



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



# CYCLE GARD®

## CONSTANT PRESSURE PUMP CONTROL VALVES

Manufactured under a certified ISO 9001-2015 and  
ISO 14001-2015 quality and environmental systems



# CYCLE GARD®

Cycle Gard® Constant Pressure Pump Control Valves automatically regulate downstream pressure and provides a constant pressure regardless of the system water flow demand until the demand on the system is no longer required. Depending on the valve model, an internal or external by-pass allowing the system pressure to slowly rise under low demand and fill the tank. When the pressure switch setting is reached, the pump shuts off. Cycle Gard® valves prevent the pump from short cycling which allows for a smaller pressure tank.

The pressure switch setting is always set higher than the desired regulated system pressure and pressure setting on the Cycle Gard® valve. Once the system requires water flow, the tank will drain triggering the pressure switch to start the pump and once again enabling the Cycle Gard® valve to supply constant pressure.

Cycle Gard® Constant Pressure Pump Control Valves maintain a constant pressure, prevents the pump from cycling, are hydraulically operated requiring no electricity, reduces the effect of water hammer, extends pump motor life, and allows for reduced tank size. The Cycle Gard® Constant Pressure Pump Control system is more compact and often at lower system installation cost.

## IRRIGATION

- Golf Courses
- Schools
- Parks
- Houses
- Farms
- Residential areas

## PUMP BOOSTER SYSTEMS

- Hotels
- Restaurants
- Manufacturing Plants
- Apartments & Subdivisions
- Well supply systems

## WATER WELL PUMPS

- Domestic water
- Municipal water
- Water well supply systems



## FEATURES & BENEFITS

- Maintains a constant pressure
- Stops pump from short cycling
- Hydraulically operated (no electricity required)
- Extends pump motor life
- Eliminates effects of water hammer
- More compact system
- Ease to install
- Field adjustable
- Downsize the tank
- Provides more efficient use of appliances
- 3 year warranty



## MODEL Cycle Gard® I C152E

Reduces rapid pump cycling and maintains a pre-set operating pressure for pump systems. Threaded female & female connection. Features an unleaded body & composite bell housing with a UV-Resistant cover and a Nylon reinforced Buna-N diaphragm. Supplied with two FNPT tailpiece and union nuts.

**Factory set at 50 PSI, Certified: NSF/ANSI 61 & 372**



**TEMP MAX:** 180°F (80°C)



**PRESSURE MAX:** 400 PSI



**SIZES:** 3/4 THRU 2"

## MODEL Cycle Gard® I C152ET

Dual purpose threads, reduces rapid pump cycling and maintains a pre-set operating pressure for pump systems. 1" threaded female I.D. & 1 1/4" male O.D. on inlet and outlet connections. Features an unleaded body & composite bell housing, with an UV-Resistant cover and Nylon reinforced Buna-N diaphragm.

**Factory set at 50 PSI, Certified: NSF/ANSI 61 & 372**



**TEMP MAX:** 180°F (80°C)



**PRESSURE MAX:** 400 PSI



**SIZES:** 1"F & 1 1/4"M

## MODEL Cycle Gard® IV CB152E

Reduces rapid pump cycling and maintains a pre-set operating pressure for pump systems. Threaded female & female union ends or female I.D. & male O.D. on inlet and outlet connections. Features a flow efficient globe style unleaded alloy body & composite bell housing, Nylon reinforced Buna-N diaphragm. Supplied with two FNPT tailpiece and union nuts. With two (2) 1/4" tappings for gage and pressure switch. One (1) 3/4" tapping for water tank.

