



A True **VARIABLE FLOW** **CHECK VALVE**

Installing a VFD Pump You Should Use VFC Valves



Sizes 1" - 1-1/4" - 1-1/2" - 2"
All 304 Stainless Steel

Double Poppet Check
U.S. Patent No. 11,306,839

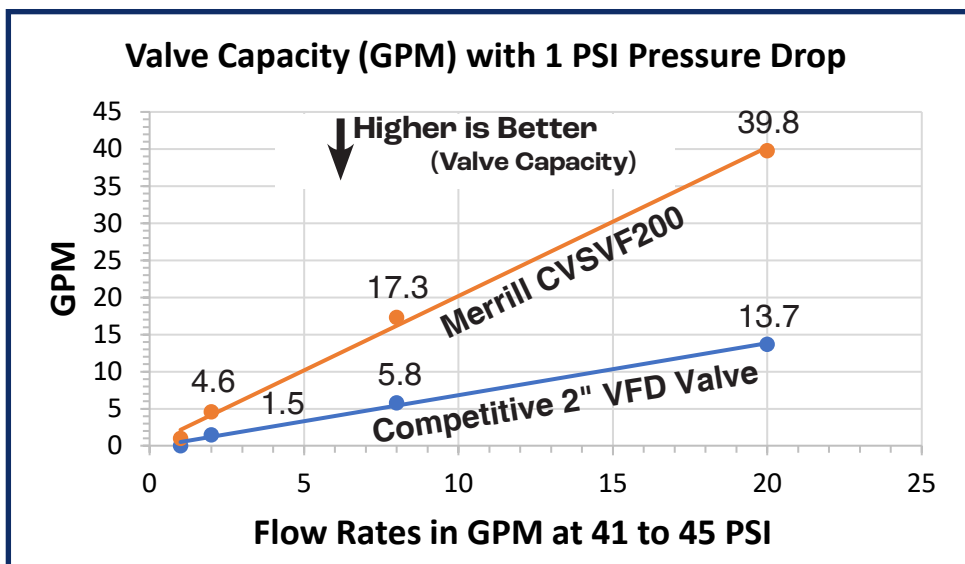
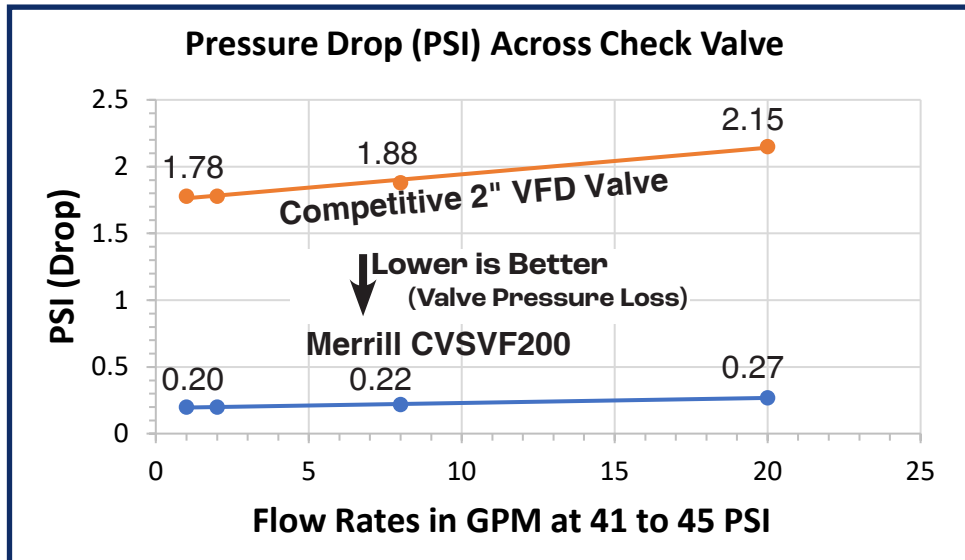


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VARIABLE FLOW CHECK VALVES

**Improve Pump Performance with Greatly Reduced Pressure Drop
Across the Check Valve Plus Big Increase in Valve Capacity (GPM)**

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



- **ELIMINATE VALVE CHATTER**
- **LOWER PRESSURE LOSS**
- **IMPROVED FLOW CAPACITY**



WARNING: This product meets Federal USA Drinking Water requirements but has not been specifically tested or approved as no-lead in the State of California.

