

# CG Series Gate Valves



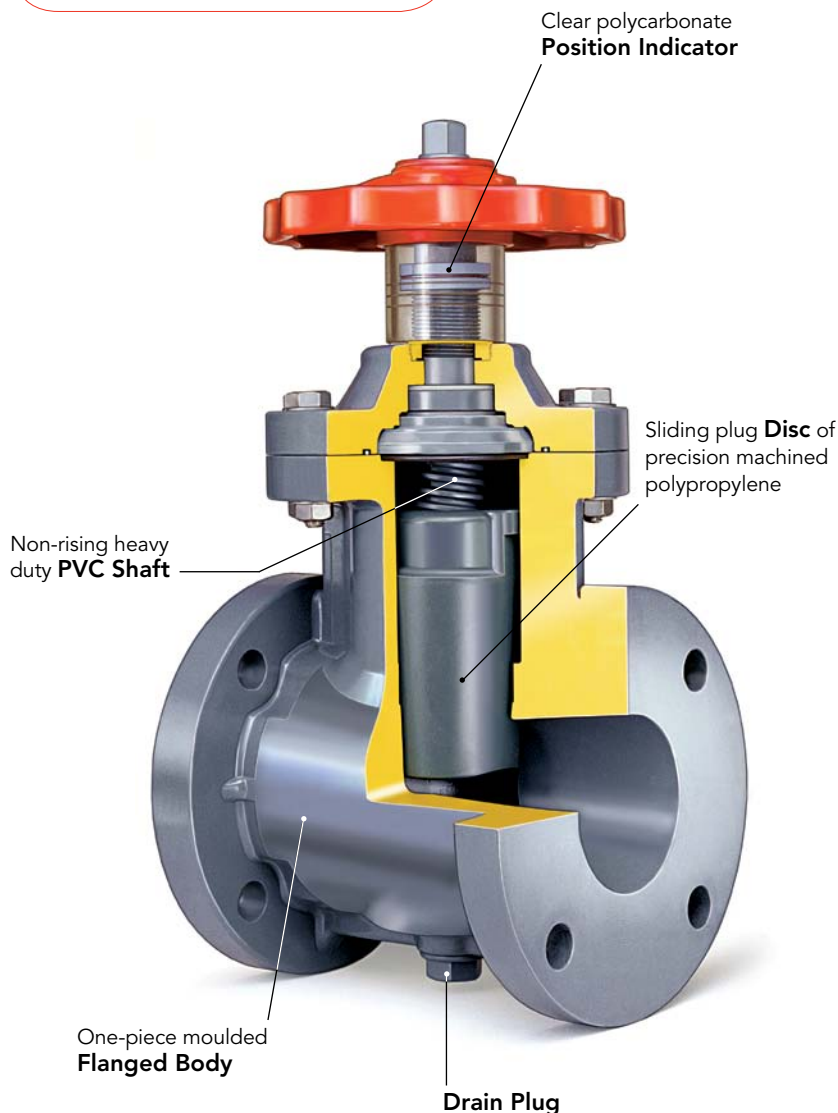
PVC

SERIES: CG

SIZES: 1-1/2" to 14"

ENDS: Flanged

SEALS: EPDM or FKM (Viton®)



The Chemline **CG Series** flanged Gate Valve is an excellent isolating valve, but is also versatile. Fully open it has an unobstructed port and streamlined seating area, making pressure drop low. Water hammer can be a problem with quick closing valves such as ball and butterfly. Use of this multi-turn, slow closing valve eliminates water hammer. Unlike metal gate valves, this one may be throttled. This valve is an excellent choice for underground services.

## Features

- **Full Port**
- **Ideal for Underground Service**

### Light Weight

- Fast and easy to install

### AWWA Flanged Face-to-Face Dimensions

- In sizes up to 8". Can easily replace corroded steel valves.

### Streamlined Seating Area and Full Port

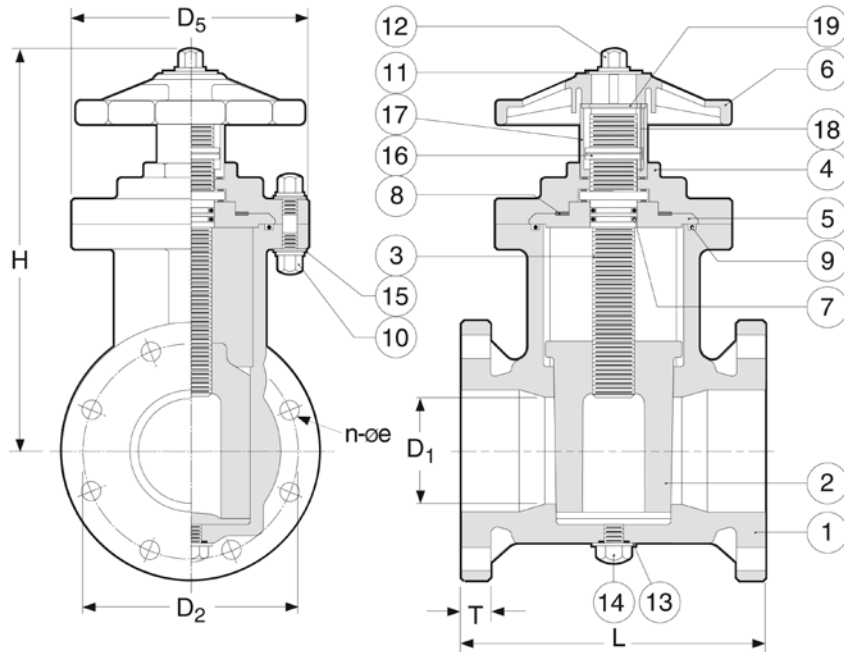
- Low Pressure Drop
- Little Sediment Buildup