**Factory set at 50 PSI, Certified: NSF/ANSI 61 & 372**



**TEMP MAX:** 180°F (80°C)



**PRESSURE MAX:** 400 PSI



**SIZES:** 1"F & 1 1/4"M or  
Union Ends 1" F x 1" F

## MODEL Cycle Gard® IV CB152SST

Reduces rapid pump cycling and maintains a pre-set operating pressure for pump systems. NPT threaded 1" female I.D. & 1 1/4" male O.D. on inlet and outlet connections. Features a flow efficient globe style all stainless steel body & composite bell housing, Nylon reinforced Buna-N diaphragm. With two (2) 1/2" tappings for gage, pressure switch, and relief valve, and one (1) 3/4" tapping for water tank.

**Factory set at 50 PSI, Pending Certification: NSF/ANSI 61 & 372**



**TEMP MAX:** 180°F (80°C)



**PRESSURE MAX:** 400 PSI



**SIZES:** 1"F & 1 1/4"M

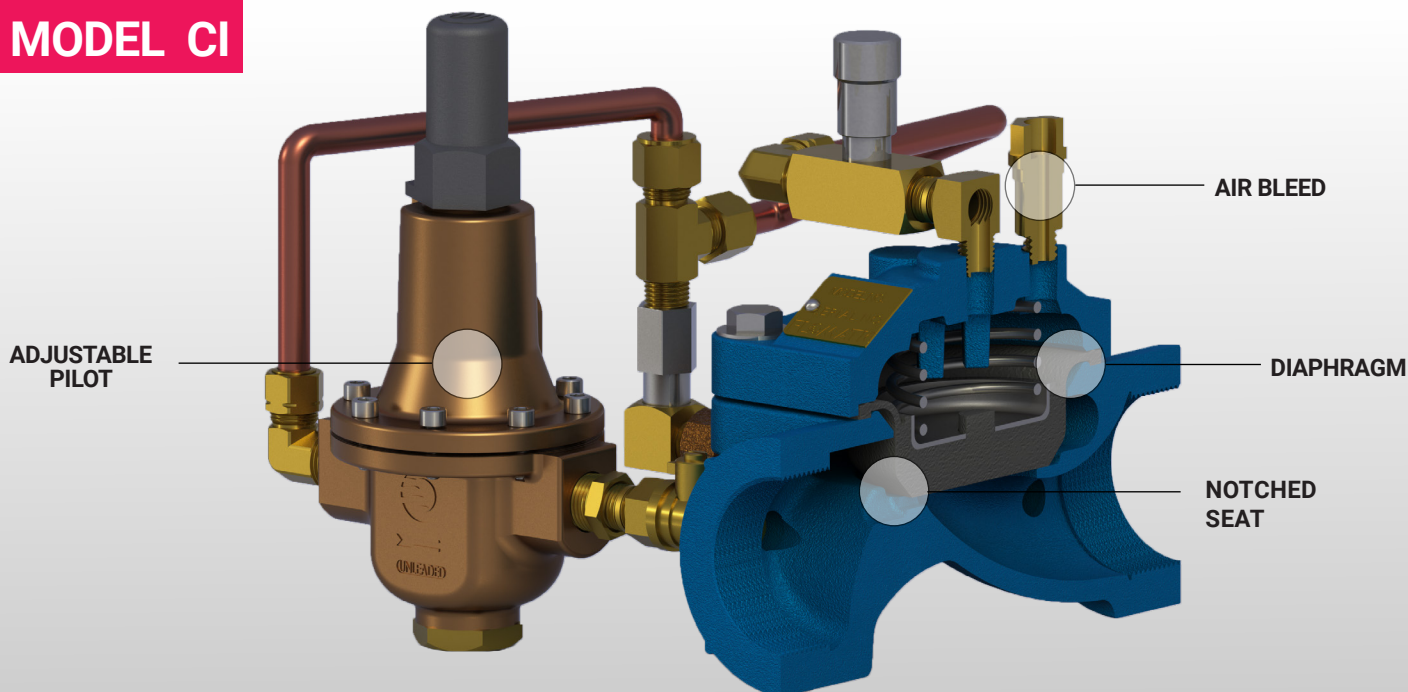
## SELF CLEANING

**NOTE :** All of the Cycle Gard models on this page are designed with a slotted seat.

- Slotted Seat
- Self Cleaning Seat
- No Screen



## MODEL CI



BEST



### MODEL Cycle Gard® II CN101

Prevents pump short cycling with field adjustable by-pass and maintains a pre-set adjustable operating downstream pressure. Features a ductile iron epoxy coated body with drain plug, isolation valves for pilots and controls, plugged port for gages and all SS fasteners with valve opening/closing speed controller. For use with domestic, water well, municipal water systems, industrial water system, irrigation and agriculture.

