

# V27 *SureFlo*<sup>®</sup> Valve

## Description:

Capable of dispensing liquids, gases or powders at controlled dosages, the SureFlo<sup>®</sup> elastomeric valve is ideally suited for 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:** Good cut-off for thick, sticky products.
- **Applications:** Medium to thick products like Honey and chocolate sauce.

## Related Documents:

- **Engineering drawing:** ECA-3577 (+REV)
- **Customer drawing:** CBA-3577 (+REV)
- **LMS project number:** 02-109

## 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
.070 / 1.778	38 / 965 / 1.37	30 / 762 / 1.08	0.2
.130 / 3.302	36 / 914 / 1.30	25 / 635 / .90	4.5
.160 / 4.064	35 / 889 / 1.26	23 / 584 / .83	8.2
.187 / 4.750	35 / 889 / 1.26	21 / 533 / .76	11.2
.220 / 5.588	35 / 889 / 1.26	18 / 457 / .65	16.1
.250 / 6.350	35 / 889 / 1.26	15 / 381 / .54	21.4
.280 / 7.112	34 / 864 / 1.23	12 / 305 / .43	26.5
.320 / 8.128	33 / 838 / 1.19	7 / 178 / .25	33.7

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