



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

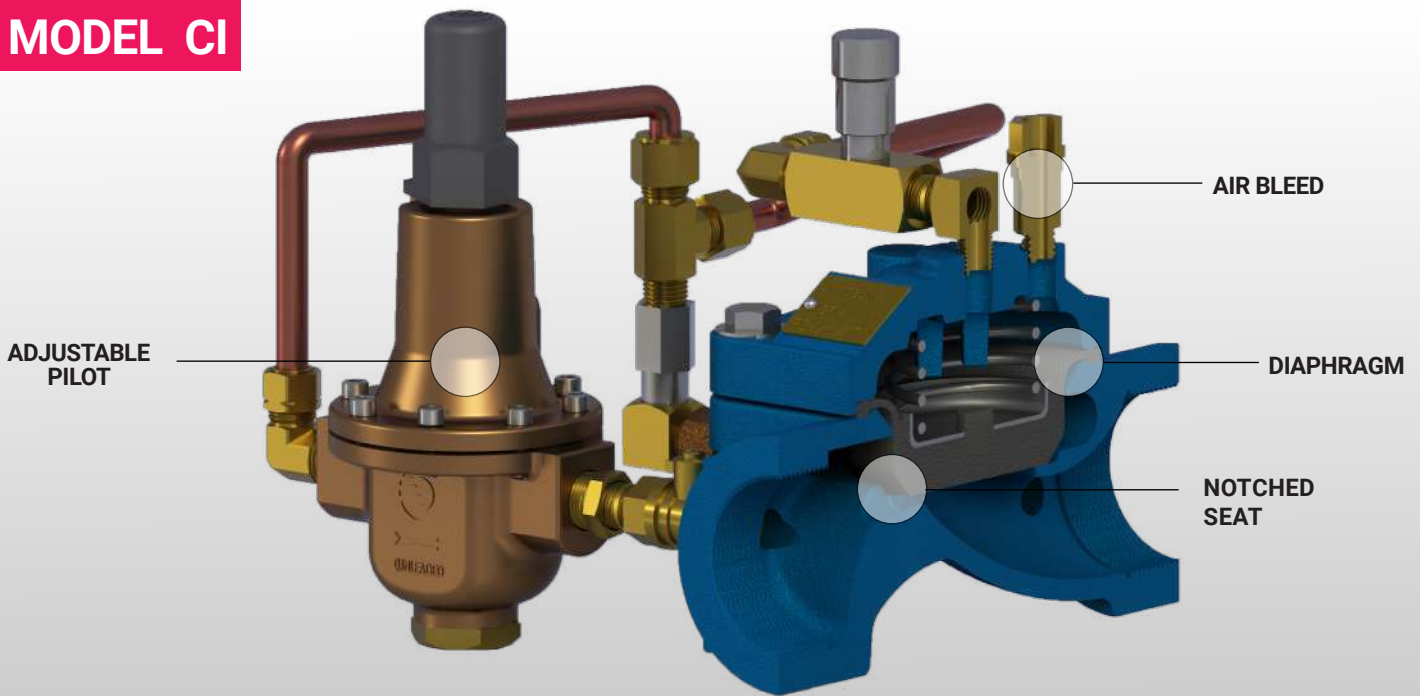
SELF CLEANING

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

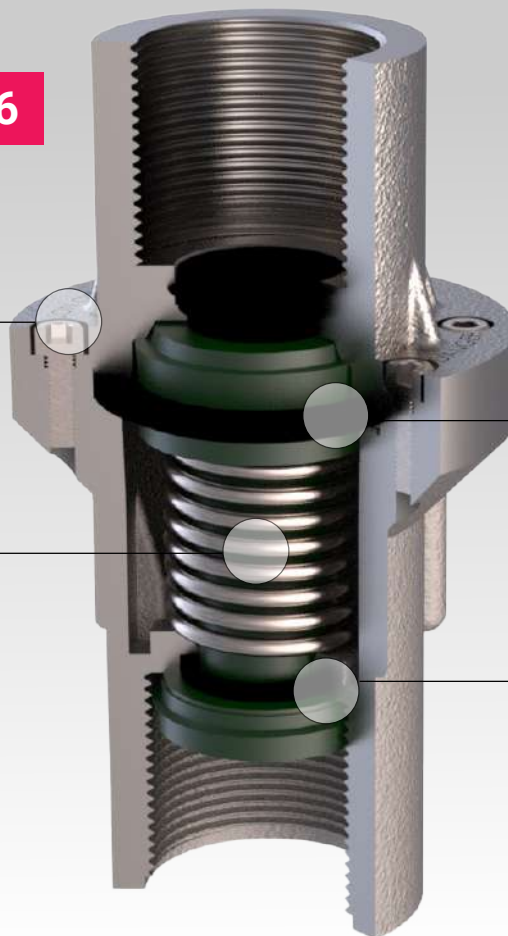


SIZES: 1 1/4"

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"	Cycle Gard I (Page: 29)	Model C152E (Unleade Bronze Body)	Ten different models: 3/4" thru 2" 15-75 PSI 3/4" thru 2" 15-150 PSI	Supplied with two (2) FNPT union connections	Not Available	4	-
1-25 GPM	400 PSI	50 PSI	1" female NPT and 1 1/4" male NPT	Cycle Gard I (Page: 29)	Model C152ET (Unleade Bronze Body)	C152001ET 15-75 psi & C152101ET 15-150 psi	Supplied with 1" F & 1 1/4" M connections	Not Available	4	-
1-25 GPM	400 PSI	50 PSI	1" female NPT Tail-piece and union nuts both ends	Cycle Gard IV (Page: 29)	Model CB152E (Unleade Bronze Body)	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.	Not Available	4	-
1-25 GPM	400 PSI	50 PSI	1" female NPT and 1 1/4" male NPT	Cycle Gard IV (Page: 29)	Model CB152E (Unleade Bronze Body)	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.	Not Available	4	-
1-25 GPM	400 PSI	50 PSI	1" female NPT and 1 1/4" male NPT	Cycle Gard IV (Page: 29)	Model CB152SST (Stainless Steel Body)	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	Cycle Gard (Page: 30)	Model C153S6 (Stainless Steel Body)	C153002S6	Supplied with 1" F & 1 1/4" M connections	Not Available	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	Cycle Gard (Page: 30)	Model C153S6-3 (Stainless Steel Body)	C153002S6-3	Supplied with 1" F & 1 1/4" M connections and a 3 GPM By-Pass for 3 & 5 Hp pumps	Not Available	5.84	-
1-50 GPM	150 PSI	50 PSI ("A"=40 psi or "B"=60 psi)	1 1/4" Female	Cycle Gard (Page: 30)	Model C153S6 (Stainless Steel Body)	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	Cycle Gard (Page: 30)	Model C153S6 (Stainless Steel Body)	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"	Cycle Gard HY-FLOW (Page: 29)	Model C152EHF (Unleade Bronze Body)	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"	Cycle Gard HY-FLOW (Page: 29)	Model C152EHF (Unleade Bronze Body)	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"	Cycle Gard® CI² (Page: 30)	Cycle Gard® CIN101-2	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"	Cycle Gard® CI² (Page: 30)	Cycle Gard® CIN101-2	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"	Cycle Gard® CI (Page: 30)	Cycle Gard® CIN101	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"	Cycle Gard® CI² (Page: 30)	Cycle Gard® CIN101	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"	Cycle Gard® CI (Page: 30)	Cycle Gard® CIN101-2	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"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	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"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	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"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	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"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	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"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	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"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	CN1010E/ CN1011E	Threaded or Flanged Connections	Not Available	11	-
5-300 GPM	250 PSI	60 PSI (Standard Field Adjustment range 15 - 150 PSI)	3"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	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"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	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"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	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"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	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"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	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"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	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"	Cycle Gard II (Page: 30)	CCN101/CNA101 (Ductile Iron)	CN1011M	150# Flanged Connections	CSV3B-12F (Cast Iron)	34	28.50

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FLOMATIC® VALVES

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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.

