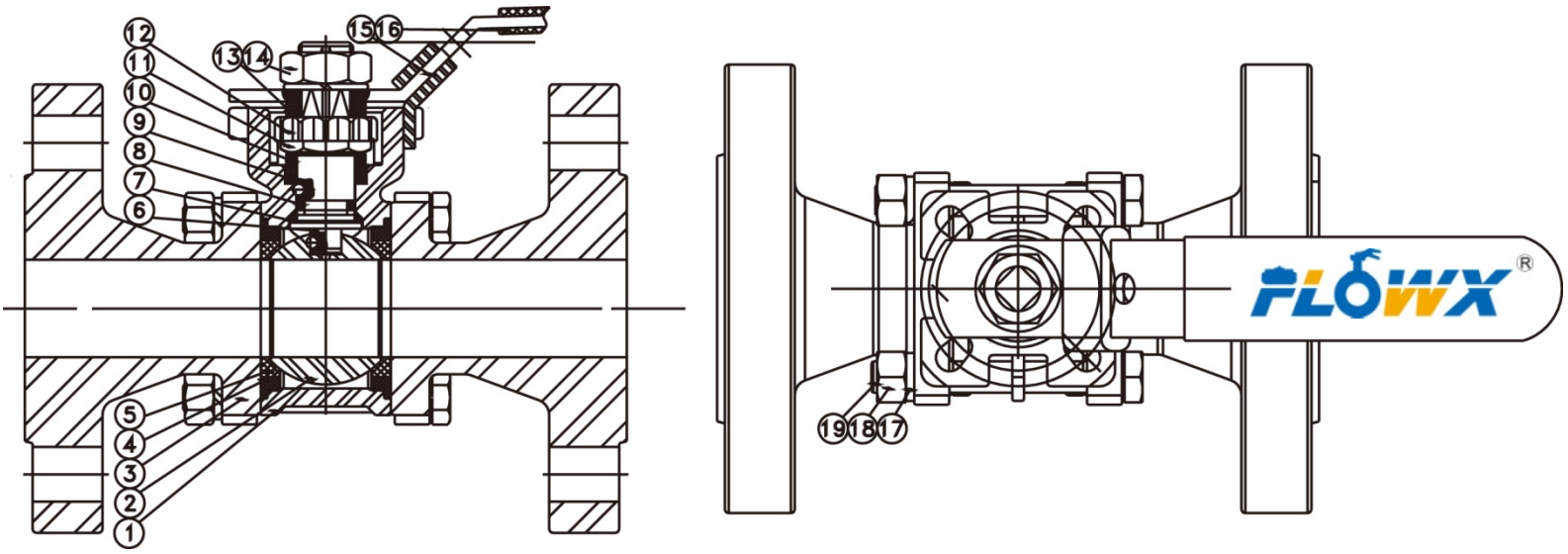
Stainless Steel Ball Valve Series

FULL PORT 3PC STAINLESS STEEL BALL VALVE

Feature

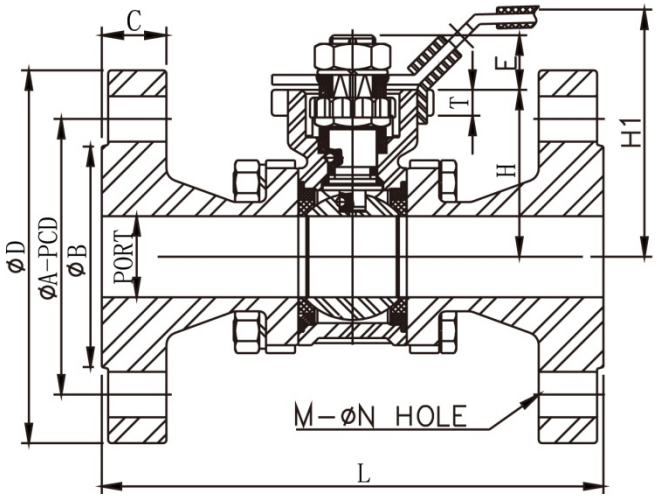
- FLOWX 3-piece ball valve is designed for most of the industrial pipe line as full port product.
- Size:1/4"~4"
- Working pressure:1000PSI
- Threaded End: Optional BSPT、NPT、DIN2999
- Female Threaded End、Clamp End、Flange End、Butt Weld End and Socket Welded End.
- (Optional) Locking device Handle
- FLOWX VALVE Different material of soft kits will be applicable for different working circumstance