Factory set at 60 PSI, Certified: NSF/ANSI 61 & 372



TEMP MAX: 180°F (80°C)



PRESSURE MAX: 400 PSI



SIZES: 1 1/4" THRU 8"

BETTER



### MODEL Cycle Gard® CI CIN101

Reduces rapid pump cycle with field adjustable external bypass and maintains a pre-set adjustable operating downstream pressure with valve opening/closing speed controller. Ideal for irrigation, water wells and agriculture applications.

Factory set at 50 PSI, Certified: NSF/ANSI 61 & 372



TEMP MAX: 180°F (80°C)

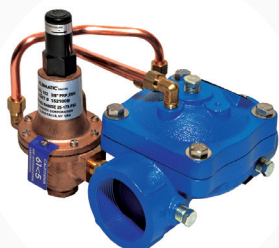


PRESSURE MAX: 250 PSI



SIZES: 1 1/2" and 2"

GOOD



### MODEL Cycle Gard® CI² CIN101-2

Reduces rapid pump cycle and maintains a pre-set adjustable operating downstream pressure. Ideal for irrigation, water wells and agriculture. Built in integrated by-pass at 5 GPM.

Factory set at 50 PSI, Certified: NSF/ANSI 61 & 372



TEMP MAX: 180°F (80°C)



PRESSURE MAX: 250 PSI



SIZES: 1 1/2" and 2"

## MODEL **Cycle Gard® C153S6**



Reduces rapid pump cycling and maintains a preset system operating pressure independent from low or high flow conditions. Valve body is all stainless steel female NPT connection. The valve supports a hanging load up to 3,400 lbs. and fits in a 4" well casing. Dual purpose 1" F & 1 1/4" M design is rated for 1 - 20 GPM. The full port 1 1/4" female design is rated for 2 - 50 GPM.

Note: Factory set at 50 PSI standard part number below, for 40 PSI add "A", 60 PSI add "B". For 70 PSI add "C" to end of part number - 70 PSI only for 1" F & 1 1/4" M configuration.

**Factory set at 50 PSI, Certified: NSF/ANSI 61 & 372**  
**Available with a 3 GPM Bypass**



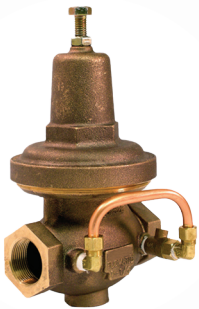
**TEMP MAX:** 180°F (80°C)



**PRESSURE MAX:** 400 PSI



**SIZES:** Dual Purpose 1" F & 1 1/4" M  
and 1 1/4" F threads



## MODEL **Cycle Gard® HY-FLOW C152HEF**

Reduces rapid pump cycle with field adjustable by-pass and maintains a pre-set operating downstream pressure for pump systems. Threaded female x female NPT connection with hex end OD. Features an unleaded body and cover. Nylon reinforced Buna-N diaphragm. Ideal for flows up to 70 GPM.

