Gate Valves

The Chemline CGA 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. The plastic disc is not subject to erosion by high fluid velocities, and the fully guided plug disc will not chatter. This valve is an excellent choice for underground services.

CHEMLINE Plastics Limited

Your Pipeline To Quality

PVC

SERIES: CGA

SIZES: 1-1/2" – 14"

ENDS: Flanged

SEALS: EPDM

Full Port

No Water Hammer

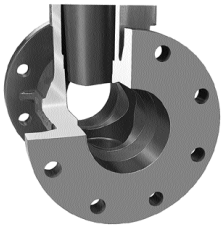
Ideal for Underground Service

Features

- **Light Weight - Fast and easy to install**
- **AWWA Flanged Face to Face Dimensions** in sizes up to 8". Can easily replace corroded steel valves.

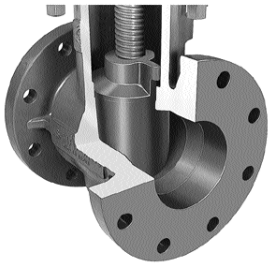
Streamlined Seating Area and Full Port

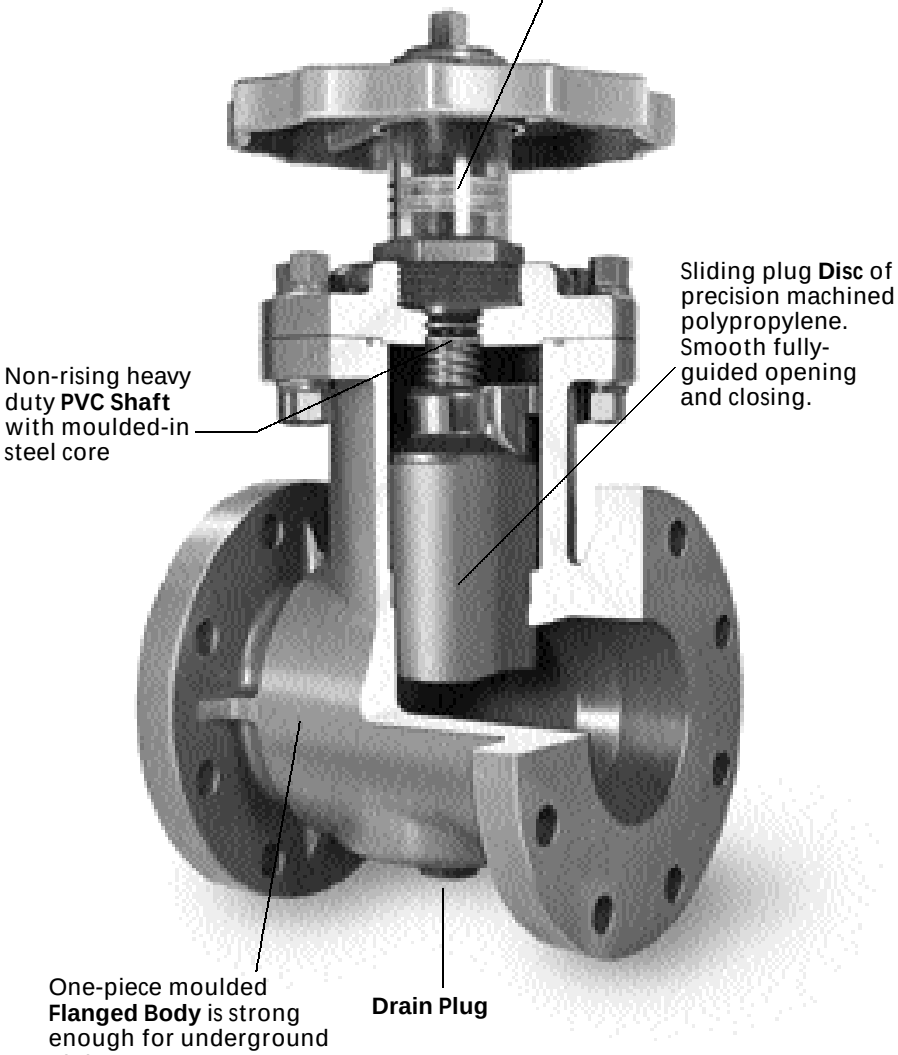
- Low Pressure Drop
- Little Sediment Buildup – Self Flushing



