

SPECIFICATIONS

FIGURE 721A

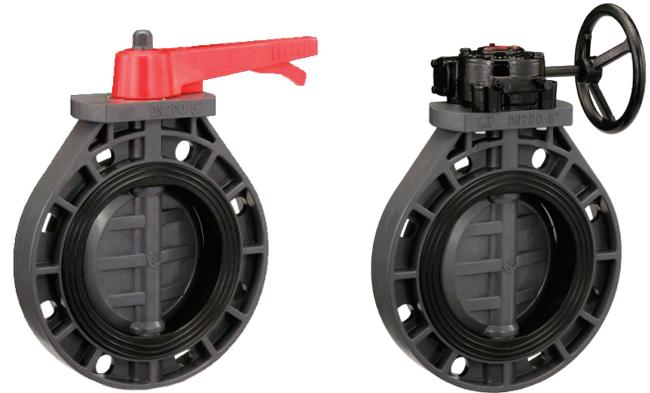
THERMOPLASTIC VALVES



WAFER STYLE BUTTERFLY VALVE

FEATURES

- Compact design
- Pressure rating
 - 150 psi @ 73°F (2"–10")
 - 100 psi @ 73°F (12")
- Temperature range: 41°F–122°F (5°C–50°C)
- EPDM or FPM (Viton®) seat/seals
- Wafer style with guide holes drill to 125/150# flanges
- Bubble tight shutoff
- Ideally suited for limited piping spaces
- Lever operated
 - 6 position latch (2"–4")
 - 7 position latch (6"–8")
- Gear operated (8"–12")
- Not suitable for automation



Lever Operated

Gear Operated

FIGURE NUMBER MATRIX

FNW 721A		
SEAT/SEALS	OPERATOR (IN.)	SIZE CODE (IN.)
EPDM = E	Lever (2–8) = Blank	2 = K
FPM (Viton®) = V	Gear (8–12) = G	2-1/2 = L
		3 = M
		4 = P
		5 = S
		6 = U
		8 = X
		10 = 10
		12 = 12

CV & WEIGHTS

Size (in.)	CV	Wt (lbs)
2	100	2.98
2-1/2	265	3.68
3	390	4.23
4	500	6
5	660	9.55
6	1160	11.27
8	1995	16.58
Gear Operated		
8	1995	30.47
10	3570	39.76
12	5048	84.47

PRESSURE/TEMPERATURE

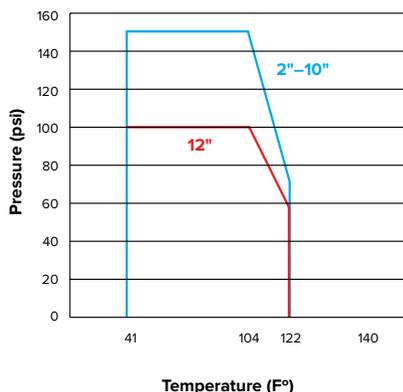


FIGURE 721A

THERMOPLASTIC VALVES



WAFER STYLE BUTTERFLY VALVE

REFERENCE CHART

Dimensions (in.)														
Size	D1	D2	D3	øe	n	L	L1	D4	H1	H2	H3	I	K	D5
2-1/2	2.74	5.37	7.28	0.75	4	1.57	1.83	5.05	3.62	4.57	2.48	10.67	7.95	3.76
3	3.07	5.97	7.72	0.75	4	1.58	1.77	5	3.86	4.84	2.48	11.18	7.95	3.76
4	3.94	7.16	8.85	0.75	8	1.89	2	5.27	4.43	5.49	2.68	12.6	9.96	3.94
5	5.04	8.36	10	0.91	8	2.11	2.32	6.67	5	6.3	3.35	14.65	11.69	3.97
6	5.98	9.44	11.26	0.91	8	2.01	2.24	6.69	5.63	7	3.39	16.02	11.69	3.98
8	7.87	11.75	13.54	1.02	8	2.4	2.68	7.52	6.77	8.35	3.39	18.5	11.69	4.31
Gear Operated														
8	7.87	11.75	13.54	1.02	8	2.4	2.68	7.09	6.77	8.35	2.91	18.03	7.6	5.53
10	9.84	14.25	16.18	1	12	4.016	4.252	7.09	8.09	9.45	2.91	20.45	7.6	5.53
12	12.2	17	19.45	1	12	4.724	4.961	12.01	9.72	11.89	4.05	25.66	8.47	8.74