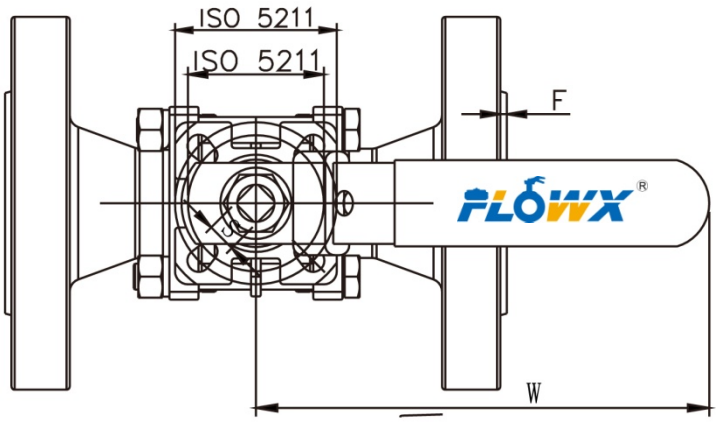
Flange End Material List



NO.	PART NAME	MATERIAL	NO.	PART NAME	MATERIAL
1	Body	CF8M/CF8/CF3M/CF3	11	Stem nut	SS304
2	Bell	CF8M/CF8/CF3M/CF3	12	Crown washer	SS304
3	End cap	CF8M/CF8/CF3M/CF3	13	Locking pad	SS304
4	Body seal	PTFE/RTFE/PEEK	14	Handle nut	SS304
5	Seal	PTFE/RTFE/PEEK	15	Handle	SS304
6	Stem	SS316	16	Handle cover	PLASTIC
7	Stem packing	PTFE/RTFE/PEEK	17	Bolt washer	SS304
8	O-ring	RUBBER	18	Bolt nut	SS304
9	Thrust washer	PTFE/RTFE/PEEK	19	Bolt	SS304
10	Plunger spring	SS304			

Flange End Dimension List





SIZE	PORT	L	H	H1	W	A	B	C	D	F	M	N	T	S	E	ISO 5211	N.m
1/2″	15	130	35	64	130	65	45	16	95	2	4	14	6	9	10	F03 PCD36 Φ6×4 F04 PCD42 Φ6×4	5.5
3/4″	20	150	39	70	130	75	58	18	105	2	4	14	6	9	10	F03 PCD36 Φ6×4 F04 PCD42 Φ6×4	5.5
1″	25	160	50.5	95	165	85	68	18	115	2	4	14	8	11	12	F04 PCD42 Φ6×4 F05 PCD50 Φ7×4	11.8
1-1/4″	32	180	55.5	98	165	100	78	18	140	2	4	18	8	11	12	F04 PCD42 Φ6×4 F05 PCD50 Φ7×4	14.2
1-1/2″	38	200	66	100	190	110	88	18	150	2	4	18	10	14	16	F05 PCD50 Φ7×4 F07 PCD70 Φ9×4	19
2″	50	230	68.1	108	190	125	102	20	165	2	4	18	10	14	16	F05 PCD50 Φ7×4 F07 PCD70 Φ9×4	23.7
2-1/2″	65	290	93.5	145	250	145	122	22	185	2	8	18	12	17	19	F07 PCD70 Φ9×4 F10 PCD102 Φ11×4	31.6
3″	76	310	104	160	250	160	138	24	200	2	8	18	12	17	19	F07 PCD70 Φ9×4 F10 PCD102 Φ11×4	55.4
4″	100	350	112	182	290	190	162	24	235	2	8	22	12	22	24	F10 PCD102 Φ11×4	71.2

Electric Full Port Stainless Steel Ball Valve

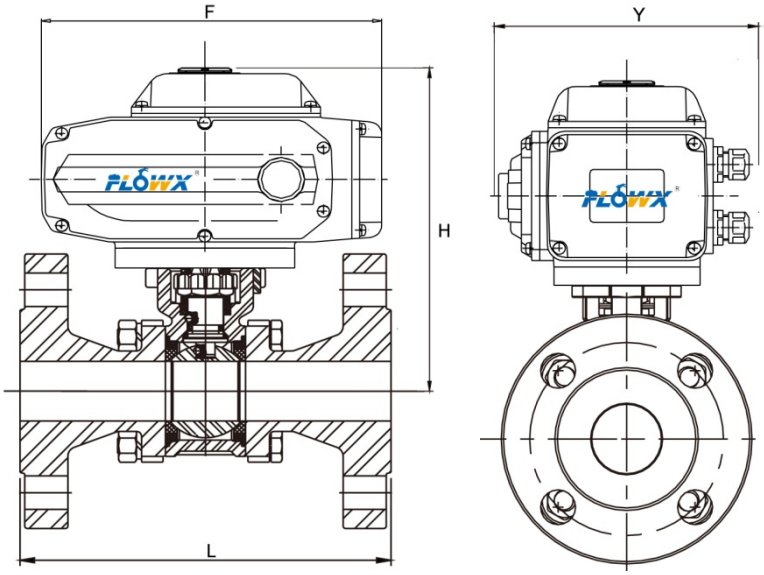
FLOWX Electric Actuator, with Butterfly Valves, Ball Valves, rotary valve drive

General:

- Power supply:220V/380/110 50Hz AC; 24V AC/DC
- Enclosure: IP67
- Temperature: -20° C / +70° C
- Travel angle: 90°
- Visible position indicator
- Connections: ISO 5211 for brackets