Merrill VFC Advanced Design**- Uses the Proven Components Coordinated Together to Control the Flow Range**

- Reduces pressure loss
- Improves pump efficiency
- Flow at consistent pressure
- Stainless steel components - valve body, poppet, spring, lock nut
- Merrill valve has Delrin® guide bearing for poppet - stem - longlife
- Abrasion resistant O-ring is precision fitted to poppets for seal to tapered seats
- Working pressure 200 psi
- Max. operating temperature 190°F (87°C)
- No-spin poppets - small and large

**Merrill 2000 Series Stainless Steel VFC Variable Flow Check Valve**

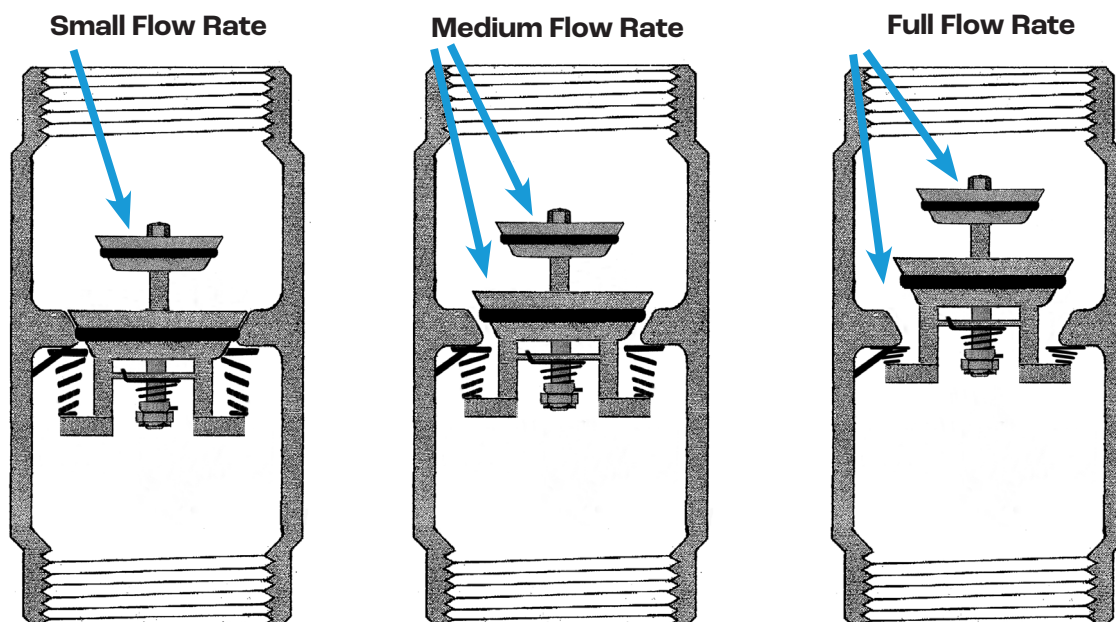
Order Number	UPC Bar Code (Qty.1)	Pipe Size	Ctn. Qty.	Approx. Weight
CVSVF100	6 42367 45311 4	1"	1	0.87 lbs
CVSVF125	6 42367 45169 1	1-1/4"	1	1.30 lbs
CVSVF150	6 42367 45332 9	1-1/2"	1	2.10 lbs
CVSVF200	6 42367 45179 0	2"	1	3.20 lbs

Merrill 2000 Series VFC Stainless Steel Check Valves are rated for a weight of 2,000 lbs. in tension - (down pull).

Merrill CVSVF200

2" = 850% less pressure loss @ 8GPM (0.22 psi vs. 1.88 psi)

2" = 298% more valve capacity @ 8GPM (17.3 gpm vs. 5.8 gpm)

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Examples of VFC Double Poppet 3 Flow Rates



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