

R1 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:** R 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-4240 (+REV)
- **Customer drawing:** CBA-4240 (+REV)
- **LMS project number:** 01-125

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	Constant Flow (@ 40" of H ₂ O) ml / sec
.070 / 1.778	68 / 1727 / 2.45	63 / 1600 / 2.27	N/A	-
.130 / 3.302	37 / 940 / 1.33	27 / 686 / .97	N/A	-
.187 / 4.750	31 / 787 / 1.12	8 / 203 / .29	N/A	2.5
.220 / 5.588	30 / 762 / 1.08	7 / 178 / .25	N/A	4.2
.250 / 6.350	28 / 711 / 1.01	7 / 178 / .25	4.2	-
.280 / 7.112	27 / 686 / .97	5 / 127 / .18	4.9	-
.320 / 8.128	26 / 660 / .94	4 / 102 / .14	6.7	-

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