

# V7 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:** High  
(low = 1"-16" (0-.58 PSI), medium = 17"-26" (.6 - .94 PSI) and high = 27" + (1 + PSI))
- **Unique Properties:** Easy feeling dispense with high flow.
- **Applications:** This valve was designed for top dispensing of still beverages and is best suited for thin to Medium products. This valve is very aggressive (snaps open and closed very quickly) with a low closing height.

## Related Documents:

- **Engineering drawing:** ECA-2187 (+REV)
- **Customer drawing:** CBA-2187 (+REV)
- **Project number:** 01-111

## Valve Performance by Slit Size

SLIT SIZE inches / mm	OPEN (H <sub>2</sub> O Column Height) inches / mm / PSI	CLOSE (H <sub>2</sub> O Column Height) inches / mm / PSI	Constant Flow (@ 30" of H <sub>2</sub> O) ml / sec
.130 / 3.302	25 / 635 / .90	12 / 305 / .43	10.1
.187 / 4.750	25 / 635 / .90	9 / 229 / .32	18.1
.220 / 5.588	25 / 635 / .90	7 / 178 / .25	23.2
.250 / 6.350	25 / 635 / .90	4 / 102 / .14	29.8
.280 / 7.112	25 / 635 / .90	1 / 25 / .04	33.9

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