PARTS DIAGRAM

**2"-8"
Lever
Operated
Only**

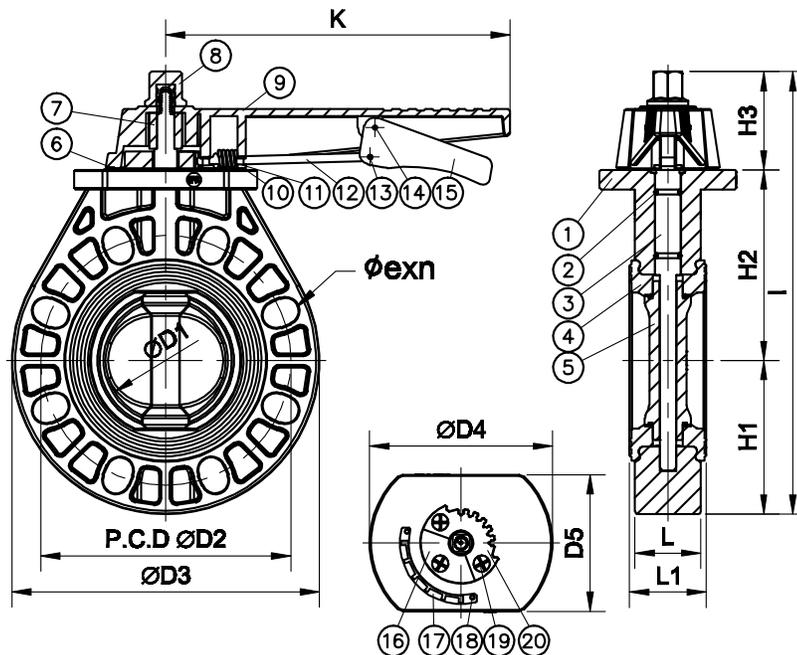


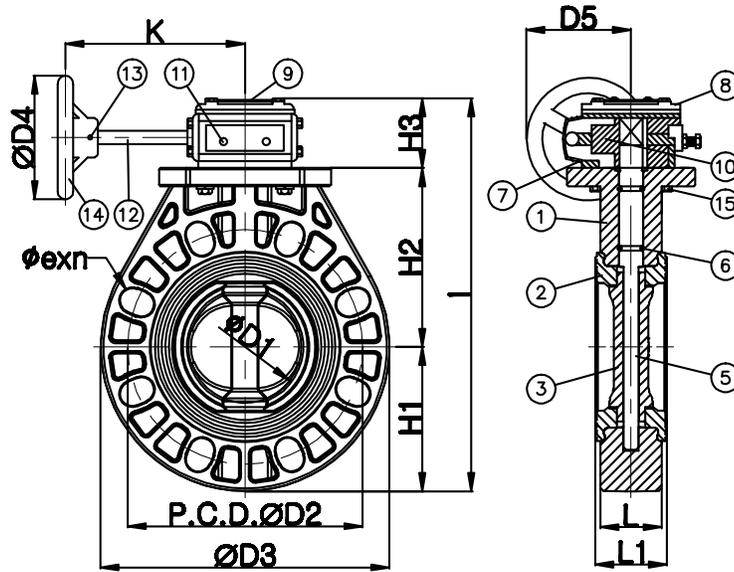
FIGURE 721A

THERMOPLASTIC VALVES



WAFER STYLE BUTTERFLY VALVE

8" Gear
Operated
Only



10"–12"
Gear
Operated
Only

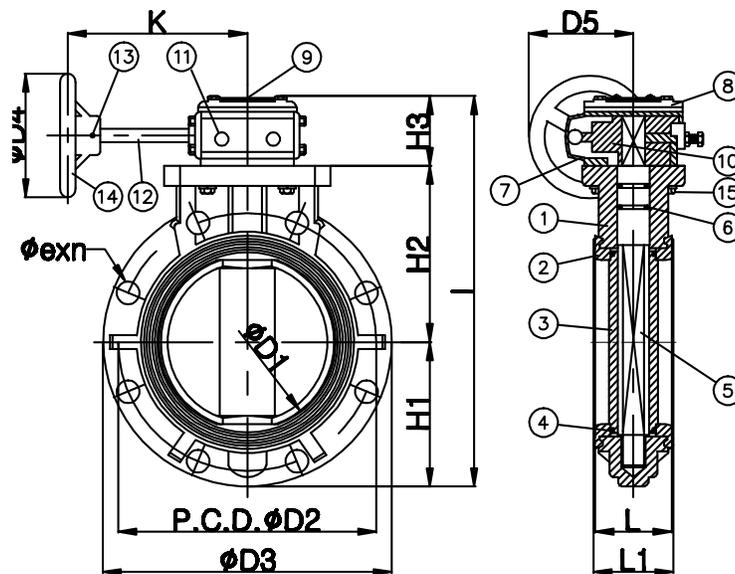


FIGURE 721A

THERMOPLASTIC VALVES



WAFER STYLE BUTTERFLY VALVE

PART MATERIALS & QUANTITY (Lever Operator Only)

Ref #	Description	Material		Qty
		EPDM Seat	Viton® Seat	
1	Body	PVC		1
2	Stem O-Ring	EPDM	FKM (Viton®)	2
3	Stem	SUS410		1
4	Seat	EPDM	FKM (Viton®)	1
5	Disc	PVC		1
6	Bolt	Brass		3
7	Handle Insert	FC-0208		1
8	Stem Bolt	Brass-Coated PVC		1
9	Handle	ABS		1
10	Handle Cap	ABS		1
11	Spring	SUS304		1
12	Lever	SUS304		1
13	Setpin (Short)	SUS304		1
14	Setpin (Long)	SUS304		1
15	Lever	ABS		1
16	Positioner	PVC		1
17	Indicator	SUS304		1
18	Bolt	SUS304		2
19	Bolt	SUS304		3
20	Teeth Plate	SUS304		1

PART MATERIALS & QUANTITY (Gear Operator Only)

Ref #	Description	Material		Qty
		EPDM Seat	Viton® Seat	
1	Body	PVC		1
2	Seat	EPDM	FKM (Viton®)	1
3	Disc	PVC		1
4	Disc O-Ring	EPDM	FKM (Viton®)	2
5	Stem	SUS410		1
6	Stem O-Ring	EPDM	FKM (Viton®)	2
7	Gear Box	FC200		1
8	Gear Box Cap	FC200		1
9	Indicator Plate	FCD450		1
10	Gear	FCD450		1
11	Adjustable Bolt	Steel		2
12	Gear Shaft	Carbon Steel		1
13	Set Pin	Steel		1
14	Hand Wheel	Cast Steel		1
15	Tightening Bolt	SUS304		4