

# V21 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  
(low = 1"-16" (0-.58 PSI), medium = 17"-26" (.6 - .94 PSI) and high = 27" + (1 + PSI))
- **Unique Properties:** Easy feeling dispense. Small size.
- **Applications:** This valve is best suited for thin to medium products like shampoo, body wash, lotions, sauces and condiments.

## Related Documents:

- **Engineering drawing:** ECA-3579(+REV)
- **Customer drawing:** CBA-3579(+REV)
- **Project number:** 99-180

## 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	VENT BACK (H <sub>2</sub> O Column Height) Inches / mm of H <sub>2</sub> O	CONSTANT FLOW (@ 30" of H <sub>2</sub> O) ml / sec
.070 / 1.778	19 / 483 / .69	12 / 305 / .43	5 / 127	3
.100 / 2.540	19 / 483 / .69	11 / 279 / .40	4 / 102	6
.145 / 3.683	19 / 483 / .69	10 / 254 / .36	3 / 76	10
.187 / 4.750	19 / 483 / .69	9 / 229 / .32	3 / 76	13
.200 / 5.080	19 / 483 / .69	8 / 203 / .29	2 / 51	15
.200-3 / 5.080	19 / 483 / .69	6 / 152 / .22	3 / 76	17
.200-SF / 5.080	19 / 483 / .69	7 / 178 / .25	tbd	20

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