

V1 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:** .634" (16.1 mm)
- **Material:** Silicone
- **Valve type:** V style, rolling sleeve
- **Opening pressure:** Medium
(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-3591 (+REV)
- **Customer drawing:** CBA-3591 (+REV)
- **LMS project number:** 01-106

Valve Performance by Slit Size

SLIT SIZE inches / mm	OPEN (H ₂ O Column Height) inches / mm / PSI	CLOSE (H ₂ O Column Height) Inches / mm / PSI	Constant Flow (@ 30" of H ₂ O) ml / sec
.070 / 1.778	29 / 737 / 1.05	26 / 660 / .94	0.2
.130 / 3.302	23 / 584 / .83	16 / 406 / .56	4.3
.160 / 4.064	23 / 584 / .83	15 / 381 / .54	7.4
.187 / 4.750	23 / 584 / .83	14 / 356 / .50	10.0
.220 / 5.588	23 / 584 / .83	13 / 330 / .45	12.9
.250 / 6.350	23 / 584 / .83	10 / 254 / .36	16.4
.280 / 7.112	23 / 584 / .83	9 / 229 / .32	19.8
.320 / 8.128	22 / 559 / .79	6 / 152 / .22	26.5

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