

CHECKtronic® Electric Motor Actuated Pump Control Valve

Data Sheet CKTR.01B

Description

The GA Industries CHECKtronic® Pump Control Valve uses an electric motor actuator to control the valve's opening and closing speed to minimize pressure surges during pump start-up and normal shutdown. Its flow efficient long radius elbow or wye body provides low head loss and reduced operating cost.

The simple electric motor actuator eliminates complicated hydraulic controls and incorporates a "pulse" feature allowing the valve's opening and closing time to be easily field adjusted to suit the operating conditions

The valve's built-in, spring-assisted, check feature automatically closes, independent of the actuator, to prevent reverse flow subsequent to an uncontrolled pump shutdown caused by pump, motor or power failure.

The GA Industries CHECKtronic® Pump Control Valve is ideal for water, wastewater or sewage pumping.



Product Features

- Heavy duty cast iron body with 316SS body seat
- Flow efficient wye long or radius elbow or body
- Ductile iron disc with tough UHMWPE replaceable seat
- Electronically adjustable opening and closing time
- Can accommodate any brand of 3-Phase open/close, multi-turn electric motor actuator
- External "pump off" limit switch

Standard Materials

- Body, Cover Cast Iron, ASTM A126 Class B
- Body Seat Type 316 Stainless Steel
- Disc Ductile Iron, ASTM A536 Gr 65-45-12
- Disc Seat Ultra High Molecular Weight Polyethylene
- Valve Stem Stainless Steel
- External Fasteners Steel, A307, Zinc Plated

Corrosion Protection

- Standard: Internal and External Carboline 891 NSF-61 Certified Epoxy, min 6 mil DFT

Options/Accessories

- With Power Failure Controlled Closing Check Feature
- With Adjustable Spring Feature
- With Pump Director Pre-wired Control Panel

Ordering Data

- Figure Number (1625-DCM, 1625-UCM, 1626-DCM, 1626-UCM)
- Size
- Installation Orientation
- Options and/or Accessories

Non-Shock Working Water Pressure Up to 125F (52C)			
Figure Number	1625-DCM (Elbow Body)		1625-UCM (Angle Body)
	1626-DCM (Wye Body)		1626-UCM (Wye Body)
Flanges	ANSI B16.1 Class 125		ANSI B16.1 Class 250
Size	3" – 12"	14" to 24"	3" – 24"
Max Inlet	200 PSI	150 PSI	300 PSI
Hydro Test	300 PSI	225 PSI	450 PSI

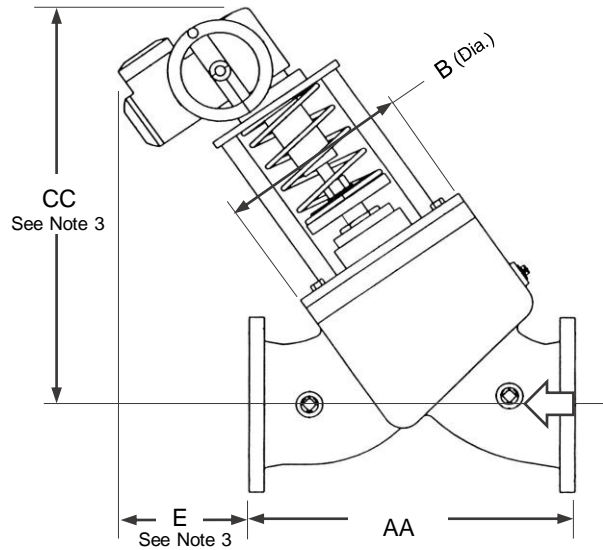
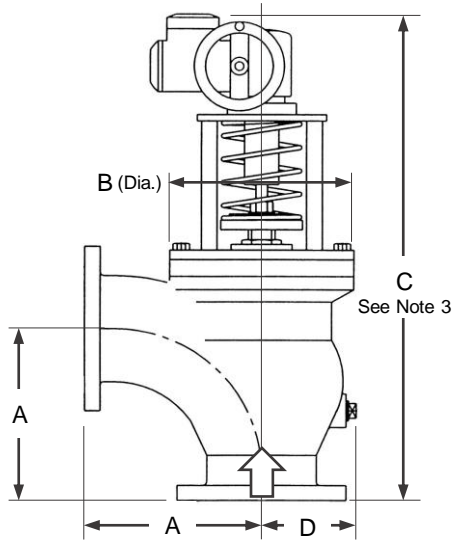
Optional Model 7700A Pump Director



The operation of the CHECKtronic® Pump Control Valve and the pump motor must be sequenced for proper surge control. The optional GA Industries Model 7700A is a user friendly and SCADA compatible PLC based control panel that interfaces between the Motor Control Center and the pump control valve to provide the necessary electrical logic.

