

**2654
standard**



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

- 1000/800 PSI WOG
- Thread, socket and butt weld ends
- Full port to Sch 40 pipe
- Semi lugged body
- Range of seal 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	1/4" to 4"
Body materials	CF8M (cast 316 SS)
Ball material	316 SS
Stem material	316 SS
Port diameter class	Full port to Sch 40 pipe size
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	NPT – National pipe thread tapered Socket weld – to schedule pipe OD Butt weld – to schedule 40 pipe ID and OD
Installation	As required
Flow direction	Seals to rated pressure in both directions
Control option	Size to conditions or V Port Ball
Pressure class	1000 PSI – 1/4" to 2" 800 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"	NPT	CF8M	PTFE	

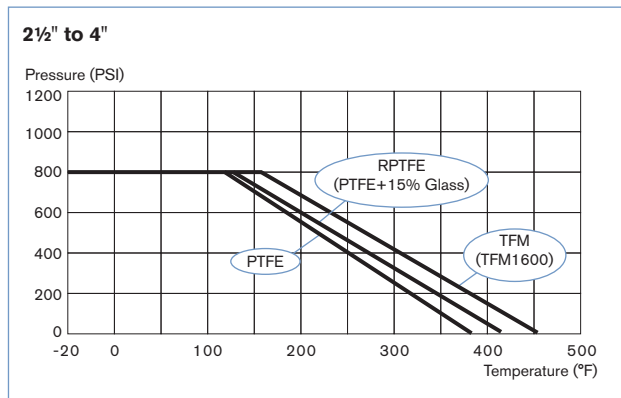
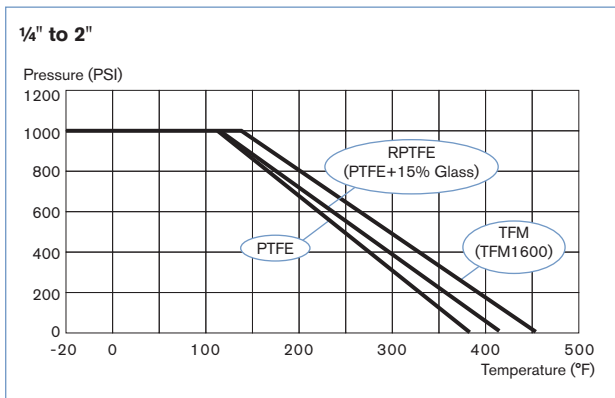
Dimensions [mm]

Item	Part Name	Materials
1	End cap	CF8M
2	Body	CF8M
3	Ball	SS 316
4	Seat	PTFE
5	Gasket	PTFE
6	Bolts	SS 304
7	Thrust washer	RPTFE
8	O-ring	FKM
9	Stem packing	PTFE
10	Stem	SS 316
11	Gland	SS 304
12	Disk washer	SS 301
13	Stem nut	SS 304
14	Nut stop	SS 304
15	Space washer	SS 304
16	Handle nut	SS 304
17	Handle	SS 304
18	Handle cover	Plastic
19	Stop pin	SS 304
20	Nut	SS 304

