

CYCLE GARD® IV

Flomatic Corporation Constant Pressure Pump Control Valve Model CB152E with NPT Bosses

Size: 1"

Delivers Constant Pressure Automatically

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



Double threaded end connections to simplify installation with pipe size flexibility. Standard models are equipped with single union end connection O.D. and female NPT threaded connection I.D. Also available with threaded NPT O.D x NPT I.D. connection on both ends.



Features & Benefits

- Globe Style Body
- Lower Friction Loss
- Un-Leaded Body
- Replaceable internal cartridge
- Corrosion Resistant internal Components
- 1-30 GPM Flow Range
- Field Adjustable Pressure Regulating Range
- Vertical or Horizontal Installation
- NO Maintenance

Materials

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



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FLOMATIC VALVES
High Quality Valves Built to Last . . .

Cycle Gard® IV Model CB152E Constant Pressure Pump Control Valve

Product Operation

The Flomatic Direct Acting Pump Control Valve Model CB152E 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 integral by-pass hole that allows pressure to build to the pressure switch shut off. Tank fill rate is approximately 1 GPM.



Product Specification

- **Connection: NPT both ends (Male/Female)**
- **Optional connection both ends NPT i.d. x Union End o.d.**
- **Max pressure: 400 PSI (27 bar)**
- **Max temperature: 180°F (80°C)**
- **Pressure Regulating Setting: Factory set at 50 psi**
- **Standard Spring Adjustment range: 15 to 75 psi standard (15 to 150 p.s.i. optional)**

Control Center



Typical installation
(Pressure gage, water tank and pressure switch are not included)

Product Connection Options

Model	Description	End-Connections	
		Inlet	Outlet
CB152E	Standard Model Un-leaded valve body	Single Union End w/ Female NPT	Single Union End w/ Female NPT
CB152ET	Un-leaded valve body	Female/Male NPT (No union nut)	Female/Male NPT (No union nut)

Cross Reference	FLOMATIC	Cycle Stop	Jacuzzi Bros.	RED JACKET	Flexcon Ind.
		CYCLE GARD® IV	CSV1Z	Aqua Genie 400	Hydroservant

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 three 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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