

# Thoracic Vacuum Regulator (ISO)

## DESCRIPTION AND APPLICATION

The Ohio Medical® Thoracic Vacuum Regulator brings precision and safety to your pleural, mediastinal and other low suction applications. It is designed to maintain accurate and stable negative pressures at low levels of suction while maximizing flow rates. It compensates for positive pressure in the patient line (e.g. patient coughing) with a positive pressure relief valve which immediately opens to vent the pressure. The Thoracic vacuum regulator also provides high flow response to air leaks in the lung. It adds convenience, flexibility, and reliability to disposable or reusable chest drainage systems, and can add cost savings when used in conjunction with disposables. The regulator must be used with an underwater seal and collection bottle (disposable or reusable). It is a silent alternative to noisy bubbling water manometers.

The Thoracic Vacuum Regulator is available with probes for virtually all pipeline systems and is offered with a standard tubing nipple.

## FEATURES AND BENEFITS

- **Automatically compensates for vacuum fluctuations** at the catheter (e.g., air leaks) or wall outlet.
- **Large, precision gauge** with color coded needle to indicate low vacuum.
- **Fine-tuning suction control knob** moves slowly and precisely, taking 5 full turns to span the entire gauge range.
- **Negative pressure may be increased or decreased quickly** and easily without the use of water, funnels, or syringes.
- **Positive pressure relief valve** vents positive pleural pressure or accidental positive pressure away from the patient and system.
- **Separate toggle ON/OFF** switch retains previous settings.
- **Extended range** provides higher negative pressures required for multiple chest tubes and other applications.
- **Pressure limiting valve** prevents negative pressure from exceeding 55 cm H<sub>2</sub>O (5.4 kPa).
- **Delivers high flow rates** at least 40 L/min at full



**Thoracic Vacuum Regulator**

- 0-65 cm H<sub>2</sub>O
- 0-6 kPa

increase dependent upon supply vacuum and setup.

- **Silent vacuum control** eliminates bubbling noise of water manometers.
- **Full Three Year Parts and Labor Warranty**
- **CE marked**
- **Ordering Options**  
Available in various configurations to include Probes for connection to source vacuum. Also available with options for collection devices and overflow safety protection.

## SPECIFICATIONS\*

### Flow Rate

0-40 L/min at full increase

### Gauge Accuracy

± 3 cm H<sub>2</sub>O

### Dimensions

18.29 x 8.9 x 10.92 cm  
(7.2" x 3.5" x 4.3")

### Weight

0.539 Kg (19 oz) (less fittings)

### Warranty

Three Years

### Applied Standard

ISO 10079-3

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

## PURCHASING SPECIFICATIONS

Thoracic Vacuum Regulator with color coded gauge marked in 1 cm H<sub>2</sub>O increments. Regulator provides continuous, regulated suction from a piped vacuum system. Regulator can be used in conjunction with disposable or reusable chest drainage systems. Adjustable, pressure limiting valve prevents pressures from exceeding set level. Positive pressure relief valve vents positive pleural pressures or accidental pressures in excess of 10 cm H<sub>2</sub>O (1.0 kPa) away from patient system. Separate on/off switch conserves vacuum, allows retention of previous setting.

## SHIPPING INFORMATION

### Shipping Weight

0.71 Kg (1 lb 9 oz) less fittings and adapters

### Package Size

26.16 H x 19.8 W x 17.27 D cm  
(10.3" H x 7.8" W x 6.8" D)

### Packaging

One per carton

## PARTS CONFIGURATION

# 67XX - XXXX - 9XX

ADAPTER/PROBE VACUUM SOURCE CONNECTION		THORACIC VACUUM REGULATOR		FITTINGS PATIENT CONNECTION	
No Adapter with 1/8" FNPT	00	English EN	1276	No Adapter with 1/8" FNPT	00
British BOC	31	German DE	1323	Tubing Nipple	01
German DIN	32	Dutch DU	1385	Locking Gland & Overflow Safety Trap	05
French AFNOR	33	Spanish ES	1278		
Scandinavian AGA	34	French FR	1277		
Australian SIS	35	Greek GR	1384		
Japanese	14	Italian IT	1380		
		Japanese JP	1382		
		Portuguese PT	1386		
		Russian RU	1383		
		Swedish SV	1381		

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