

V² 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:** .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:** High flow with an easy feeling dispense and easy venting. Better for smaller bottles (2-16 oz).
- **Applications:** This valve is best suited for top dispensing of thin to medium/thin products like still beverages, thin sauces, and baby powder.

Related Documents:

- **Engineering drawing:** ECA-3570 (+REV)
- **Customer drawing:** CBA-3570 (+REV)
- **Project number:** 01-107

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	18 / 457 / .65	10 / 254 / .36	2.5
.130 / 3.302	17 / 432 / .61	9 / 229 / .32	10.1
.160 / 4.064	17 / 432 / .61	9 / 229 / .32	15.0
.187 / 4.750	17 / 432 / .61	8 / 203 / .29	18.9
.220 / 5.588	17 / 432 / .61	7 / 178 / .25	23.7
.250 / 6.350	17 / 432 / .61	7 / 178 / .25	29.0
.280 / 7.112	17 / 432 / .61	5 / 127 / .18	36.7
.320 / 8.128	17 / 432 / .61	4 / 102 / .14	47.1

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