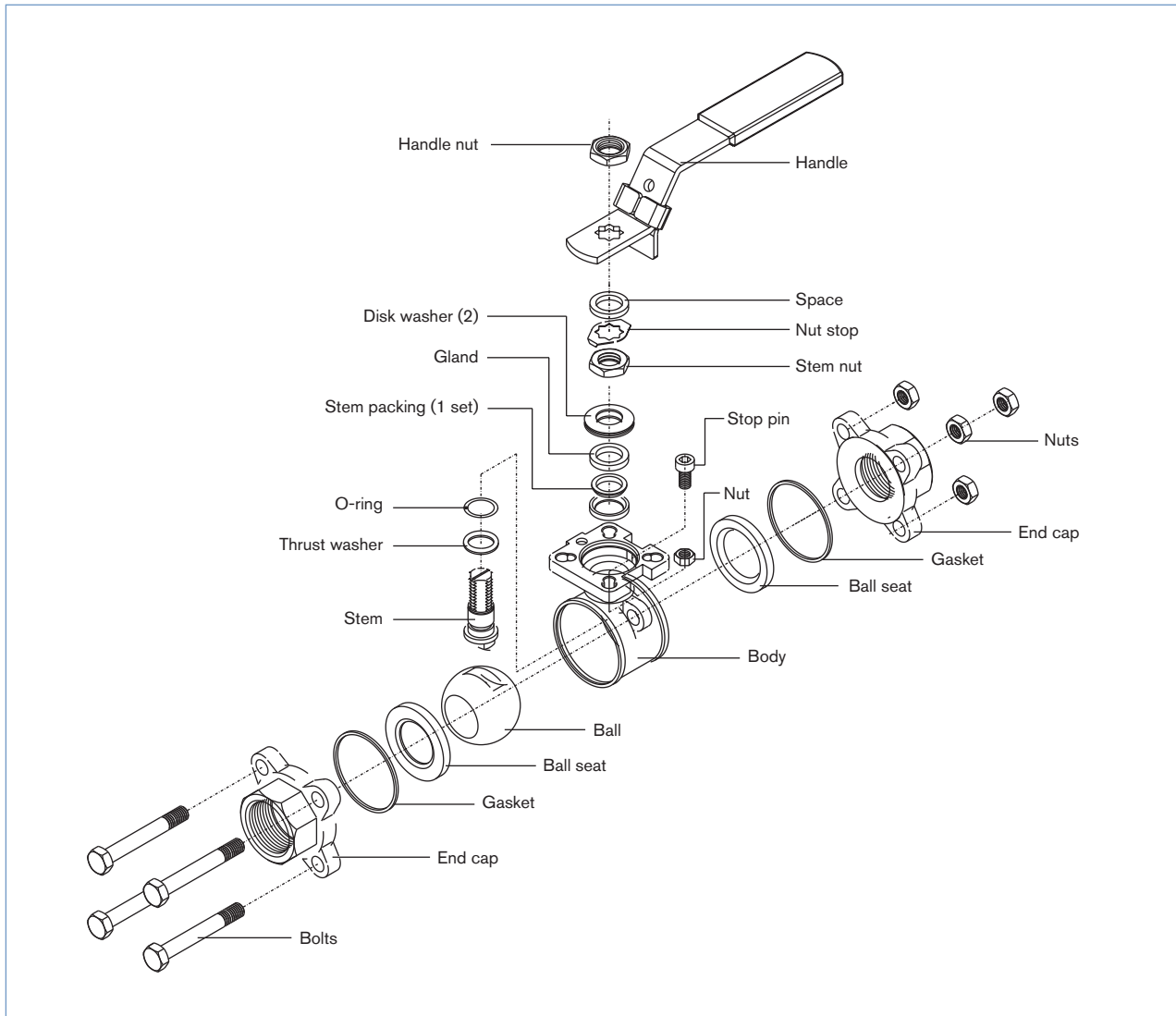
ISO direct mount for directly assembling actuator.

Size	A	B	C	D	d1	d2	E	F	G	H	L	S	T	P	Q	L1	V	W
1/4"	37	11	130	11	6.0	6.0	58	36	42	9	60.5	14.2	11.1	10	17	60.5	19	44
3/8"	37	11	130	12.5	6.0	6.0	58	36	42	9	60.5	17.5	11.1	12	19	60.5	19	44
1/2"	37	11	130	15	6.0	6.0	58	36	42	9	63.5	21.8	12.7	15	21.5	63.5	19	44
3/4"	40	11	130	20	6.0	6.0	64	36	45	9	75.5	27.1	14.3	20	27.5	75.5	19	44
1"	48	14	155	25	6.0	7.0	77	42	50	11	86	33.8	15.9	25	34.5	86	24	52
1 1/4"	53.5	14	155	32	6.0	7.0	83	42	50	11	96	42.5	17.5	32	42.8	104	24	52
1 1/2"	63.5	18	205	38	7.0	9.0	92	50	70	14	111	48.7	19.1	38	49	117	28	53
2"	72	18	205	50	7.0	9.0	100	50	70	14	129	61.1	22.2	50	61	138	28	53
2 1/2"	92	22	290	65	9.0	11.3	140	70	102	17	152.5	73.9	22.2	65	77	170	-	-
3"	102	22	290	80	9.0	11.3	150	70	102	17	168.5	89.9	25.4	80	91	192	-	-
4"	132	26	335	100	11.3	13.5	195	102	125	22	212.5	115.2	32	100	118	226	-	-

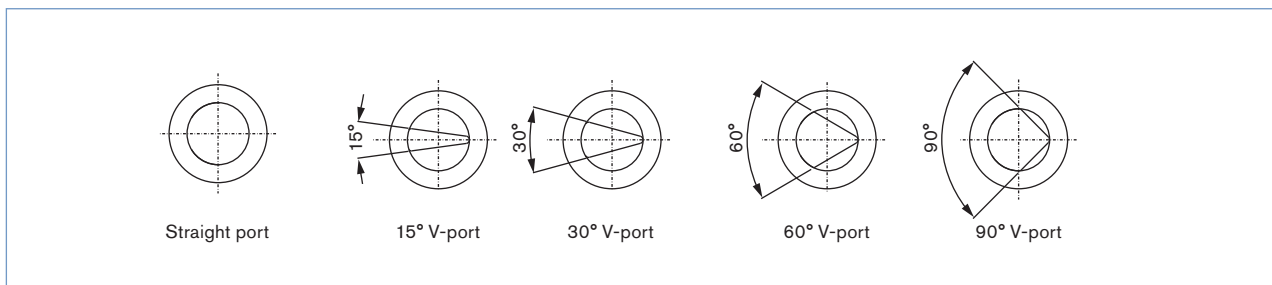
Pressure-temperature limits



Exploded view



V-ball for modulating controller



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