapters for connecting to source vacuum and with options for collection devices and overflow safety protection.

**High Three Mode Continuous**

- Modes: I (ON), O (OFF), MAX
- Gauge: High Vacuum 0-101.3 kPa/0-760 mmHg
- Color Band: Solid Gold
- Regulated Vacuum: 0 - Full Available Wall Vacuum
- Instantaneous Full Vacuum Mode

**High Two Mode Continuous**

- Modes: I (ON), O (OFF)
- Gauge: High Vacuum 0-101.3 kPa/0-760 mmHg
- Color Band: Solid Gold
- Regulated Vacuum: 0 - Full Available Wall Vacuum

**Low NEO Two Mode (0-13.3 kPa) Continuous**

- Modes: I (ON), O (OFF)
- Gauge: Low Vacuum 0-21.3 kPa/0-160 mmHg
- Color Band: Low(green), Medium(yellow), High(orange)
- Regulated Vacuum: 0-13.3 kPa/0-100 mmHg
- Backup Safety Relief Valve

**Low PED Two Mode Continuous**

- Modes: I (ON), O (OFF)
- Gauge: Low Vacuum 0-21.3 kPa/0-160 mmHg
- Color Band: Low(green), Medium(yellow), High(orange)
- Regulated Vacuum: 0-18.0 kPa/0-135 mmHg
- Backup Safety Relief Valve

**TECHNICAL SPECIFICATIONS**

**Flow Rate**

0-80 Lpm without fittings at full increase

**Gauge Accuracy**

± 5% Full Scale Deflection or ± 1.3 kPa (10 mmHg)

**Dimensions**

17.02 x 7.1 x 12.19 cm (6.7"H x 2.8"W x 4.8"D)

**Weight**

0.57 Kg. (1 lb 4 oz) (less fittings and adapters)

**Standards**

Confirms to ISO 10079-3 and ASTM F960

\* Specifications are nominal, subject to change without notice.

**SHIPPING INFORMATION**

**Shipping weight**

0.77 Kg (1 lb. 11 oz.) 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

For more information, contact your Ohio Medical Sales Specialist or authorized agent



**Part Configurator**

**87XX - XXXX - 9XX**

**Push-To-Set™ Series**

**Adapter (vacuum source connection)**

No Adapter with 1/8" NPT Female.....	00
British Std (BOC Type).....	31
German Std (DIN Type).....	32
French Std (AFNOR Type).....	33
Nordic Std (AGA Type).....	34

**Fittings (patient connection)**

No Fitting 1/8" NPT Female.....	00
Tubing Nipple.....	01
Locking Gland.....	04
Locking Gland & Overflow Safety Trap.....	05
Locking Gland, Overflow Safety Trap and 1300 ml Plastic Bottle with Wall Slide, Tubing.....	06

**Product identifier Number**

2-Mode High.....	1230
3-Mode High.....	1229
2-Mode PED.....	1235
2-Mode NEO.....	1232

© 2017 Ohio Medical LLC.

This document contains information that is proprietary and confidential to Ohio Medical LLC. Use of this information is under license from Ohio Medical LLC. Any use other than that authorized by Ohio Medical LLC is prohibited.



Ohio Medical and the Ohio Medical logo are registered trademarks and Push-To-Set is a trademark of Ohio Medical LLC. U.S. Patent #6,623,463 (Push-To-Set™ Vacuum System)

**Ohio Medical Authorized Representative**

