

## Ball Valves in cast 316 SS 2-way, 3-piece construction



- 1000/800/600 PSI WOG
- US Clamp and US Tube Weld End
- Full port to US OD Tube
- Semi lugged body
- Range of seal and cavity filler options
- Blow-out proof stem with self adjust packing
- ISO 5211 direct actuator mount

Type 2654 can be combined with...



**Stem Extensions**  
Fugitive Emmissions  
Bonnet



**Type 2051**  
Pneumatic rotary  
actuator



**Type 3003**  
Electric rotary actuator



**Type 3004**  
Electric explosion  
proof actuator



**Type 3005**  
Electric rotary actuator



**Type 8792**  
Positioner

This Burkert ball valve design is an industry proven three piece investment cast body with PTFE/FKM sealing. It finds wide use in fluid media while offering higher cycle life and reduced torque. The self-adjusting packing gland is a dual sealing type with an alignment collar for superior tightness.

The Type 2654 is automation ready with an ISO 5211 mounting pad for direct coupling of the actuator. A full range of actuators, pilots, digital positioners, feedback switches and bus network options are available for integration into plant control systems.

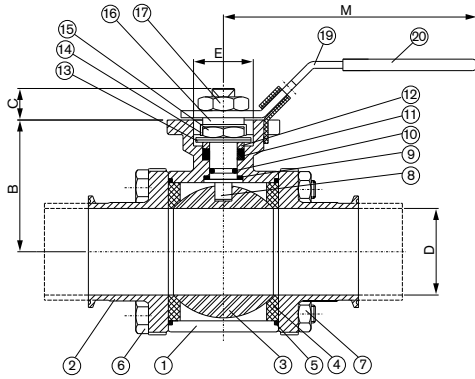
For maintenance, this design allows removal of all seals with just four bolts. The semi lugged body provides for easy re-assembly, without the debris pockets of enclosed bolt designs. The ball is full port style, presenting a  $C_v$  and pressure drop similar to an open line, without restriction to high flow CIP or entrained solids.

Technical data	
<b>Valve size</b>	1/2" to 4"
<b>Body materials</b>	CF8M (cast 316 SS)
Ball material	316 SS
Stem material	316 SS
<b>Port diameter class</b>	Full port to US OD Tube
<b>Ball seal material</b>	PTFE (others to application)
<b>Media</b>	Compatible with materials of construction and pressure/temperature limits of seals
<b>Viscosity</b>	As torque effect allows
<b>Packing gland</b>	Self-adjusting RPTFE, PTFE and FKM with 304SS guide/follower
<b>Media temperature</b>	-20°F to 375°F (PTFE), 450°F (TFM)
<b>End connections</b>	US Sanitary Clamp US OD Tube Weld End
<b>Installation</b>	As required
<b>Flow direction</b>	Seals to rated pressure in both directions
<b>Control option</b>	Size to conditions
<b>Pressure rating</b>	1000 PSI – 1/2" to 1" 800 PSI – 1 1/2" to 2" 600 PSI – 2 1/2" to 4"

### Ordering chart

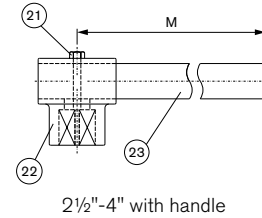
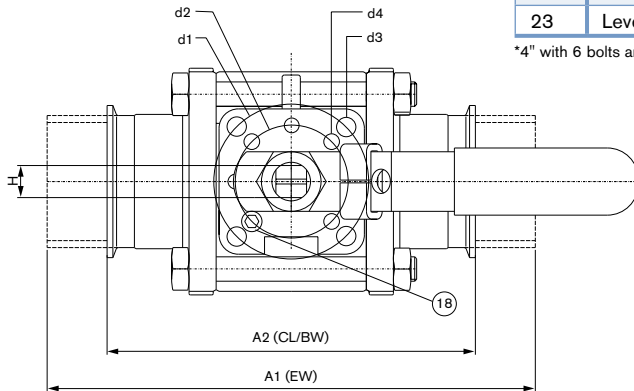
	Type	Pressure class	Design	Valve size	End connection	Body material	Seal material	Option
	EXAMPLE 2654	- 1000 -	- 2-way -	- 1" -	- OD Tube -	- CF8M -	- PTFE -	-

Dimensions [mm]

