

Butterfly Valve

Model: GD-381X/GD-381Y

Butterfly Valve c/w Signal Gearbox – Grooved End

Technical Features

- Conforms: ANSI / AWWA C606 or Metric Standard Clear Waterway design
- Connection: Grooved End
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300 PSI (Maximum Testing Pressure: 600 PSI) conforms to UL1091 & ULC / ORD-C1091 & FM 1112
- Maximum Working Temperature: 80°C / 176°F
- Application: Indoor & Outdoor Use, Fire inflow water, drain pipe, high-rising building fire fighting system, industrial factory building fire protection system
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Disc: Ductile Iron EPDM Rubber Encapsulated
- Top Flange Standard: ISO 5211
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

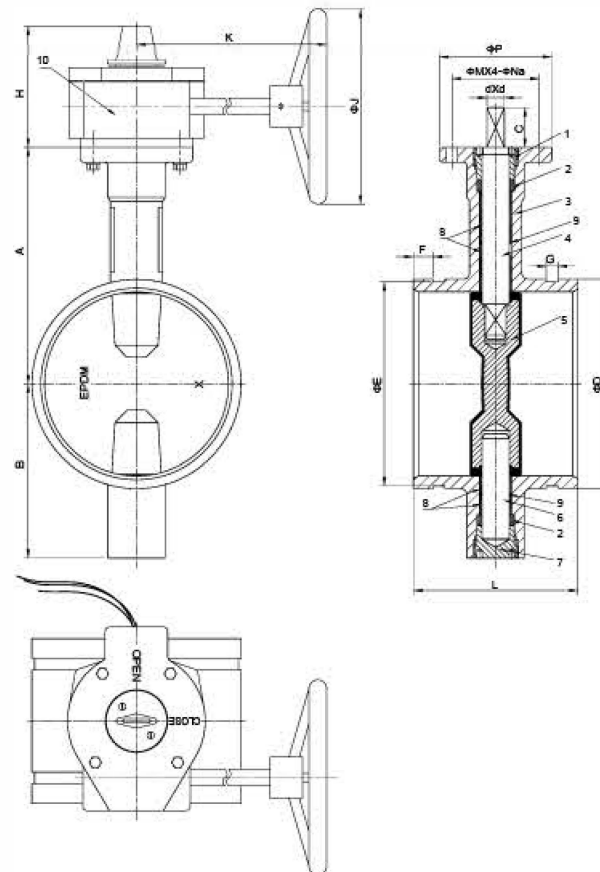


Valve Material List

NO.	Description	Material
1	Upper Shaft Sealing Nut	WCB
2	Shaft Seal	EPDM
3	Body	Ductile Iron
4	Upper Shaft	416 Stainless Steel
5	Disc+Rubber Seat	Ductile Iron+EPDM
6	Lower Shaft	416 Stainless Steel
7	Lower Shaft Sealing Nut	WCB
8	Stem Bushing	PTFE / C95400
9	O-Ring	EPDM
10	Gearbox	

