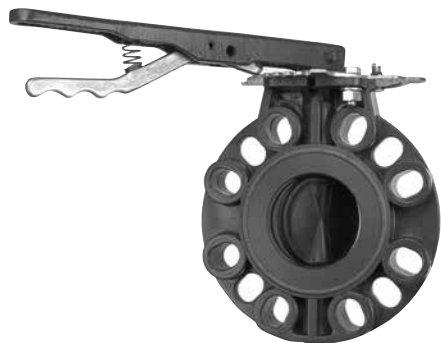


## PVC Butterfly Valves, Model C



### Features

- Rated at 150 psi with non-shock service at 73°F
- Available currently as a one-piece molded PVC body with EPDM trim the Model C Butterfly Valve is intended for general water applications and has also been successfully used to handle mild acidic solutions and medium concentrations of alkaline solutions
- Bolt hole pattern compatible with Class 150 ASME B16.5; BS 1560 class 150; DN 200 ISO 2084 PN 10; and DN 200 DIN 2532 PN 10
- Glass-filled PTFE bearing-bushings, extending almost the entire lengths of the upper and lower stems, transfer the hydraulic side load on the disk and evenly distributes it to the valve body to ensure low bearing stress with long, trouble-free operation.
- Rigid brass disk is encapsulated with EPDM, which is compressed to create the sealing mechanism for this butterfly valve.
- Built-in O-ring face-seals require no gaskets between mating flanges.
- A hole in the lever handle provides a blockage point for trigger lock operation, thus, locking the valve in the off position or any of the 9 increments of opening (10° each).
- This valve should not be used in aquatic center recirculation lines or water lines receiving chlorine gas or bleach injection
- Black graphite and fluorocarbon lubricant is used to assemble Model C butterfly valves.

### Construction Materials

Part	Material
1. Upper Stem	416 Stainless Steel
2. Upper Bushing	Glass-Filled PTFE
3. O-Ring Stem Seal (2 required)	EPDM – Upper and Lower Stem
4. Body	PVC
5. Disk	EPDM Encapsulated Ductile Iron
6. Lower Bushing	Glass-Filled PTFE
7. Lower Stem	416 Stainless Steel
8. Plug	LDPE (Polyethylene)
9. O-Ring Face-Seal (2 required)	EPDM
10. Snap Ring (2 required)	Zinc Plated Steel
11. Lever Handle Assembly	
Handle w/Lever Lock	Malleable Iron
Throttling Plate	Zinc Plated Steel
Position Lock	Zinc Plated Steel

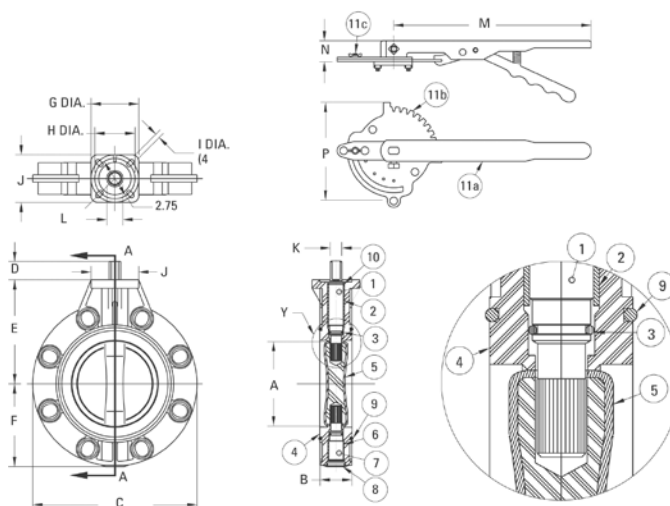
### C<sub>v</sub> Table

Size	Degrees Open								
	10°	20°	30°	40°	50°	60°	70°	80°	90°
2	2.5	8	18	33	50	73	100	131	166
2 1/2	3.7	12	27	49	74	109	148	195	247
3	4.3	16	35	62	94	135	180	235	290
4	8.6	34	76	137	215	310	420	550	690
6	17.5	67	200	265	410	580	790	1040	1340
8	20.8	83	190	320	530	770	1060	1380	1780
10	50.0	195	430	775	1200	1775	2700	3100	4000

### Dimensions–Weights

Valve Size	A	B	C	D	E	F	G	H	I	J	K	L	M	Handle N	P	Approx. <sup>1</sup> Wt./Lbs.
2	1.94	1.69	6.41	1.25	3.94	3.29	3.25	2.75	0.44	3.26	0.37	0.50	10.50	1.01	6.19	2.02
2 1/2	2.44	1.81	7.19	1.25	4.13	3.63	3.25	2.75	0.44	3.26	0.37	0.50	10.50	1.01	6.19	2.56
3	2.87	1.81	7.75	1.15	4.43	3.91	3.25	2.75	0.44	3.26	0.37	0.50	10.50	1.01	6.19	2.92
4	3.82	2.06	9.08	1.25	5.31	4.57	3.25	2.75	0.44	3.26	0.50	0.65	10.50	1.01	6.19	5.04
6	5.76	2.20	11.22	1.25	7.09	5.64	3.25	2.75	0.44	3.26	0.56	0.78	13.75	1.01	6.19	8.99
8	7.74	2.36	13.66	1.25	8.00	6.83	3.25	2.75	0.44	3.26	0.56	0.78	13.75	1.01	6.19	14.27
10	9.57	2.68	16.49	1.25	9.84	8.40	5.00	4.01	0.56	4.76	0.74	1.06	13.75	1.01	6.19	27.70

1 Operator not included in weight.



### Chemtrol Figure Numbers

Disk Material	Operating Mechanism	2" – 10" Figure No. <sup>1</sup>
EPDM	Lever Handle <sup>2</sup>	W45BG-E-3
	Gear Operator	W45BG-E-5

<sup>1</sup> 10" is available with gear operator only.

<sup>2</sup> Includes throttle plate and lock.