Option:

- Positioned : 4 - 20mA
- Potentiometer: 1 kΩ - 10 kΩ
- Battery backup: 1 phase 50/60 Hz, on-off

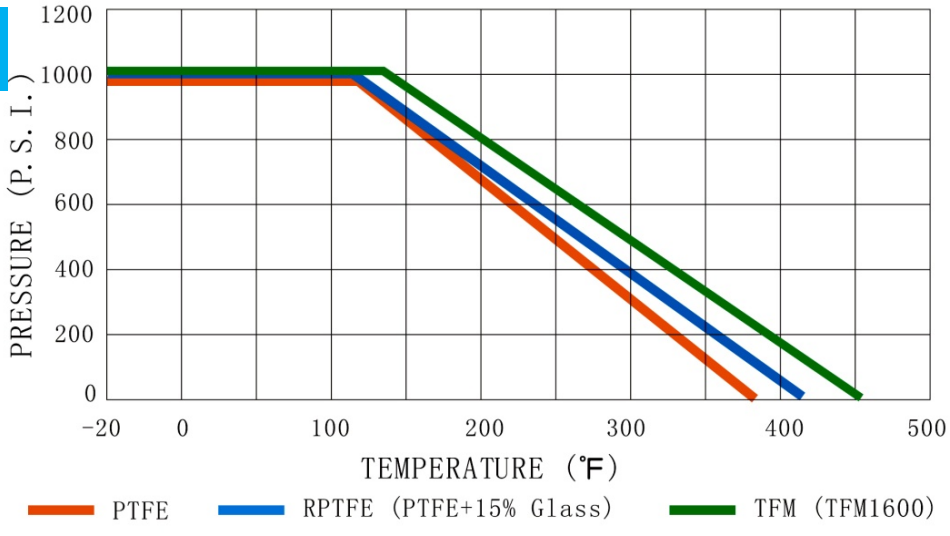


Suggestion!

1. As dismantle the ball valve, don't forget to replace new Repair Kits, especially the gasket to prevent from leaking.
2. PTFE is better than RPTFE (+15% Glass) as operate the valve by actuator, for Glass fiber will hurt the ball and cause the torque value increasing after over 500 times operation. Another good option is TFM or PTFE+25% Carbon.
3. Before welding the valves, make sure the ends were dismantled. And welding the dismantled ends. After all the ends be cool, assemble the ends & use new gasket to prevent from leaking.

ITEM / SIZE	1/2″	3/4″	1″	1 1/4″	1 1/2″	2″	2 1/2″	3″	4″
L	130	150	160	180	200	230	290	310	350
H	159	163	174.5	179.5	190	202.1	264.5	275	283
F	160	160	160	160	160	198	255	255	255
Y	116	116	116	116	116	125	158	158	158

PRESSURE/ TEMPERATURE



Pneumatic Full Port Stainless Steel Ball Valve

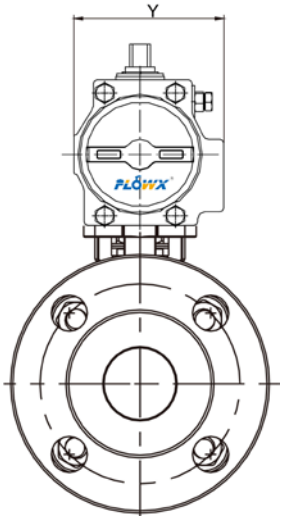
FLOWX Pneumatic Actuator, with Butterfly Valves, Ball Valves, rotary valve drive

General:

- Rotation angle: 0° to 90°. Adjustable +5° to -5°
- Pressure: 4 to 10 bar Air supply: 1/4" - BSPP
- Temperature: -20℃. to +80℃.
- Work media: Air
- Connections: ISO 5211 for brackets
- Surface material: Hard anodised - 40μ

Options:

- Rotation angle: 120° and 180°.
- Material: Body in stainless steel PTFE coated surface
- Temperature: -20° C. to +150° C.



Suggestion!

1. As dismantle the ball valve, don't forget to replace new Repair Kits, especially the gasket to prevent from leaking.
2. PTFE is better than RPTFE (+15% Glass) as operate the valve by actuator, for Glass fiber will hurt the ball and cause the torque value increasing after over 500 times operation. Another good option is TFM or PTFE+25% Carbon.
3. Before welding the valves, make sure the ends were dismantled. And welding the dismantled ends. After all the ends be cool, assemble the ends & use new gasket to prevent from leaking.

ITEM / SIZE	1/2″	3/4″	1″	1 1/4″	1 1/2″	2″	2 1/2″	3″	4″
L	130	150	160	180	200	230	290	310	350
H	185	206	216	241	267	301	327	372	407
F	138	162	162	162	208	245	266	310	310
Y	71	80.5	80.5	80.5	94.5	109	123	137	137

PRESSURE/ TEMPERATURE