

V5 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:** Easy feeling dispense. Fast opening and closing.
- **Applications:** This valve is best suited for Medium products like shampoo and body wash. The aggressive flow does not lend itself to food applications.

Related Documents:

- **Engineering drawing:** ECA-3967 (+REV)
- **Customer drawing:** CBA-3967 (+REV)
- **Project number:** 01-109

Valve Performance by Slit Size

SLIT SIZE inches / m m	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	20 / 508 / .72	11 / 279 / .40	2.2
.160 / 4.064	20 / 508 / .72	9 / 229 / .32	14.2
.187 / 4.750	21 / 533 / .76	9 / 229 / .32	17.4
.220 / 5.588	20 / 508 / .72	7 / 178 / .25	20.7
.250 / 6.350	20 / 508 / .72	6 / 152 / .22	24.1
.280 / 7.112	20 / 508 / .72	4 / 102 / .14	29.3
.320 / 8.128	20 / 508 / .72	2 / 51 / .07	35.4

UNCONTROLLED, SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

