

Butterfly Valve Groove Type

Model TF-BFV-G-UF

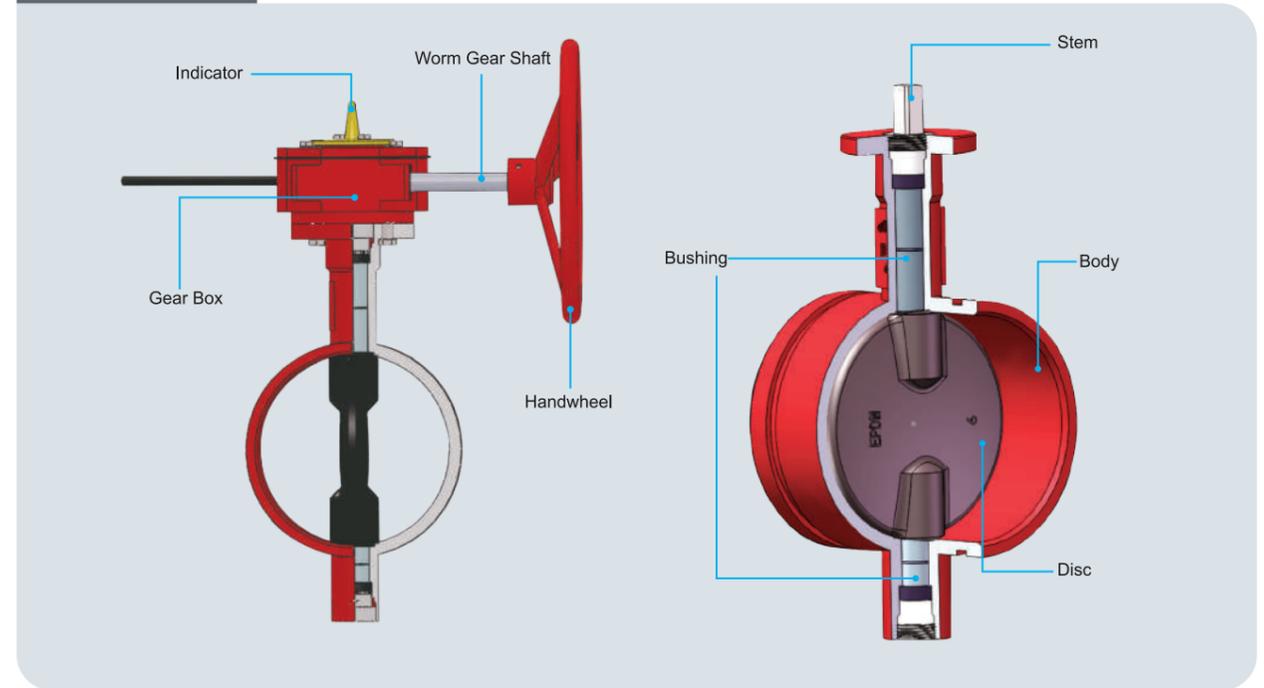
Butterfly Valve c/w Signal Gearbox – Grooved End

Technical Features

- Groove Standard: ANSI/AWWA C606 or Metric Standard
- Clear Waterway design
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, FM
- Maximum Working Pressure: 300 PSI
- Maximum Testing Pressure: 600 PSI
- Pressure conforms to UL1091 & ULC / ORD-C1091 & FM 1112
- Working Temperature Range: 0~80°C / 32~176°F
- Coating Details: Epoxy coated or coating upon request
- Ductile iron disc– EPDM Encapsulated
- Top Flange Standard: ISO 5211
- Application: Indoor & Outdoor Use, Fire inflow water, drain pipe, high-rising building fire fighting system, industrial factory building fire protection system



