

V25 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:** .375" (9.53 mm)
- **Material:** Silicone
- **Valve type:** V style, rolling sleeve
- **Opening pressure:** Medium / High
(low = 1"-16" (0-.58 PSI), medium = 17"-26" (.6 - .94 PSI) and high = 27" + (1 + PSI))
- **Unique Properties:** Good product cut-off. Small size.
- **Applications:** This valve is best suited for medium to thick products like shampoo, body wash, lotions, sauces and condiments.

Related Documents:

- **Engineering drawing:** ECA-3545 (+REV)
- **Customer drawing:** CBA-3545 (+REV)
- **Project number:** 02-087

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	VENT BACK (H ₂ O Column Height) inches / mm / PSI	Constant Flow (@ 30" of H ₂ O) ml / sec
.070 / 1.778	26 / 660 / .94	19 / 483 / .69	8 / 203 / .29	2
.100 / 2.540	26 / 660 / .94	17 / 432 / .61	7 / 178 / .25	6
.145 / 3.683	26 / 660 / .94	15 / 381 / .54	6 / 152 / .22	9
.187 / 4.750	26 / 660 / .94	10 / 254 / .36	4 / 102 / .14	16
.200 / 5.080	26 / 660 / .94	10 / 254 / .36	3 / 76 / .11	16
.200-3 / 5.080	26 / 660 / .94	9 / 229 / .32	3 / 76 / .11	17

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