

# Push-To-Set™ Pediatric/Neonatal Intermittent Suction Unit, Digital and Analog (ANSI)

## DESCRIPTION AND APPLICATION

The Ohio Medical® Pediatric and Neonatal Push-To-Set™ Digital Intermittent Suction Unit 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 procedures. The Pediatric and Neonatal model is designed to prevent vacuum adjustment above a preset vacuum limit level that may be unsafe. 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 0-135 mmHg and the neonatal model is adjustable from 0-100 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 and Neonatal Push-To-Set™ Intermittent Suction Units are a low vacuum/high flow regulator.

## FEATURES AND BENEFITS

- EXCLUSIVE! Patented Push-To-Set™**  
 Improves patient safety  
 May prevent inadvertent unregulated suction  
 Simple, one handed operation
- Baby Icon indicates Pediatric or Neonatal Limited Model**
- Negative Pressure Relief Valve**  
 Pediatric model is factory preset to 135 mmHg  
 Neonatal model is factory preset to 100 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 (± 3 seconds)  
 Begins in the “ON” mode
- Flow Rates**  
 (Intermittent) Preset at 8 L/min (ASTM)  
 (Continuous) 0 to 80 L/min (without fittings at full increase)
- Large, Easy to Read Gauge**  
 Color coded ranges: Low(green), Medium(yellow), High(orange)  
 Analog: Familiar, industry-standard analog design  
 Digital: Unmatched accuracy for greater safety: ± 1% of full scale
- Safety Features**  
 Push-to-Set™ automatic occlusion design  
 Positive pressure safety relief valve



Push-To-Set™ Pediatric Digital Intermittent Suction Unit



Push-To-Set™ Neonatal Digital Intermittent Suction Unit



Push-To-Set™ Pediatric Analog Intermittent Suction Unit



Push-To-Set™ Neonatal Analog Intermittent Suction Unit

- Modular 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 case  
 Corrosion & Lubrication Free  
 Service-free backplate
- Ordering Options**  
 Available in various configurations including adapters for connection to source vacuum. Also available with options for collection devices and overflow safety protection.

**TECHNICAL 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**

Easily adjustable silent ON/OFF  
 Factory settings, Intermittent Timing: 15 seconds ON/8 seconds  
 OFF (±3 seconds)  
 Begins in the "ON" mode

**Vacuum Range:** 0-135 mmHg (Pediatric)  
 0-100 mmHg (Neonatal)

**Gauge Range:** **Analog:** 0-160 mmHg (Pediatric & Neonatal)  
**Digital:** 0-160 mmHg (Pediatric)  
 0-100 mmHg (Neonatal)

**Gauge Accuracy**

**Digital:** 1.6 mmHg or ± 1% full scale deflection (Pediatric)  
 1.0 mmHg or ± 1% full scale deflection (Neonatal)  
**Analog:** ± 8 mmHg or ± 5% full scale deflection

**Gauge Display:**

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

**Dimensions:** 16.5 x 7.1 x 12.2 cm  
 (6.5" H X 2.8" W X 4.8" D)

**Weight:** 1 lb 4oz (0.57 kg) less fittings and adapters

**Battery:** Primary Lithium: 2/3AA, 3.6V, 1.6 Ah

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

**Applied Standard:** ASTM F960

\* Specifications are nominal, subject to change without notice. Please see "Instructions for Use" manual for the most current regulated vacuum ranges.

**SHIPPING INFORMATION**

**Shipping Weight:** 0.77 Kg (1 lb 11 oz) less fittings and adapters

**Package Size:** 16.5 x 26.67 x 20.32 cm  
 (6.5" H x 10.5" W x 8" D )

**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  
 Chemetron Rectangle Striker (NCG)..... 05

**Fittings (patient connection)**

No Fitting 1/8" NPT Female.....00  
 Tubbing Nipple .....01  
 Locking Gland.....04  
 Locking Gland & Overflow Safety Trap.....05  
 DISS Male .....07  
 DISS Male & Overflow Safety Trap, DISS Wing Nut & Gland.....08

**Push-To-Set™ Analog Intermittent Suction Unit**

**Pediatric Analog**

1271	Off-White*	R271	Red
Y271	Yellow	L271	Lt. Blue
B271	Blue	U271	Purple
K271	Pink		

**Neonatal Analog**

1371	Off-White*	1771	Red
1471	Yellow	1871	Lt. Blue
1571	Blue	1971	Purple
1671	Pink		

\*Standard Color

**Push-To-Set™ Digital Intermittent Suction Unit**

**Pediatric Digital**

1279	Off-White*	R279	Red
Y279	Yellow	L279	Lt. Blue
B279	Blue	U279	Purple
K279	Pink		

**Neonatal Digital**

1372	Off-White*	1772	Red
1472	Yellow	1872	Lt. Blue
1572	Blue	1972	Purple
1672	Pink		

\*Standard Color

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



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