Cylindrical Disc and Large Seating Area

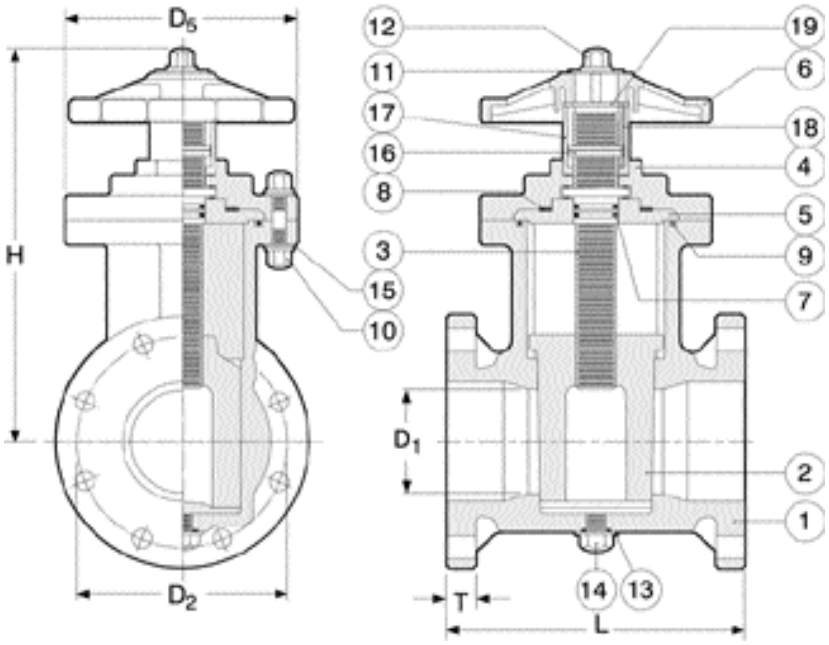
- High Working Pressures
- Good Abrasion Resistance





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Gate Valves



PARTS

▲Recommended 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
8▲	Thrust Ring	2	Teflon® 1-1/2"– 6"
8▲	Thrust Bearing	2	8"-14"
9▲	Bonnet O-Ring	1	EPDM
10	Bolt & Nut	Set	Stainless Steel
11	Washer	1	PVC 1-1/2" – 6"
12	Handwheel Nut	1	PVC
13	Gasket	1	EPDM
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

DIMENSIONS INCHES

NET WEIGHTS

WORKING PRESSURES PSI C_V VALVES

Size	D_1	D_2	n	e	D_5	L	H	T	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	1000
6"	5.12	9.51	8	0.87	10.63	10.50	17.52	1.06	18.2	40.	150	1400
8"	6.61	11.75	8	0.87	12.20	11.50	22.72	1.10	30.0	66.	150	2900
10"	8.27	14.25	12	0.98	14.17	14.96	27.17	1.18	52.5	116.	110	3700
12"	10.04	17.01	12	0.98	16.14	15.75	31.50	1.22	66.5	147.	70	5200
14"	11.69	18.74	12	1.14	17.91	16.93	35.82	1.26	80.0	187.	70	7000

Max. Temp. 60°C (140°F)

SAMPLE SPECIFICATION

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.

VACUUM RATING

- 29.9 inches mercury

ORDERING EXAMPLE

Chemline PVC Flanged Gate Valve						CGA	060
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"		

ACCESSORIES

- **2" Municipal Operating Nut**
- **Shaft Extension** made to any desired length
- **Chainwheel Operator**
- **Handwheel Lockout**
- **Limit Switches** NEMA 4 SPDT

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