

# V34 *MediFlo*<sup>®</sup> Valve

## Description:

Capable of dispensing liquids, gases or powders at controlled dosages, the MediFlo<sup>®</sup> 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:** .500" (12.7 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:** ECA-3547 (+REV)
- **Customer drawing:** CBA-3547 (+REV)
- **LMS project number:** 01-012

## 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
.070 / 1.778	38 / 965 / 1.37	25 / 635 / .90	1.1
.160 / 4.064	37 / 940 / 1.33	17 / 432 / .61	13.0
.220 / 5.588	37 / 940 / 1.33	10 / 254 / .36	22.4
.250 / 6.350	37 / 940 / 1.33	7 / 178 / .25	23.7

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