

V21 *SureFlo*® Valve

Description:

Capable of dispensing liquids, gases or powders at controlled dosages, the SureFlo® 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:** .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)
- **LMS project number:** 99-180

Valve Performance by Slit Size

| SLIT SIZE Inches / mm | OPEN (H ₂ O Column Height) inches / mm / PSI | CLOSE (H ₂ O Column Height) Inches / mm / PSI | Constant Flow (@ 30" of H ₂ O) ml / sec |
|--------------------------|---|--|--|
| .070 / 1.778 | 19 / 483 / .69 | 12 / 305 / .43 | 3 |
| .100 / 2.540 | 19 / 483 / .69 | 11 / 279 / .40 | 6 |
| .145 / 3.683 | 19 / 483 / .69 | 10 / 254 / .36 | 10 |
| .187 / 4.750 | 19 / 483 / .69 | 9 / 229 / .32 | 13 |
| .200 / 5.080 | 19 / 483 / .69 | 8 / 203 / .29 | 15 |
| .200-3 / 5.080 | 19 / 483 / .69 | 6 / 152 / .22 | 17 |

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