**Factory set at 50 PSI, Certified: NSF/ANSI 61 & 372**



**TEMP MAX:** 180°F (80°C)



**PRESSURE MAX:** 400 PSI

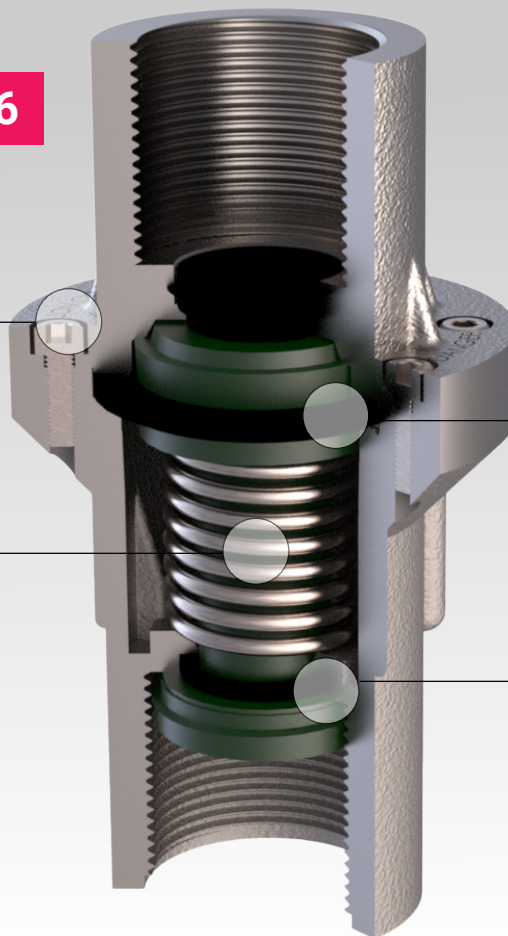


**SIZES:** 1 1/4"

### **CYCLE GARD® C153S6**

**STAINLESS  
STEEL BODY AND  
FASTENERS**

**STAINLESS  
STEEL  
SPRING**



**DIAPHRAGM**

**SEAT**

# CROSS REFERENCE GUIDE

Please, read the information disclaimer below before using this information

\* Note Cycle Stop® is a registered trademark by Cycle Stop Valves, Inc.Texas.

Disclaimer: All product listed above are not exactly comparable and are listed to give the reader some reference that should be verified with the manufacturer of the product. Also, all data and performance values contained in this publication are for general information only and should not therefore, be used or relied upon for any specific application without independent competent professional examination and verification of its accuracy, suitability and applicability. Anyone making use of performance values contained herein does so at their own risk and assumes any and all liability resulting from such use. Flomatic® Corporation disclaims any and all expressed or implied warranties of fitness for any general or particular application.



