

# V53 *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:** .634" (16.1 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-3982 (+REV)
- **Customer drawing:** CBA-3982 (+REV)
- **LMS project number:** 03-067

## Valve Performance by Slit Size

| SLIT SIZE<br>inches / mm | OPEN<br>(H <sub>2</sub> O Column Height)<br>inches / mm / PSI | CLOSE<br>(H <sub>2</sub> O Column Height)<br>Inches / mm / PSI | Constant Flow<br>(@ 30" of H <sub>2</sub> O)<br>ml / sec |
|--------------------------|---|--|--|
| .320 / 8.128             | 60 / 1524 / 2.16  | 47 / 1194 / 1.70   | --   |

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