

# V52(R13U) 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:** .700" (17.78 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:** High flow with an easy feeling dispense and easy venting. Better for smaller bottles (2 – 16 oz)
- **Applications:** This valve is best suited for thin to medium products like shampoo, body wash, lotions, sauces and condiments.

## Related Documents:

- **Engineering drawing:** ECA-2812 (+REV)
- **Customer drawing:** CBA-2812 (+REV)
- **Project number:** 01-140

## 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	20 / 508 / .72	13 / 330 / .45	3.7
.160 / 4.064	19 / 483 / .69	12 / 305 / .43	6.8
.187 / 4.750	19 / 483 / .69	10 / 254 / .36	9.3
.220 / 5.588	20 / 508 / .72	9 / 229 / .32	10.8
.250 / 6.350	22 / 559 / .79	8 / 203 / .29	13.2
.300 / 7.620	21 / 533 / .76	6 / 152 / .22	13.0

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