## CROSS REFERENCE GUIDE Cycle Gard® Vs. Cycle Stop®

| Flow Range          | Max (PSI) | Factory Pressure Setting (PSI)    | Size  | Flomatic Model (Catalog Page #)               | Flomatic® Cycle Gard®                                 | Flomatic Part Number   | Description   | Cycle Stop® Model                     | Cycle Gard® Length (in) | Cycle Stop® Length (in) |
|---------------------|-----------|-----------------------------------|---|---|---|--|---|---------------------------------------|-------------------------|-------------------------|
| 1-25 GPM and higher | 400 PSI   | 50 PSI                            | 3/4" thru 2"                                      | <a href="#">Cycle Gard I (Page: 29)</a>       | <a href="#">Model C152E (Unleade Bronze Body)</a>     | Ten different models: 3/4" thru 2" 15-75 PSI 3/4" thru 2" 15-150 PSI | Supplied with two (2) FNPT union connections  | <b>Not Available</b>                  | 4                       | -                       |
| 1-25 GPM            | 400 PSI   | 50 PSI                            | 1" female NPT and 1 1/4" male NPT                 | <a href="#">Cycle Gard I (Page: 29)</a>       | <a href="#">Model C152ET (Unleade Bronze Body)</a>    | C152001ET 15-75 psi & C152101ET 15-150 psi                           | Supplied with 1" F & 1 1/4" M connections   | <b>Not Available</b>                  | 4                       | -                       |
| 1-25 GPM            | 400 PSI   | 50 PSI                            | 1" female NPT Tail-piece and union nuts both ends | <a href="#">Cycle Gard IV (Page: 29)</a>      | <a href="#">Model CB152E (Unleade Bronze Body)</a>    | CB152001E 15-75 psi & CB152101E 15-150 psi                           | Supplied with two (2) FNPT union connections and two (2) 1/4" tapping's for gage and pressure switch and one (1) 3/4" tapping for water tank. | <b>Not Available</b>                  | 4                       | -                       |
| 1-25 GPM            | 400 PSI   | 50 PSI                            | 1" female NPT and 1 1/4" male NPT                 | <a href="#">Cycle Gard IV (Page: 29)</a>      | <a href="#">Model CB152E (Unleade Bronze Body)</a>    | CB152001ET 15-75 psi & CB152101ET 15-150 psi                         | Supplied with two (2) FNPT union connections and two (2) 1/4" tapping's for gage and pressure switch and one (1) 3/4" tapping for water tank. | <b>Not Available</b>                  | 4                       | -                       |
| 1-25 GPM            | 400 PSI   | 50 PSI                            | 1" female NPT and 1 1/4" male NPT                 | <a href="#">Cycle Gard IV (Page: 29)</a>      | <a href="#">Model CB152SST (Stainless Steel Body)</a> | CB152001SST 15-75 psi & CB152101SST 15-150 psi                       | Supplied with 1" F & 1 1/4" M and two (2) 1/2" tapping's for gage and pressure switch and one (1) 3/4" tapping for water tank.                | CSV1A (Stainless Steel Body)          | 4                       | 4.56                    |
| 1-20 GPM            | 150 PSI   | 50 PSI ("A"=40 psi or "B"=60 psi) | 1" female NPT and 1 1/4" male NPT                 | <a href="#">Cycle Gard (Page: 30)</a>         | <a href="#">Model C153S6 (Stainless Steel Body)</a>   | C153002S6  | Supplied with 1" F & 1 1/4" M connections   | <b>Not Available</b>                  | 5.75                    | -                       |
| 1-20 GPM            | 150 PSI   | 50 PSI ("A"=40 psi or "B"=60 psi) | 1" female NPT and 1 1/4" male NPT                 | <a href="#">Cycle Gard (Page: 30)</a>         | <a href="#">Model C153S6-3 (Stainless Steel Body)</a> | C153002S6-3  | Supplied with 1" F & 1 1/4" M connections and a 3 GPM By-Pass for 3 & 5 Hp pumps  | <b>Not Available</b>                  | 5.84                    | -                       |
| 1-50 GPM            | 150 PSI   | 50 PSI ("A"=40 psi or "B"=60 psi) | 1 1/4" Female                                     | <a href="#">Cycle Gard (Page: 30)</a>         | <a href="#">Model C153S6 (Stainless Steel Body)</a>   | C153003S6  | Supplied 1 1/4" Femal connections   | CSV125(PSI)- 1 (Thermoplastic Body)   | 5.84                    | 5.88                    |
| 1-50 GPM            | 150 PSI   | 50 PSI ("A"=40 psi or "B"=60 psi) | 1 1/4" Female                                     | <a href="#">Cycle Gard (Page: 30)</a>         | <a href="#">Model C153S6 (Stainless Steel Body)</a>   | C153003S6-3  | Supplied with 1 1/4" Female connections and a 3 GPM By-Pass for 3 & 5 Hp pumps  | CSV125(PSI)- 3 (Thermoplastic Body)   | 5.84                    | 5.88                    |
| 5-70 GPM            | 300 PSI   | 50 PSI (Field Adjustable)         | 1 1/4"  | <a href="#">Cycle Gard HY-FLOW (Page: 29)</a> | <a href="#">Model C152EHF (Unleade Bronze Body)</a>   | C152002EHF Range: 15-75 PSI  | Supplied with 1 1/4" M connections and field adjustable By-Pass   | CSV2W1.25T-2575 (No Lead Brass Body)  | 5.81                    | 5                       |
| 5-70 GPM            | 300 PSI   | 50 PSI (Field Adjustable)         | 1 1/4"  | <a href="#">Cycle Gard HY-FLOW (Page: 29)</a> | <a href="#">Model C152EHF (Unleade Bronze Body)</a>   | C152102EHF Range: 15-150 PSI   | Supplied with 1 1/4" M connections and field adjustable By-Pass   | CSV2W1.25T-50120 (No Lead Brass Body) | 5.81                    | 5                       |

\* Note Cycle Stop® is a registered trademark by Cycle Stop Valves, Inc.Texas.

