

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, surgical suctioning or C.A.S.S. 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 (8700-1371-900)



Push-To-Set™ Neonatal Digital Intermittent Suction Unit (8700-1372-900)



Push-To-Set™ Pediatric Analog Intermittent Suction Unit (8700-1271-900)



Push-To-Set™ Neonatal Analog Intermittent Suction Unit (8700-1279-900)

- **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 eady 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 Nipple01
 Locking Gland.....04
 Locking Gland & Overflow Safety Trap.....05
 DISS Male07
 DISS Male & Overflow Safety Trap, DISS Wing Nut & Gland08

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)