FLUID CONTROL SYSTEMS

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.

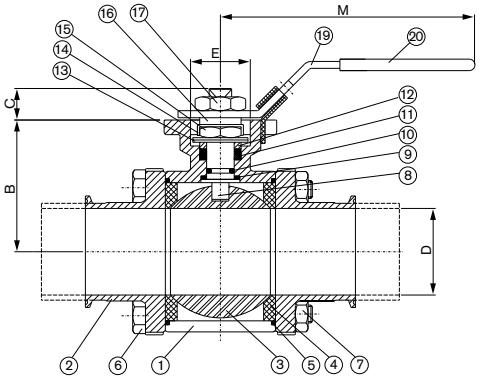
Technical data	
Valve size	½" to 4"
Body materials Ball material Stem material	CF8M (cast 316 SS) 316 SS 316 SS
Port diameter class	Full port to US OD Tube
Ball seal material	PTFE (others to application)
Media	Compatible with materials of construction and pressure/temperature limits of seals
Viscosity	As torque effect allows
Packing gland	Self-adjusting RPTFE, PTFE and FKM with 304SS guide/follower
Media temperature	-20°F to 375°F (PTFE), 450°F (TFM)
End connections	US Sanitary Clamp US OD Tube Weld End
Installation	As required
Flow direction	Seals to rated pressure in both directions
Control option	Size to conditions
Pressure rating	1000 PSI – ½" to 1" 800 PSI – 1½" to 2" 600 PSI – 2½" 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	–	

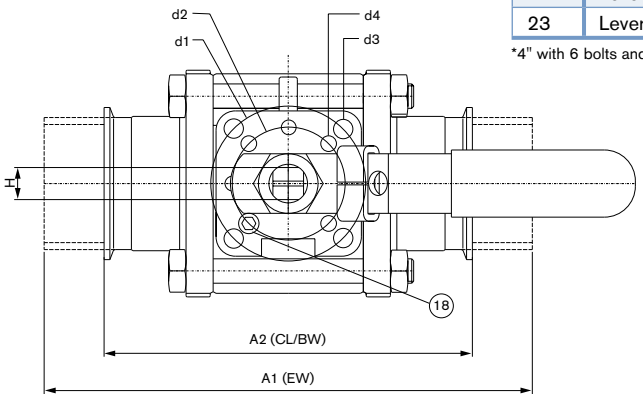
DTS 1000152218 EN Version: - Status: RL (released | freigegeben | validé) printed: 22.03.2011

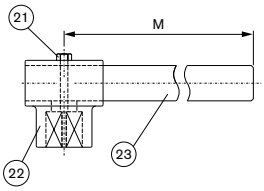
Dimensions [mm]



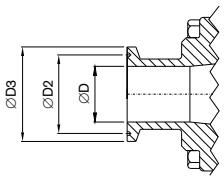
Item	Part Name	Materials	Options	Qty
1	Body	A351 Gr. CF8M	A351 GR. CF3M	1
2	End cap	A351 Gr. CF8M	A351 GR. CF3M	2
3	Ball	SS 316	SS 316L	1
4	Ball seat	PTFE	TFM1600	2
5	Gasket	PTFE	PTFE	2
6	Body bolt	SS 304	SS 304	4*
7	Body nut	SS 304	SS 304	4*
8	Stem	SS 316	SS 316L	1
9	Thrust washer	RPTFE	RPTFE	1
10	O-ring	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

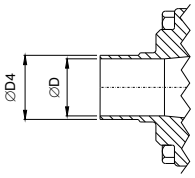




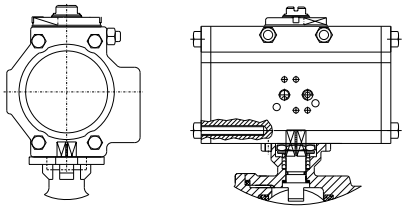
2½"-4" with handle



Clamp end



Tube weld end



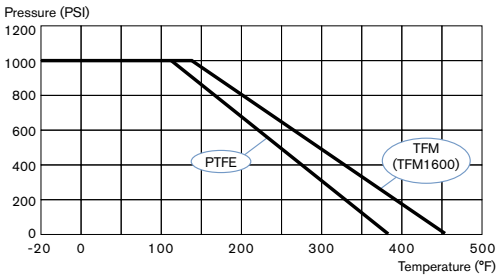
ISO direct mount for directly assembling actuator.

Size	A1	A2	B	C	D	D2	D3	D4	d1	d2	d3	d4	E	H	M	ISO 5211 Pattern
½"	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
¾"	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
1½"	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
2½"	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

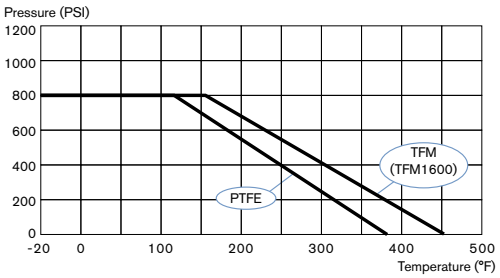
DTS 1000152218 EN Version: - Status: RL (released | freigegeben | validé) printed: 22.03.2011

Pressure-temperature limits

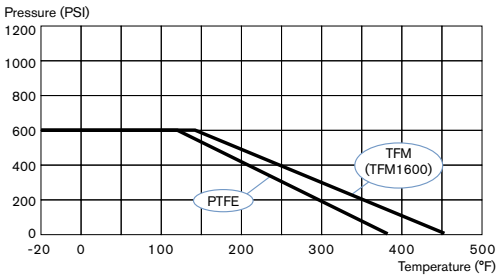
½" to 1"



1½" to 2"



2½" to 4"



To find your nearest Burkert facility, click on the orange box ⟶