

# Cycle Gard® Model CI-2

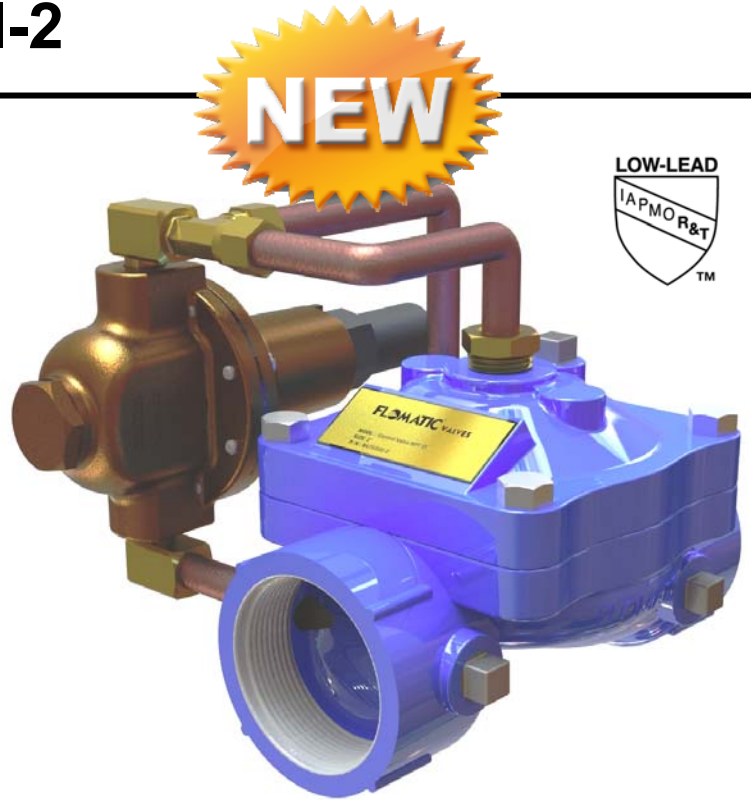
## Flomatic Constant Pressure Control Model CI-2



*New Simple Construction*  
Sizes 1 ½" NPT and 2" NPT

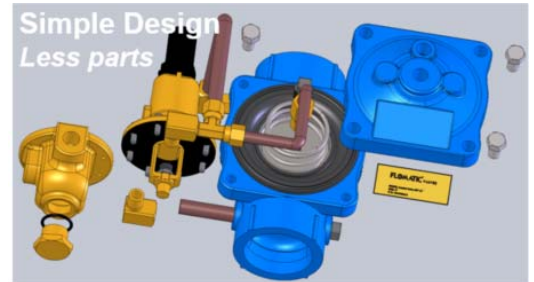
### Applications

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



### Features

- Built-In Self Cleaning By-Pass--- *Maintenance Free*
- Maintains a constant downstream (outlet) pressure
- Strong Ductile Iron Valve Body
- Unleaded
- Diaphragm operated (No moving parts in valve body)
- Field Adjustable Pressure Settings
- Pressure ranges: 15-200 PSI (Factory set for 50 PSI)



### Product Specification

- Connection: Female 1 ½" or 2" NPT
- Max Body Pressure: 400 PSI
- Max Pressure Differential: 200 PSI
- Max temperature: 180°F (80°C)
- NSF® Approved Epoxy Powder

### Materials

- Valve Body:** Ductile Iron A536
- Elastomers:** Reinforced Buna-N
- Spring:** Stainless steel
- Fasteners:** Stainless steel
- Coating:** NSF® approved epoxy coating powder

