

V8 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:** .500" (12.7 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:** Small size.
- **Applications:** This valve is best suited for thin to medium products like still beverages, shampoo, body wash, lotions, sauces, condiments and powders.

Related Documents:

- **Engineering drawing:** ECA-3546 (+REV)
- **Customer drawing:** CBA-3546 (+REV)
- **Project number:** 01-112

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	17 / 432 / .61	12 / 305 / .43	1.4
.160 / 4.064	17 / 432 / .61	10 / 254 / .36	9.0
.220 / 5.588	17 / 432 / .61	7 / 178 / .25	15.5
.250 / 6.350	17 / 432 / .61	6 / 152 / .22	18.2

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