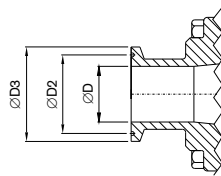


Item	Part Name	Materials	Options	Qty
1	Body	A351 Gr. CF8M	A351 GR. CF3M	1
2	End cap	A351 Gr. CF8M	A351 GR. CF3M	2
3	Ball	SS 316	SS 316L	1
4	Ball seat	PTFE	TFM1600	2
5	Gasket	PTFE	PTFE	2
6	Body bolt	SS 304	SS 304	4*
7	Body nut	SS 304	SS 304	4*
8	Stem	SS 316	SS 316L	1
9	Thrust washer	RPTFE	RPTFE	1
10	O-ring	FKM	FKM	1
11	Stem packing	PTFE	TFM	1 set
12	Gland washer	SS 304	SS 304	1
13	Disc washer	SS 301	SS 301	2
14	Nut stopper	SS 304	SS 304	1
15	Stem nut	SS 304	SS 304	1
16	Space washer	SS 304	SS 304	1
17	Handle nut	SS 304	SS 304	1
18	Stop pin	SS 304	SS 304	1
19	Handle	SS 304	SS 304	1
20	Sleeve	Plastic	Plastic	1
21	Set bolt	SS 304	SS 304	1
22	Lever head	CF8	CF8	1
23	Lever	Steel pipe	Steel pipe	1

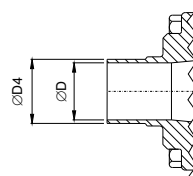
\*4" with 6 bolts and nuts



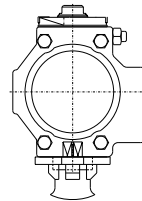
2 1/2"-4" with handle



Clamp end



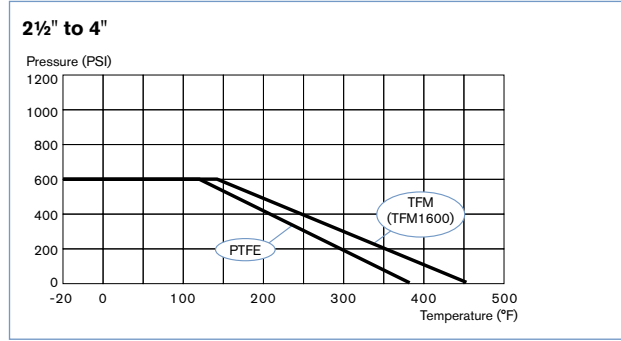
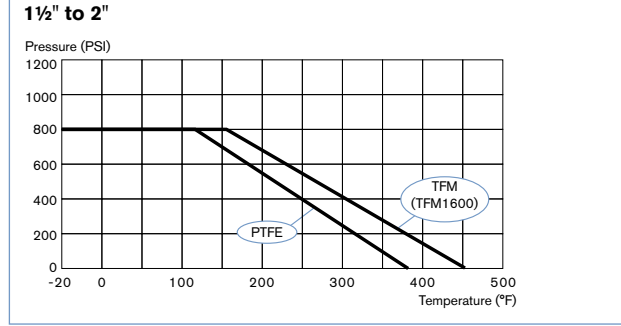
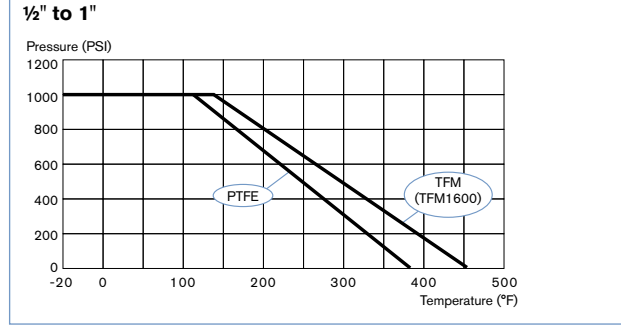
Tube weld end



ISO direct mount for directly assembling actuator.

Size	A1	A2	B	C	D	D2	D3	D4	d1	d2	d3	d4	E	H	M	ISO 5211 Pattern
1/2"	124.5	88.9	35	9.5	9.6	21.7	25	12.7	42	36	6.0	6.0	25	9	135	F03/F04
3/4"	142.2	101.6	39	9.5	15.8	21.7	25	19.05	42	36	6.0	6.0	25	9	135	F03/F04
1"	162.5	114.3	48	14	22.1	43.5	50.4	25.4	50	42	7.0	6.0	30	11	155	F04/F05
1 1/2"	182.8	139.7	61	18	34.8	43.5	50.4	38.1	70	50	9.2	7.0	35	14	205	F05/F07
2"	193.0	158.8	70	18	47.5	56.5	63.9	50.8	70	50	9.2	7.0	35	14	205	F05/F07
2 1/2"	254.0	171.5	90	22	60.2	70.5	77.4	63.5	102	70	11.3	9.0	55	17	290	F07/F10
3"	279.5	196.8	99	22	72.9	83.3	90.9	76.2	102	70	11.3	9.0	55	17	290	F07/F10
4"	304.8	241.3	131	26	97.3	110.3	118.9	101.6	125	102	13.5	11.3	70	22	335	F10/F12

Pressure-temperature limits



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