3D Pictures

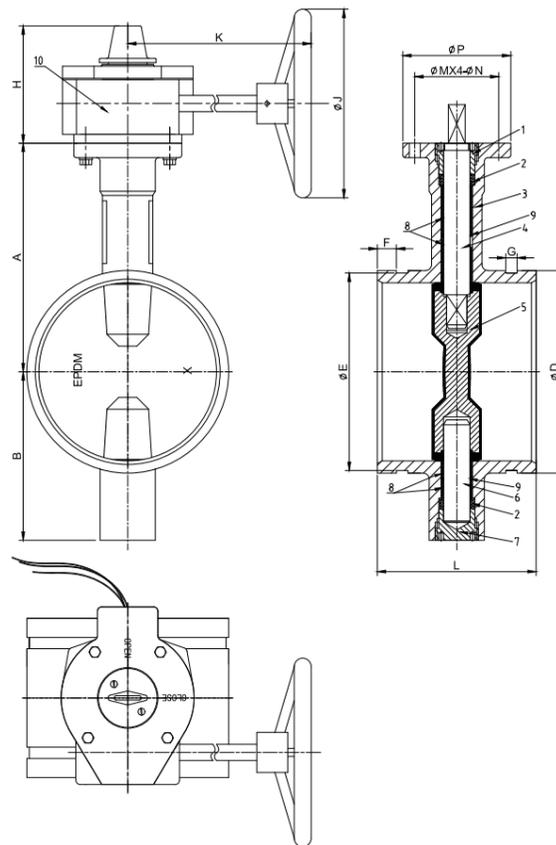


Valve Material List

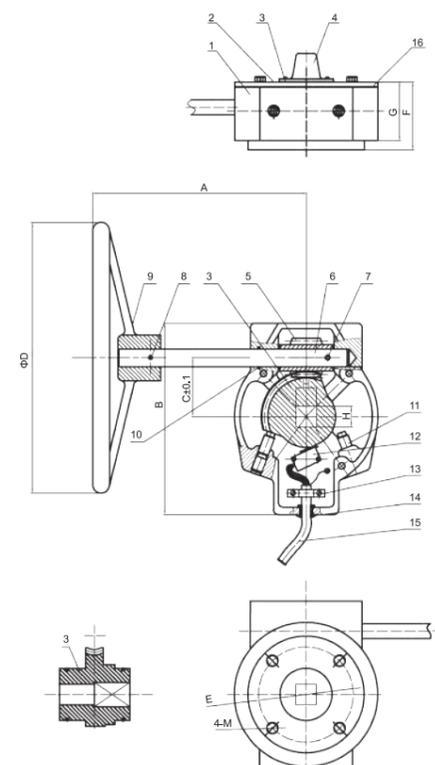
NO.	Description	Material
1	Upper Shaft Sealing Nut	WCB
2	Shaft Seal	EPDM
3	Body	Ductile Iron
4	Upper Shaft	416 Stainless Steel
5	Disc+Rubber Seat	Ductile Iron+EPDM
6	Lower Shaft	416 Stainless Steel
7	Lower Shaft Sealing Nut	WCB
8	Stem Bushing	PTFE / C95400
9	O-Ring	EPDM
10	Gearbox	

Dimensions

Size	A	B	C	D	E	F	G	H	K	J	P	M	N	d	L		
2"	110	85	36	60.3	57.15	15.9	7.9	111	153	218	127	86	90	70	9	10	81 88
2½"	125	95	32	73 76.1	69.1 72.3	15.9	7.9	111	153	218	152	90	70	9	10	10	96.4
3"	140	100	32	88.9	84.9	15.9	7.9	111	153	218	152	90	70	9	11	11	97
4"	160	100	32	114.3	110.1	15.9	9.5	111	153	218	152	90	70	9	14	14	115.1
5"	170	125	32	139.7 141.3	135.5 137	15.9	9.5	111	153	218	152	90	70	9	14	14	132.4 148
6"	190	140	32	165.1 168.3	160.9 164	15.9	9.5	111	153	218	200	90	70	9	16	16	132.4 148
8"	230	175	32	219.1 216.3	214.4 211.6	19	11.1	126	210	232	300	125	102	12	19	19	133 147.4
10"	260	200	63	267.4 273	262.6 268.3	19	12.7	161	249	350	125	102	12	30.5	159		
12"	300	240	77	318.5 323.8	312.9 318.3	19	12.7	161	249	350	150	125	14	33	165		



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	