



FLOMATIC® VALVES
High Quality Valves Built To Last...



UNLEADED BRONZE CHECK VALVES

MODELS

**80E, 100E, 100ME, 100DPE, 100XLE, 80AE/80AEVFD,
80BE/80BEVFD, 80XBEVFD, 80CE/80CEVFD, 80HTE,
80EVFD/100EVFD, 100MEVFD**



FLOMATIC'S UNLEADED BRONZE SERIES

Proud to manufacture high quality valves built to last since 1933, Flomatic® Valves is a dedicated American made valve manufacturer certified under ISO 9001 and ISO 14001 quality and environmental management systems.

Our NSF/ANSI 61 certified unleaded Enviro Check® was one of the first unleaded check valve to reduce lead content and protect water from lead contamination while providing uninterrupted flow efficient performance. With a variety of poppet designs available to meet and perform in a wide range of applications, Flomatic's valves are among the most reliable check valves manufactured for submersible pump applications on the market today.

Our Enviro Check® valves are cast from unleaded alloy and available with multiple connection types ranging in sizes ¼ through 4 inch and backed by a 5-year warranty.

FEATURES & BENEFITS

- NSF/ANSI 61 approved
- Low head loss
- Reduces hydraulic shock
- Corrosion resistant internals
- Custom-molded Nitrile (Buna-N) seal

APPLICATIONS

- Well water pump systems
- Water applications
- Irrigation systems
- Sprinkler systems
- Gasoline/Oil applications



SEE OUR COMPLETE OFFERING OF
STAINLESS STEEL AND DUCTILE IRON MODELS AVAILABLE AT
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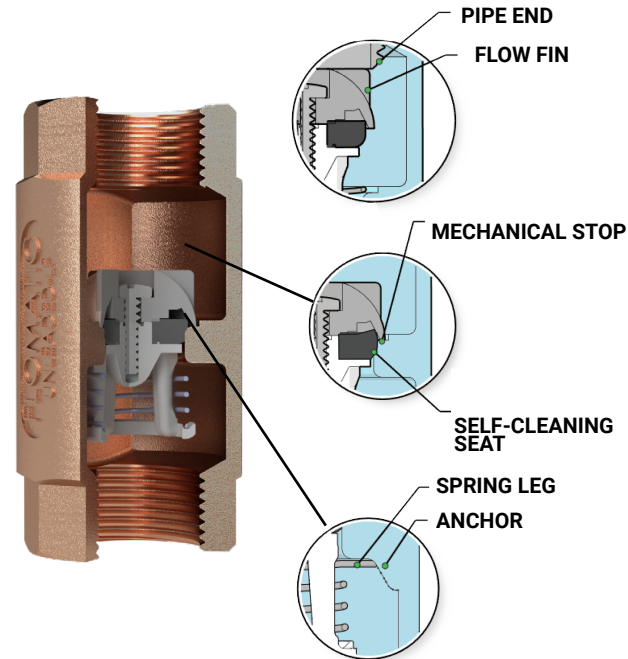
FLOMATIC'S WCR POPPET (Warranted Check Reliability)

With millions of stemless poppets in operation worldwide, Flomatic is a pioneer in the check valve industry. We believe our industry-proven Warranted Check Reliability (WCR) poppet design is among the best on the market today from an efficiency, reliability, and performance standpoint.

The patented WCR poppet is designed to flow evenly when the valve is open. It will not flutter, spin, or wobble, eliminating a major cause of poppet wear and valve hang-up. Backed by a 5-year warranty, our Enviro Check® Valve series are designed for long service life and years of trouble-free operation.

DESIGN FEATURES

- Helps eliminate sticking
- Increased flow efficiency
- Includes a self-cleaning valve seat
- Stabilizing poppet
- Features an anti-spin design
- Stemless design



FLOMATIC'S VFD POPPET (Variable Flow Demand)

Engineered to perform from the inside-out, Flomatic's patented Variable Flow Demand (VFD) check valves are uniquely manufactured for long service life and consistent operation across a very wide range of flow rates to meet the high demand of VFD systems. Flomatic's VFD check valves feature high-strength internals including a poppet guide, bushing, and a radius valve seal.