# CROSS REFERENCE GUIDE

## Flomatic Cycle Gard® CI (Ductile Iron) Vs. Cycle stop Model CSV3B (Cast Iron)

| Flow Range | Max (PSI) | Factory Pressure Setting (PSI) | Size   | Flomatic Model (Catalog Page #)            | Flomatic® Cycle Gard® CI (Ductile Iron) | Flomatic® Cycle Gard® Part Number | Description  | Cycle Stop® Model (Cast iron) | Cycle Gard® Length (in) | Cycle Stop® Length (in) |
|------------|-----------|--------------------------------|--------|--|---|-----------------------------------|--|-------------------------------|-------------------------|-------------------------|
| 5-85 GPM   | 250 PSI   | 50 PSI (Field Adjustable)      | 1 1/2" | <a href="#">Cycle Gard® CI² (Page: 30)</a> | <a href="#">Cycle Gard® CIN101-2</a>    | CIN1020C2                         | Female NPT end connection and with a 5 GPM by-Pass       | Not Available                 | 7.14                    | -                       |
| 5-150GPM   | 250 PSI   | 50 PSI (Field Adjustable)      | 2"     | <a href="#">Cycle Gard® CI² (Page: 30)</a> | <a href="#">Cycle Gard® CIN101-2</a>    | CIN1020D2                         | Female NPT end connection and with a 5 GPM by-Pass       | Not Available                 | 7.14                    | -                       |
| 5-85 GPM   | 250 PSI   | 50 PSI (Field Adjustable)      | 1 1/2" | <a href="#">Cycle Gard® CI (Page: 30)</a>  | <a href="#">Cycle Gard® CIN101</a>      | CIN1020C                          | Female NPT end connection and with an adjustable by-Pass | Not Available                 | 7.25                    | -                       |
| 5-150 GPM  | 250 PSI   | 50 PSI (Field Adjustable)      | 2"     | <a href="#">Cycle Gard® CI² (Page: 30)</a> | <a href="#">Cycle Gard® CIN101</a>      | CIN1020D                          | Female NPT end connection and with an adjustable by-Pass | CSV3B-2T                      | 7.14                    | 6.88                    |
| 5-150 GPM  | 250 PSI   | 50 PSI (Field Adjustable)      | 2"     | <a href="#">Cycle Gard® CI (Page: 30)</a>  | <a href="#">Cycle Gard® CIN101-2</a>    | CIN1020D                          | Female NPT end connection and with a 5 GPM by-Pass       | Not Available                 | 9.38                    | -                       |

