

# CYCLE GARD® I

## HY-Flow

### Flomatic Corporation Constant Pressure Pump Control Valve Model C152EHF 1 1/4" Size Hy-Flow™

#### Delivers Constant Pressure Automatically

- Domestic Well Water Systems
- Municipal/Public Water Systems
- Irrigation and Sprinkler Systems
- Pump Booster Systems
- Agricultural

Double female NPT threaded end connections to simplify installation. Standard model is equipped with female NPT threaded connection I.D. on both ends with hex O.D. The external adjustable by-pass allows for 1 to 5 GPM low flow tank fill rate to optimize the pump shut down run time. Lowering the by-pass fill rate will increase the pump shut down run time while increasing the by-pass fill rate will shorten the shut down run time of the pump.

#### Features & Benefits

- Globe Style Body
- Lower Friction Loss
- Un-Leaded Body
- Replaceable internal cartridge
- Corrosion Resistant internal Components
- 1-70 GPM Flow Range
- Field Adjustable Pressure Regulating Range
- Vertical or Horizontal Installation
- Eliminates pump cycling

#### Materials

**Valve body:** Un-leaded bronze  
**Valve bell housing:** Un-leaded bronze  
**Cartridge** Delrin™, NSF Listed  
**Elastomers** EPDM (FDA approved) Buna Nitrile (FDA approved)  
**Spring and fasteners:** Stainless steel



This CYCLEGARD valve conforms to the "California Lead Plumbing Law" or "Complies with California Lead Plumbing Law" and Vermont State certified to IAPMO R&T certification mark and the Uniform Plumbing Code.



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**FLOMATIC® VALVES**  
High Quality Valves Built to Last . . .

# Cyclegard I Constant Pressure Pump Control Valve Model C152EHF



## Product Operation

The Flomatic Direct Acting Pump Control Valve Model C152EHF when properly installed will regulate high upstream (inlet pressure) to a lower regulated downstream (outlet pressure) constant pressure within a range regardless of water flow. This is accomplished by an adjustable spring loaded balancing valve factory set to automatically regulate the downstream pressure to 50 psi. The regulating pressure is field adjustable. As the demand in the system lowers and the valve goes closed flow continues through an adjustable external by-pass that allows the downstream pressure to build to the pressure switch shut off setting. Tank fill rate is adjustable from 1 to 5 GPM.



Adjustable By-Pass

## Product Specification

- **Connection:** NPT Female both ends
- **Max pressure:** 400 PSI (27 bar)
- **Max temperature:** 180°F (80°C)
- **Pressure Regulating Setting:** Factory set at 50 psi
- **Standard Spring Adjustment**  
 15 to 75 psi (part number C152002EHF)  
 75 to 125 psi (part number C152102EHF)
- **Pressure switch shut off setting should be set 10 p.s.i. higher than the regulated system pressure.** Ex: regulated pressure of 50 p.s.i. the pressure switch should be set an pump on at 40 p.s.i. pump off at 60 p.s.i.

Tank fill Rate is Adjustable from 1 to 5 GPM (by-pass flow is based on 100 p.s.i. inlet)

Valve Size	Pumping Rate	Recommended Tank Draw Down	Well-X-Trol	A.O. Smith	Well Mate
1 1/4"	15 to 70 gpm	5 gpm	WX202	V-60	WM-6

## Product Connection Options

Model	Description	End-Connections	
		Inlet	Outlet
C152EHF	Standard Model Un-lead-ed valve body	Female NPT	Female NPT

Product Cross Reference Guide	FLOMATIC	Cycle Stop	Jacuzzi Bros.	RED JACKET	Flexcon Ind.
	CYCLE GARD® I	CSV2W	Aqua Genie 200	Hydroservant	Pressure Helper

## Product Warranty

Flomatic Corporation warrants that its products are free from defects in materials and workmanship. Danfoss Flomatic Corporation will replace any valve covered by this warranty that is found to be defective within one year, unless otherwise stated below, from the time of sale. This warranty will be void if the product has been modified in any way by the purchaser, or is subjected to unreasonable use.



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