

V³ 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:** Good cut-off for thicker product.
- **Applications:** This valve is best suited for medium to thick products like syrup and thicker sauces where good cut-off is required.

- **Related Documents:**
 - **Engineering drawing:** ECA-3670 (+REV)
 - **Customer drawing:** CBA-3670 (+REV)
 - **Project number:** 01-108

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	26 / 660 / .94	19 / 483 / .69	1.2
.130 / 3.302	25 / 635 / .90	17 / 432 / .61	7.5
.160 / 4.064	25 / 635 / .90	16 / 406 / .56	10.8
.187 / 4.750	25 / 635 / .90	15 / 381 / .54	13.4
.220 / 5.588	25 / 635 / .90	14 / 356 / .50	16.1
.250 / 6.350	25 / 635 / .90	12 / 305 / .43	19.1
.280 / 7.112	25 / 635 / .90	10 / 254 / .36	23.4
.320 / 8.128	24 / 610 / .87	7 / 178 / .25	26.4

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