Dimensions

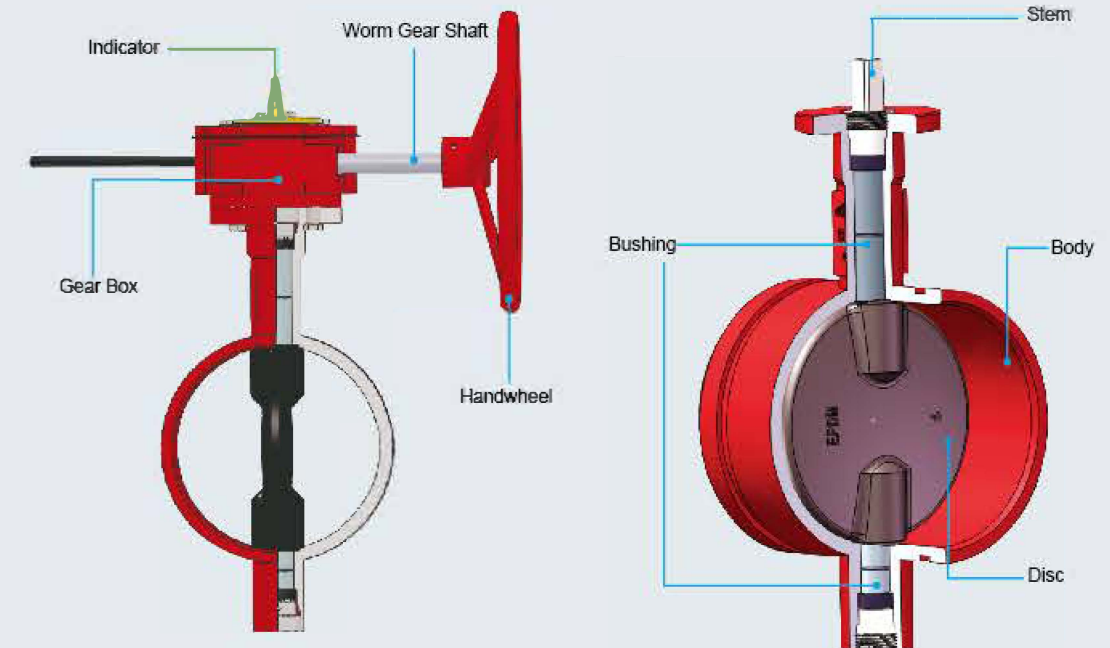
Size	A	B	C	D	E	F	G	H	K	J	P	M	N	d	L	
2"	110	85	32	60.3	57.15	15.9	7.9	111	153	218	152	90	70	9	10	81.86
2½"	125	95	32	73.76.1	69.172.3	15.9	7.9	111	153	218	152	90	70	9	10	96.4
3"	140	100	32	88.9	84.9	15.9	7.9	111	153	218	152	90	70	9	11	97
4"	160	100	32	114.3	110.1	15.9	9.5	111	153	218	152	90	70	9	14	115.1
5"	170	125	32	139.7	135.5	15.9	9.5	111	153	218	152	90	70	9	14	132.4
				141.3	137											148
6"	190	140	32	165.1	160.9	15.9	9.5	111	153	218	200	90	70	9	16	132.4
				168.3	164											148
8"	230	175	32	219.1	214.4	19	11.1	126	210	232	300	125	102	12	19	133
				216.3	211.6											147.4
10"	260	200	45	267.4	262.6	19	12.7	126	210	232	300	125	102	12	24	159
				273	268.3											
12"	300	240	45	318.5	312.9	19	12.7	161	249	350	150	125	14	26		165
				323.8	318.3											



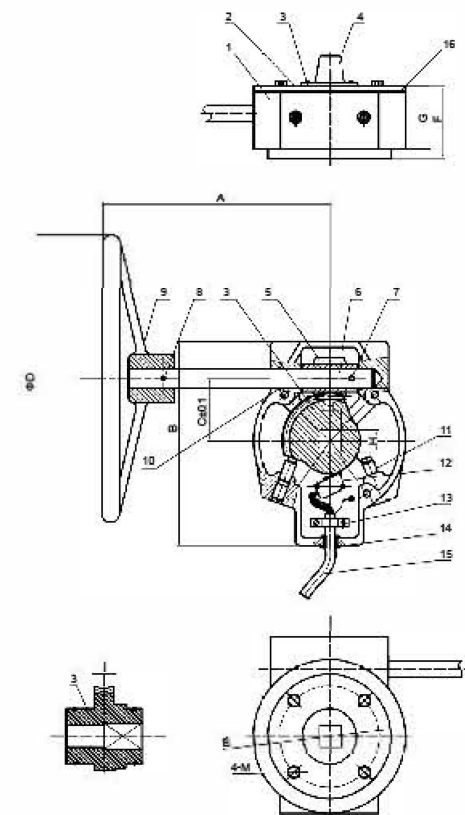
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3D Pictures



Gearbox Drawing



Gearbox Material List

NO.	Description	Material
1	Gear Body	Ductile Iron
2	Gear Cover	Ductile Iron
3	Worm Wheel	Ductile Iron
4	Indicator	Ductile Iron
5	Worm	Steel
6	Handwheel Shaft	Steel
7	Pin	416 Stainless Steel
8	Pin	416 Stainless Steel
9	Handwheel	Ductile Iron
10	O-Ring	EPDM
11	Set Screw	Steel
12	Signal Switch	Switch Assembly
13	Clip	Nylon
14	Sealing Ring	EPDM
15	Wire	Wire
16	Gasket	EPDM

Dimensions

Gearbox	Valve	A	B	C	D	E	F	G	H	M	
24:1	2"-2½"	153	218	164	45	152	70	65	58	10	M8
24:1	3"	153	218	164	45	152	70	65	58	11	M8
24:1	4"-5"	153	218	164	45	152	70	65	58	14	M8
24:1	6"	153	218	164	45	200	70	65	58	16	M8
30:1	8"	210	232	205	63	300	102	79	67	19	M10
30:1	10"	210	232	205	63	300	102	79	67	22	M10
80:1	12"	249	284	120	350	125	118	110	24		M12