

V50(R13R) SimpliSqueeze® Valve

Description:

Capable of dispensing liquids, gases or powders at controlled dosages, the SimpliSqueeze® elastomeric valve is ideally suited for packaging 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:** .700" (17.78 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** Stronger Valve that Moderately Resists Opening, Better for Bottom Dispense
- **Applications** Capable of dispensing a wide variety of products of various viscosities.

Related Documents:

- **Engineering drawing:** ECA-2811 (+REV)
- **Customer drawing:** CBA-2811 (+REV)
- **Project number:** 01-139

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 (@ 40" of H ₂ O) ml / sec
.130 / 3.302	31 / 787 / 1.12	24 / 610 / .87	1.6
.160 / 4.064	30 / 762 / 1.08	22 / 559 / .79	4.5
.187 / 4.750	29 / 737 / 1.05	21 / 533 / .76	6.2
.220 / 5.588	29 / 737 / 1.05	19 / 483 / .69	9.0
.250 / 6.350	31 / 787 / 1.12	17 / 432 / .61	11.5
.300 / 7.620	32 / 813 / 1.15	13 / 330 / .45	15.9

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