

# V54 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:** 1.000" (25.4 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:** Compatible with a variety of viscosities and available in many durometers
- **Applications:** Antibacterial cleansing solutions, fluid filtration, purification systems filtration devices, wound drainage, renal & pulmonary devices, enteral feeding devices and many new applications under confidential development with customers

## Related Documents:

- **Engineering drawing:** ECA-3992-B (+REV)
- **Customer drawing:** CBA-3992-B (+REV)
- **Project number:** 03-087

## 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
.500 / 12.700	27 / 686 / .97	6 / 152 / .22	13.3

UNCONTROLLED, SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

