

VFC VARIABLE FLOW CHECK VALVES 2000 SERIES - 304 STAINLESS STEEL

SPECIFICATIONS:

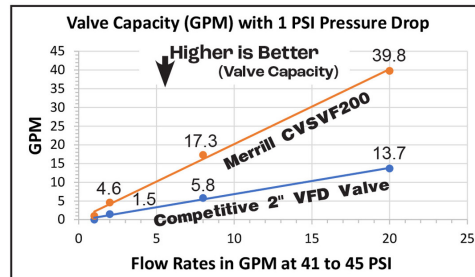
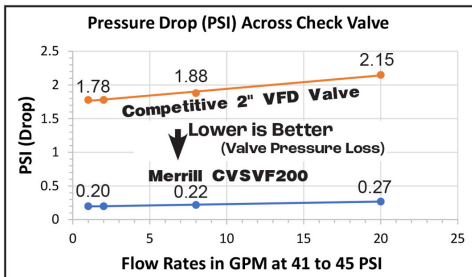
- Our all stainless steel check valves are ideal for Ag Chemical Applications - **WARNING** - Not to be used with anhydrous ammonia.
- Merrill VFC Advanced Design use proven components that are carefully coordinated to control the complete flow range. This design **REDUCES PRESSURE LOSS** and **IMPROVES PUMP EFFICIENCY** while ensuring flow at a consistent pressure.
- Stainless steel check valves are rated for a maximum weight of 2000lbs. in tension - (down pull.)
- All parts, including the spring, lock nut on poppet, and nut retaining cup locks spring to nut, are made from solid 304 stainless steel for durability and corrosion resistance.
- Guide bearing of Delrin® around poppet stem for straight operation and eliminates wear. Each poppet is equipped with a precision fitted, abrasion-resistant O-ring that ensures a secure seal against tapered seats, minimizing the risk of leaks.
- Designed to operate effectively at a working pressure of 200 PSI, the valve withstands a maximum pressure of 450 PSI and an operating temperature of 190°F (87°C), making it suitable for a variety of applications.
- Check valves are essential for water wells, where they need to be installed above the pump between lengths of drop pipe. The no-spin poppet ensures proper functioning, while the stainless steel construction provides the strength and corrosion resistance needed for reliable performance in water well installations.
- No-spin poppets are available in both small and large sizes.
- Max Pressure: 450 PSI
- Max Temperature: 190°F



No Lead

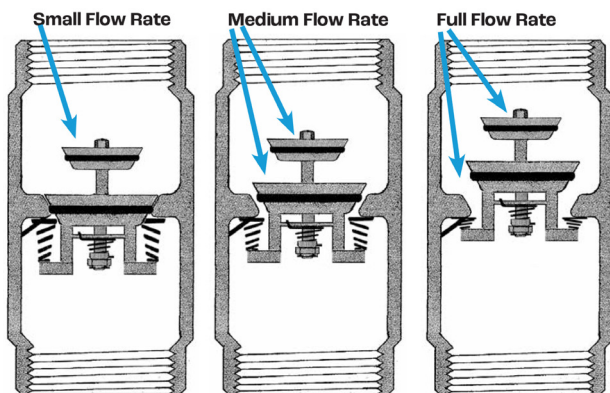


U.S. Patent No.
11,306,839



Independent Flow Tests Done By A Major U.S. University

MATERIALS LIST	
Part Name	Material
Valve Body	304 Stainless Steel
Poppet	304 Stainless Steel
Cup for Spring	304 Stainless Steel
Spring	304 Stainless Steel
Lock Nut	304 Stainless Steel
O-Ring	NBR (Nitrile)
Delrin® Guide Bearing	Delrin® (Polyoxymethylene)



Examples of VFC Double Poppet 3 Flow Rates

DIMENSIONS						
Part No.	Pipe Size	L in.	W in.	H in.	Ctn. Qty.	Approx. Wt./Lbs.
CVSVF100	1"	3.94	2.21	2.24	1	0.87
CVSVF125	1-1/4"	3.94	2.21	2.24	1	1.30
CVSVF150	1-1/2"	3.94	2.21	2.24	1	2.10
CVSVF200	2"	3.94	2.21	2.24	1	3.20

- Eliminate Valve Chatter
- Lower Pressure Loss
- Improved Flow Capacity