

## Ball Valves in cast 316 SS 3-way, screwed body



- 800 PSI WOG
- Thread Ends
- Standard port to Sch 40 pipe
- Compact body size
- PTFE seals, 4 seats design
- Blow-out proof stem with self adjust packing
- ISO 5211 direct actuator mount

Type 2651 can be combined with...



**Stem Extensions**  
Fugitive Emissions  
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 threaded investment cast body with PTFE/FKM sealing. It finds wide use in mixing, blending and diverting applications at reduced torque. The self-adjusting packing gland is a dual sealing type with an alignment collar for superior tightness.

The Type 2651 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.

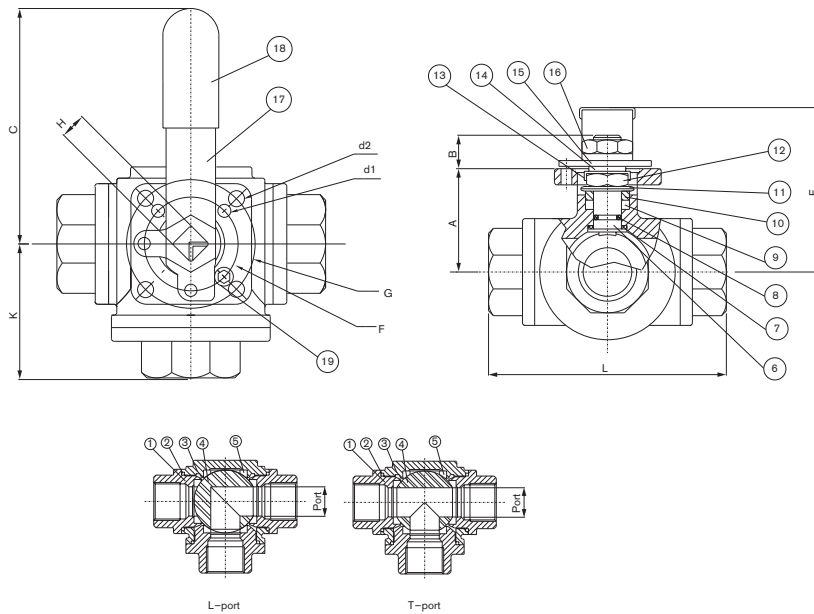
For maintenance, this design allows removal of all seals through three ports. The screwed body provides for easy re-assembly, and more compact than multi piece bolted designs. The ball is standard port style, presenting a  $C_v$  and pressure drop complimentary to mixing or blending control and diverting process applications.

Technical data	
<b>Valve size</b>	1/4" to 2"
<b>Body materials</b>	CF8M (cast 316 SS)
Ball material	316 SS
Stem material	316 SS
<b>Port diameter class</b>	Standard port to Sch 40 pipe size
<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)
<b>End connections</b>	NPT – National pipe thread tapered
<b>Installation</b>	As required
<b>Flow direction</b>	Seals to rated pressure in all directions
<b>Control option</b>	Size to conditions
<b>Pressure rating</b>	800 PSI - 1/4" to 2"
<b>Flow pattern</b>	"L" port

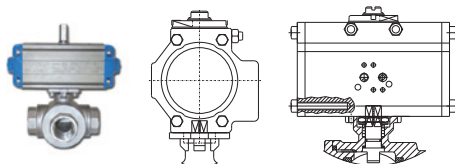
### Ordering chart

	Type	Pressure class	Design	Valve size	End connection	Body material	Seal material	Option
	EXAMPLE 2651	800	3 way	1"	NPT	CF8M	PTFE	

## Dimensions [mm]



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



ISO direct mount for directly assembling actuator.

\*Pneumatic (DA or SR) / Electric actuator

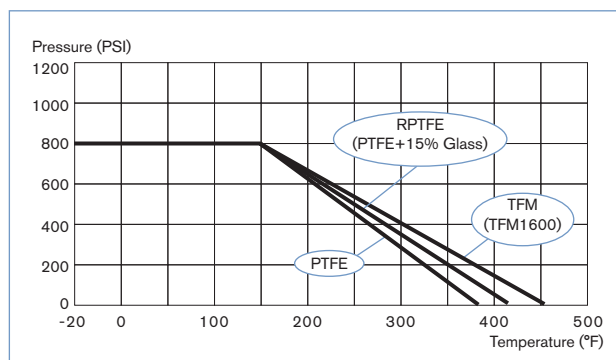


180° stop plate

The Type 2651 3-way ball valve is available for 180° operation. This design allows for more flow patterns to be used in your piping. Users simply have to change a 180° stop plate for this option.

Full port	Standard port	A	B	C	d1	d2	E	F	G	H	K	L	Port	Full W (lb.)	Standard W (lb.)
1/4"	—	37	9.5	130	6.0	6.0	62	36	42	9	35	72	11	1.45	1.45
3/8"	1/2"	37	9.5	130	6.0	6.0	62	36	42	9	35	72	12	1.45	1.45
1/2"	3/4"	42	11	130	6.0	6.0	64	36	42	9	40.5	84.5	15	1.89	1.45
3/4"	1"	49	14	165	6.0	7.1	82	42	50	11	49.5	100	20	3.26	1.89
1"	1 1/4"	55	14	165	6.0	7.1	89	42	50	11	56.5	113	25	4.89	3.35
1 1/4"	1 1/2"	63	17	205	7.1	9.2	98	50	70	14	62	125.5	32	7.09	4.80
1 1/2"	2"	74	16	205	7.1	9.2	108	50	70	14	73.5	150	38	11.81	7.45
2"	—	92	21	325	9.2	11.4	140	70	102	17	87	174	50	21.38	11.59

## Pressure-temperature limits



## Exploded view

## Flow pattern