DESIGN FEATURES

- Operates efficiently under low flow conditions
- Smooth and steady operation
- Extends the service life of a pumping system
- Can be installed vertically or horizontally
- Can be used in VFD & non-VFD systems



UNDER 2" ASSEMBLY
SHOWN HERE IS THE STAINLESS
STEEL VFD OPTION

STANDARD PRODUCT SPECIFICATIONS

UNLESS OTHERWISE SPECIFIED

- ① Unleaded Bronze Body with Threaded Connections
- ② Max Pressure Rating 400 PSI
- ③ Max Temperature Rating 180°F



MODEL 80E

SIZES: 1/4" THRU 4"

Hex ends and threaded female connections. Includes a non-spin acetal (1/2" - 2") or unleaded bronze (2 1/2" - 4") poppet with a Nitrile (Buna-N) seal and a stainless steel spring.

WCR DESIGN



MODEL 100E

SIZES: 1" THRU 1 1/4"

Features a full unleaded bronze hex shaped body for easy wrenching, a non-spin acetal poppet with a Nitrile (Buna-N) seal and a stainless steel spring.

WCR DESIGN



MODEL 100ME/100MEVFD

SIZES: 1" THRU 2"

Features the same body as Model 100E with a threaded male x female connection and VFD internals.

WCR & VFD DESIGN



MODEL 80HTE

Temp Max: 400°F **Pressure Max:** 100 PSI

SIZES: 3/4" THRU 4"

Features the same body as Model 80E. Includes a high-temperature stainless steel poppet and spring & a Viton seal. Ideal for hot water applications.

WCR DESIGN



MODEL 100XLE

SIZES: 1 1/4"

Features a full unleaded bronze hex-shaped body and extra-long threads for a bell end special PVC drop pipe. Available in 1" in stainless steel body.

WCR DESIGN





MODEL 100DPE

SIZES: 1 1/4" M x 1" F

Features the same body and internals as Model 100E with a threaded male x female connection. Includes 1 1/4" male and 1" female threads on both ends.

WCR DESIGN



MODEL 80EVFD/100EVFD

SIZES: 1" THRU 4"

80 style has hex ends and 100 style has hex-shaped body for easy wrenching. 2 inch & 2 1/2 inch size models require stainless steel retaining ring for horizontal installation.

VFD DESIGN



MODEL 80AE/80AEVFD

SIZES: 1" THRU 4"

Same body and internals as Model 80EVFD. Includes a 1/8" drilled and tapped hole on the inlet side.

WCR & VFD DESIGN



MODEL 80BE/80BEVFD

SIZES: 1" THRU 4"

Same body and internals as Model 80EVFD. Includes a two drilled and tapped holes. 1/8" inlet and 1/4" outlet side.

WCR & VFD DESIGN



MODEL 80CEVFD

SIZES: 1" THRU 2"

Same body and internals as Model 80EVFD. Includes: control center with four tappings. One 1/8" inlet sides & two 1/4" outlet sides and one 1/8" outlet side with a brass plug.

VFD DESIGN



MODEL 80XBEVFD

SIZES: 1" THRU 2"

Same body and internals as Model 80EVFD. Includes two 1/4" tapped holes (on the outlet side) for pressure switch and gauge.

VFD DESIGN



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Designing, Developing, and Manufacturing
High Quality American Made Valves for Water and Wastewater Applications
Since 1933



FIND OUR COMPLETE VALVE OFFERINGS AT
WWW.FLOMATIC.COM

LIMITED FIVE YEAR WARRANTY: The Flomatic Corporation warrants that its Unleaded Bronze Check Valves in all sizes are free from defects in materials and workmanship. Flomatic will replace any valve covered by this warranty found to be defective within five years from time of sale. This warranty will be void if the product has been modified in any way by the purchaser, or is subject to unreasonable use.

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