### Cylindrical Disc and Large Seating Area

- High Working Pressures
- Good Abrasion Resistance





## PARTS

▲ Available Spare Parts

No.	Part	Pcs.	Materials
1	Body	1	PVC
2	Disc	1	PP
3	Shaft	1	PVC/Steel Core
4	Bonnet	1	PVC
5	Stem Retainer	1	PVC 8" – 14"
6▲	Handwheel	1	PP
7▲	Shaft O-Ring	2	EPDM, FKM (Viton®)
8	Thrust Ring	2	PTFE 1-1/2" – 6"
8	Thrust Bearing	2	8" – 14"
9▲	Bonnet O-Ring	1	EPDM, FKM (Viton®)
10	Bolt & Nut	Set	Stainless Steel
11▲	Washer	1	PVC 1-1/2" – 6"
12▲	Handwheel Nut	1	PVC
13▲	Gasket	1	EPDM, FKM (Viton®)
14	Drain Plug	1	PVC
15	Washer	Set	Stainless Steel
16▲	Indicator Ring	1	PVC
17▲	Indicator Tube	1	Polycarbonate
18▲	Indicator Pin	1	Stainless Steel
19▲	Indicator O-Ring	1	EPDM, FKM (Viton®)

## DIMENSIONS INCHES

Size	D <sub>1</sub>	D <sub>2</sub>	n	e	D <sub>5</sub>	L	H	T	NET WEIGHTS		WORKING PRESSURES PSI Cv VALVES	
									KG	LB.	0-50°C 32-122°F	USGPM @ 1 PSI Pressure Drop
1-1/2"	1.52	3.88	4	0.63	4.72	6.50	9.26	0.87	2.5	5.5	150	130
2"	1.96	4.74	4	0.75	5.12	7.00	10.15	0.91	3.4	7.5	150	180
2-1/2"	2.54	5.49	4	0.75	6.10	7.50	11.42	0.94	4.7	10.3	150	415
3"	2.94	6.00	4	0.75	6.69	8.00	12.20	0.98	6.1	13.5	150	470
4"	3.94	7.50	8	0.75	7.68	9.00	13.78	1.06	9.1	20.	150	690
5"	4.33	8.50	8	0.87	9.25	10.24	16.03	1.06	14.3	31.	150	1,000
6"	5.12	9.51	8	0.87	10.63	10.50	17.52	1.06	18.2	40.	150	1,400
8"	6.61	11.75	8	0.87	12.20	11.50	22.72	1.10	30.0	66.	150	2,900
10"	8.27	14.25	12	0.98	14.17	14.96	27.17	1.18	52.5	116.	110	3,700
12"	10.04	17.01	12	0.98	16.14	15.75	31.50	1.22	66.5	147.	70	5,200
14"	11.69	18.74	12	1.14	17.91	16.93	35.82	1.26	80.0	187.	70	7,000

Max. Temp. 60°C (140°F)

## Options + Accessories

### Municipal Operating Nut

- 2" square nut for operating valves below grade using a standard municipal "key"
- Stainless Steel for corrosion resistance



### Handwheel Lock-out

- To prevent unauthorized operation of the valve during maintenance shut-downs
- For use with padlocks or hasps



### Shaft Extensions

- Different materials and lengths are available
- Several designs:
  - with no housing for indoors
  - with waterproofed PVC housing for indoors or outdoors
  - with stainless steel housing for buried or actuated services



### OTHER ACCESSORIES

- Low Torque Flange Gaskets



### Chain Wheel Operator

- For overhead operation, with 7' of chain drop
- Cast iron standard, stainless steel is also available



### VACUUM RATING

- 29.9 inches mercury

### SAMPLE SPECIFICATION

1. All PVC Gate Valves 1-1/2" to 14" are to be Chemline CGA Series or equal with a one-piece moulded PVC body flanged to ANSI 150. Valve material shall be PVC with cell classification 12454-A as per ASTM D-1784. Cylindrical disc shall be polypropylene and o-ring seals EPDM.
2. PVC valves with EPDM or FKM (Viton®) seals shall be certified under NSF/ANSI Standard 61 for contact with drinking water.

### ORDERING EXAMPLE

Chemline CG Series Flanged Gate Valves	CG	A	060	E		
Body	A – PVC					
Size	015 – 1-1/2"	020 – 2"	025 – 2-1/2"	030 – 3"	040 – 4"	050 – 5"
	060 – 6"	080 – 8"	100 – 10"	120 – 12"	140 – 14"	
Seals	E – EPDM	V – FKM (Viton®)				

**Example:** Chemline CG Series Flanged Gate Valve, PVC, 6", with EPDM seals.