

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

DESCRIPTION AND APPLICATION

The Push-To-Set™ Digital 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.

Three specialized gauges are available. The High Continuous units feature a large, 5.7 cm 0-100 kPa (0-760 mmHg) glow-in-the-dark gauge with both kPa and mmHg scales. The gauge for the PED Continuous unit features a low range, reading from 0 to 21.3 kPa (0-160 mmHg) with color-coded low (green), medium (yellow) and high (orange) ranges. The gauge for the NEO Continuous unit features a low range, reading from 0 to 13.3 kPa (0-100 mmHg) with color-coded low (green), medium (yellow) and high (orange) ranges.

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 Digital Gauge**
Unmatched accuracy for greater safety: $\pm 1\%$ of Full Scale
Color coded ranges



2-Mode High



3-Mode High



2-Mode NEO
0-13.3 kPa
(0-100 mmHg)



2-Mode PED
0-18.0 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

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

NEO Two Mode (0-13.3 kPa) Continuous

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

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

Flowrate

0-80 L/min without fittings at full increase

Digital Gauge Accuracy

± 1% Full Scale

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

87 XX - XXXX - 9 XX

PUSH-TO-SET™ SERIES

WALL CONNECTION	
No Adapter with 1/8" NPT Female	00
British BOC	31
German DIN	32
French AFNOR	33
Scandinavian AGA	34

	DIGITAL PTS-CVR REGULATOR						
	Off-White	Yellow	Blue	Pink	Red	Light Blue	Purple
Three Mode High	1329	1429	1529	1629	1729	1829	1929
Two Mode High	1337	1437	1537	1637	1737	1837	1937
Two Mode Pediatric	1335	1435	1535	1635	1735	1835	1935
Two Mode Neonatal	1332	1432	1532	1632	1732	1832	1932

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



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