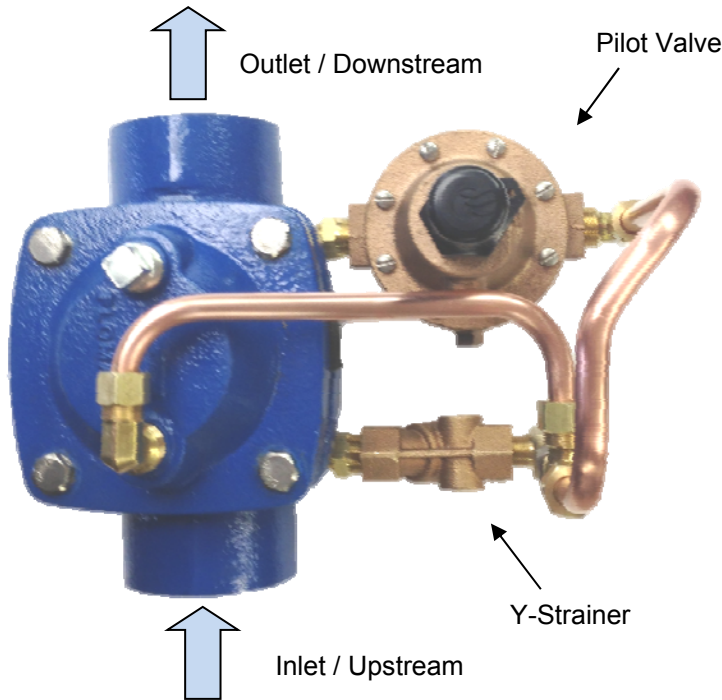


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High Quality Valves Built to Last . . .

**FLOMATIC® VALVES**

# Cycle Gard® Model CI-2

## Flomatic Constant Pressure Control Simple Construction



### Benefits

The Flomatic Model CI-2 is factory set to **regulate a constant downstream system pressure to 50 PSI** with a field adjustable range from 15 to 150 PSI (Optional range of 100 to 300 PSI is available). The Model CI-2 is very simple to install as it requires no adjustments when used with a standard 40/60 PSI pressure switch.

**It is important to note the maximum pressure differential is 200 PSI** between inlet and regulated outlet pressure. For example if the regulated system pressure is 50 PSI (Factory Setting) the maximum inlet or pump pressure cannot exceed **250 PSI** (50 PSI + 200 PSI = 250 PSI).

- **Pressure**

Max Inlet Pressure (Pump Shut-off Head): **250 PSI**

Max Pressure Differential: **200 PSI**

Standard Pressure Range: **15 – 150 PSI**

Factory pre-set to **50 PSI** (Set for a typical 40/60 PSI pressure switch)

◦ Optional Range: 50-225 PSI

- **Temperature** Max Temperature: **180° F**

- **Product Warranty:** Flomatic standard three year control valve product warranty applies.

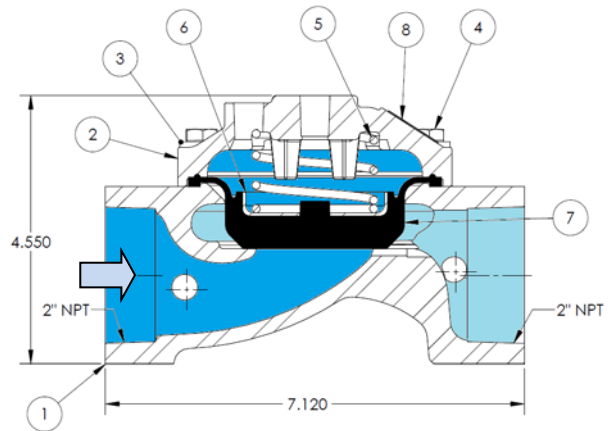
- **Operation**

The Flomatic Model CI-2 is designed to stop pump cycling and to **maintain a constant downstream system pressure** regardless of flow demand or changing upstream pressure.

The unleaded pressure reducing pilot senses the downstream pressure and automatically maintains the pre-set system pressure.

The pump will stay on regardless of flow demand (normally above 5 gpm) and not cycle, **delivering constant system pressure.**

The valve will seat when there is no system flow demand and only allow a minimum downstream flow. This small flow through a scored valve seat will slowly fill system tank and will increase pressure deactivating the pressure switch. This will automatically switch pump off until next cycle.



ITEM #	QTY.	DESCRIPTION	MATERIAL	ASTM
1	1	Body	Ductile Iron	A536
2	1	Cover	Ductile Iron	A536
3	4	Washer	Stainless Steel	304
4	4	Bolt	Stainless Steel	304
5	1	Spring	Stainless Steel	302
6	1	Stop	Stainless Steel	304
7	1	Diaphragm	Nitrile	4024-75
8	1	Tag	Brass	

Size	Connection	Part Number
1 1/2"	Female NPT	CIN1020C2
2"	Female NPT	CIN1020D2



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