

# V43 MediFlo® Valve

## Description:

Capable of dispensing liquids, gases or powders at controlled dosages, the MediFlo® elastomeric valve is ideally suited for medical applications that require effective drip-proof, bi-directional or one-way flow control with few components or moving parts. This valve replaces multi-component ball and spring or other complex check valves & flow control valves.

## Valve Characteristics:

- **Outside Diameter:** .497" (12.62 mm)
- **Material:** Silicone
- **Valve type:** V style, rolling sleeve
- **Opening pressure:** High  
(low = 1"-16" (0-.58 PSI), medium = 17"-26" (.6 - .94 PSI) and high = 27" + (1+ PSI)
- **Unique Properties:** Compatible with a variety of viscosities and available in many durometers
- **Applications:** Antibacterial cleansing solutions, fluid filtration, purification systems filtration devices, wound drainage, renal & pulmonary devices, enteral feeding devices and many new applications under confidential development with customers

## Related Documents:

- **Engineering drawing:** XCB-3741 (+REV)
- **Customer drawing:** (+REV)
- **LMS project number:** 03-036

## Valve Performance by Slit Size

SLIT SIZE Inches / mm	OPEN (H <sub>2</sub> O Column Height) inches / mm / PSI	CLOSE (H <sub>2</sub> O Column Height) Inches / mm / PSI	Constant Flow (@ 30" of H <sub>2</sub> O) ml / sec
.160 / 4.064	32 / 813 / 1.15	18 / 457 / .65	5.4
.220 / 5.588	32 / 813 / 1.15	13 / 330 / .45	8.3
.250 / 6.350	33 / 838 / 1.19	10 / 254 / .36	10.7

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