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# CROSS REFERENCE GUIDE

## Flomatic Cycle Gard® II (Ductile Iron) Vs. Cycle stop Model CSV3B (Cast Iron)

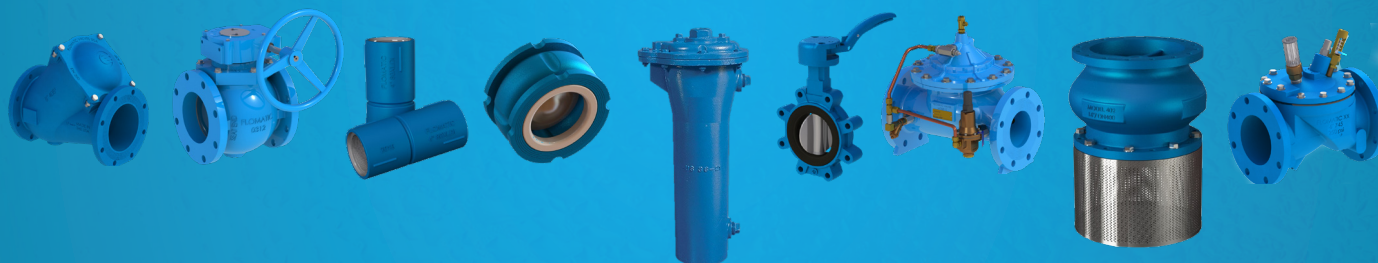
| Flow Range  | Max (PSI) | Factory Pressure Setting (PSI)                        | Size   | Flomatic Model (Catalog Page #)          | Flomatic Model/ Angled Valve Body Model      | Part Number Threaded/ Flanged | Description                      | Cycle Stop® Model (Cast Iron) | Cycle Gard® Length (in) | Cycle Stop® Length (in) |
|-------------|-----------|---|--------|--|--|-------------------------------|----------------------------------|-------------------------------|-------------------------|-------------------------|
| 5-50 GPM    | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 1 1/4" | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1010B                       | Threaded Female End Connections. | Not Available                 | 7.25                    | -                       |
| 5-80 GPM    | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 1 1/2" | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1010C/ CN1011C              | Threaded or Flanged Connections  | Not Available                 | 7.25                    | -                       |
| 5-150 GPM   | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 2"     | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1010D/ CN1011D              | Threaded or Flanged Connections  | CSV3B-2T (Cast Iron)          | 9.38                    | 6.88                    |
| 5-150 GPM   | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 2"     | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1011D                       | Threaded or Flanged Connections  | CSV3B-2F (Cast Iron)          | 9.38                    | 8.13                    |
| 5-180 GPM   | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 2 1/2" | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1010E/ CN1011E              | Threaded or Flanged Connections  | Not Available                 | 12.5                    | -                       |
| 5-180 GPM   | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 2 1/2" | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1010E/ CN1011E              | Threaded or Flanged Connections  | Not Available                 | 11                      | -                       |
| 5-300 GPM   | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 3"     | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1010F/ CN1011F              | Threaded or Flanged Connections  | CSV3B-3T (Cast Iron)          | 12.5                    | 9.81                    |
| 5-300 GPM   | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 3"     | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1010F/ CN1011F              | Threaded or Flanged Connections  | CSV3B-3F (Cast Iron)          | 12                      | 9.81                    |
| 5-500 GPM   | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 4"     | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1011G                       | 150# Flanged Connections         | CSV3B-4F (Cast Iron)          | 15                      | 12.56                   |
| 5-1200 GPM  | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 6"     | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1011J                       | 150# Flanged Connections         | CSV3B-6F (Cast Iron)          | 20                      | 16.31                   |
| 5-2000 GPM  | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 8"     | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1011K                       | 150# Flanged Connections         | CSV3B-8F (Cast Iron)          | 25.38                   | 19.69                   |
| 5-2500 GPM  | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 10"    | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1011L                       | 150# Flanged Connections         | CSV3B-10F (Cast Iron)         | 29.75                   | 23.81                   |
| 5- 5000 GPM | 250 PSI   | 60 PSI (Standard Field Adjustment range 15 - 150 PSI) | 12"    | <a href="#">Cycle Gard II (Page: 30)</a> | <a href="#">CCN101/CNA101 (Ductile Iron)</a> | CN1011M                       | 150# Flanged Connections         | CSV3B-12F (Cast Iron)         | 34                      | 28.50                   |

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# FLOMATIC® VALVES

Since 1933, Manufacturing  
**The Most Complete Line of Valves for Water and Wastewater Applications**  
in The United States



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## FLOMATIC CORPORATION

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[WWW.FLOMATIC.COM](http://WWW.FLOMATIC.COM)

**LIMITED THREE YEAR WARRANTY:** The Flomatic Corporation warrants that its Cycle Gard® 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 one year 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.