See Data Sheet 7700A.01 for more information.

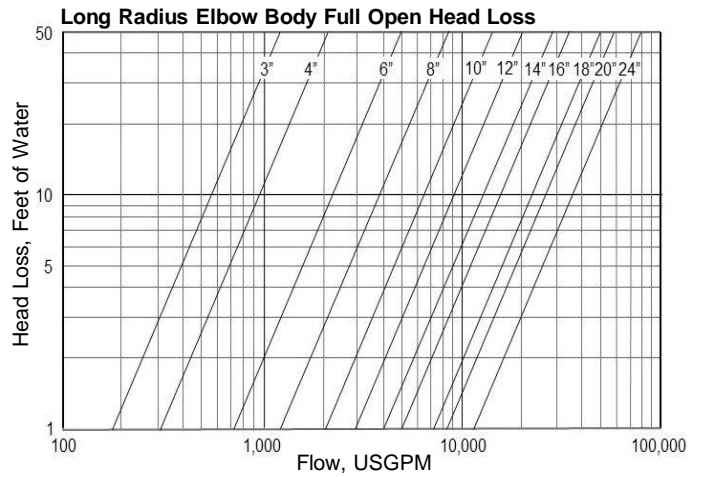
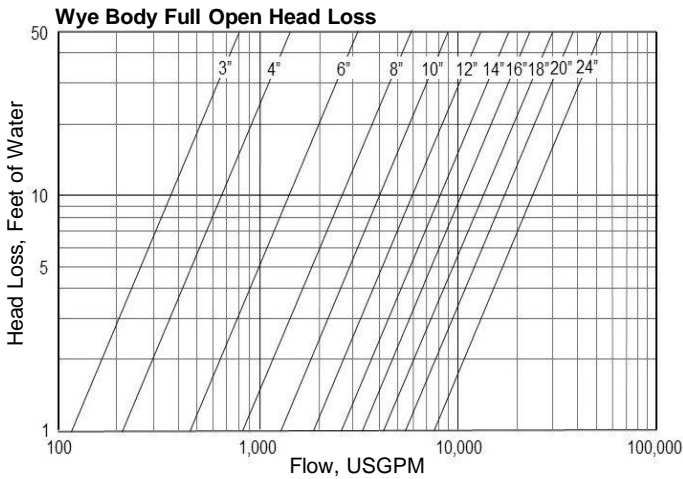
Data Sheet CHTR.01B



Installation Dimensions

	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
A	7¾	9	11½	14	16½	19	21½	24	26½	29	34
AA	12	13	18	24½	26	31	33	36	40	40	48
B	6¾	8	11½	15	18	19¾	23½	25	28	28	35½
C	39¾	42	45½	49	52½	56½	62½	74	78½	83	92
CC	29	30½	33½	37	40½	45	46	52½	60	61	64
D	5	6	7	9	11	13	16	17	21	23	24
E	15½	14½	13	10½	13	12½	11½	13½	15½	15½	17
WGT	275	300	525	675	870	1,400	2,400	2,750	3,150	3,450	6,800

1. Dimensions in inches, weight in pounds and are approximate. Request certified drawings if critical.
2. Dimension A and AA same for Class 125 and Class 250. Class 250 flanges supplied flat face.
3. Dimensions C, CC and E depend on the actuator and may differ from the dimensions shown.
4. Actuator can be rotated in 90 degree increments about the valve centerline



SIZE		3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
C _v	WYE	175	315	700	1230	1975	2900	3900	5000	6800	8100	11400
	LRE	260	480	1040	1930	3100	4350	5900	7600	10000	12000	17000