

V-Flow® Dispensing Product Family

Last Revision: September 2018



General Characteristics

General Definition

Versatile, bidirectional and one-way V-Flow® custom dispensing valve can be optimized for your system to allow for effective and precise flow control and dosing. A wide range of liquid viscosities, gases or even powders can be dispensed on demand. These elastomeric dispensing valves are ideal for effective drip control and dosage dispensing.

Working Principle

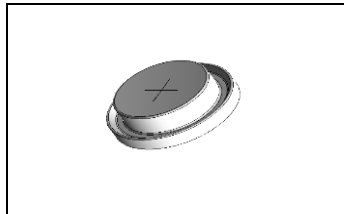
V-Flow® is designed to activate with either manual or mechanical applied pressure or vacuum between 0.25 to 25+ psi. Air recovery occurs through the same opening. Performance temperature range is from -50°F to 400°F (-45°C to 204°C) with reliable performance.

Physical Characteristics

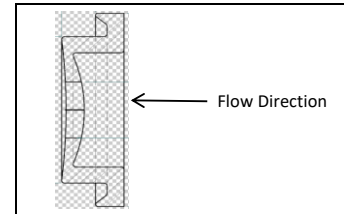
Manufacturing can be held to diameter tolerance of ± 0.08 mm (0.003 inches) and slit length tolerances of 0.08 mm (0.003 inches) maximum. In some cases, even closer tolerances are possible. Optimal dispensing accuracy can be achieved with the right material type and durometer. For this product family the typical hardness is 30 to 40 duro.

Design and Assembly

Design: VA31129 & VA31800

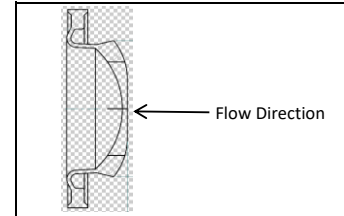


CAD Rendering



Cross Section View

Design: VA31772



Mounting Instructions

Contact Vernay for recommended seat design to ensure proper performance.

Available Products

Design ID	Product Number	Product Image	Valve Dia		Material			
			Inch	mm	Duro	Type		
VA31129	V050010300		0.374	9.5	30	Silicone		
VA31800	V050010500		0.634	16.1	30	Silicone		
VA31772	V050010400		0.719	18.3	40	Silicone		

Slit Type: Cross

Contact

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