

Product Description

TVN V851 Globe Valves are commonly used as an on/off valve, but they may be used for throttling systems. The gradual change in spacing between the disk and seat ring gives the globe valve good throttling ability. These linear motion valves can be used in a variety of applications as long as the pressure and temperature limits are not exceeded, and the process does not require special materials to combat corrosion.



Technical Data	
Size range	DN15 - DN350
Pressure range	PN 16
Temperature	-10°C to +200 °C
Design	EN 13789
Face to face	EN 558 Series 1 / DIN3202 F1
Flange drilling	EN 1092-2 / ISO 7005-2 Flanged
Coating	Industrial Epoxy
Testing	EN 12266-1
Marking	EN 19
Operation	Handlever
	Electrical Actuators

Application Range

- Boiling water systems
- Steam boilers and steam systems
- Pressurized air systems
- Chemical fluids (Acidic and nonalkaline fluids)
- Ammonia and oil transfer

Related Products

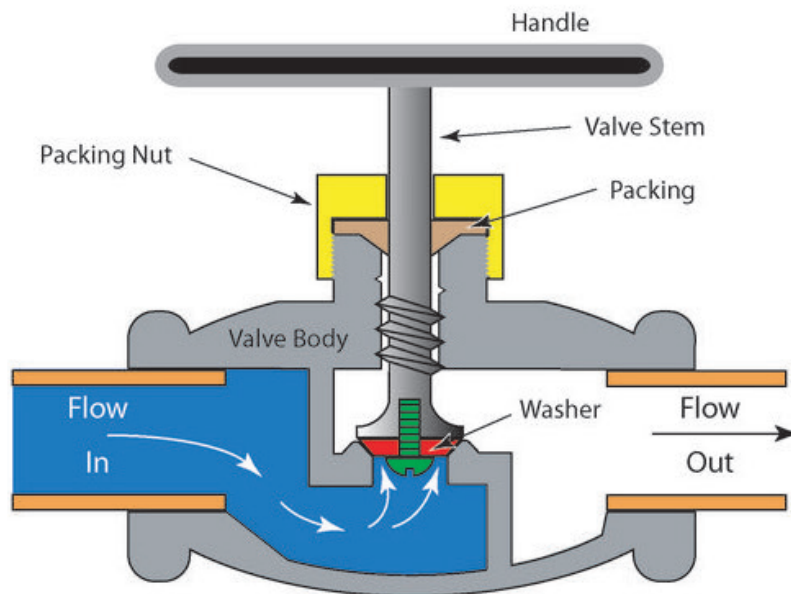
- V200 Lift Check Valve
- V851 Y-Strainer
- V207 Disc-o Check Valve
- V601 Axial Expansion Joint



Product Features

- Globe valves, so-called because of their outside shape, are widely used in plant piping.
- Suitable for high temperature usage.
- Suitable for manual and automatic operation.
- Compared with a gate valve or ball valve, the globe valve has considerably higher pressure loss in the fully open position.
- By simply rotating the hand wheel, the rate at which the commodity flows through the valve can be adjusted to any desired level.
- Globe valves can be used for both gas and liquid systems.
- The disk, valve stem, and the hand wheel are the moving parts in the valve body.
- The body is available in three different designs depending on the application as well as three different types of disks.

Working Principle

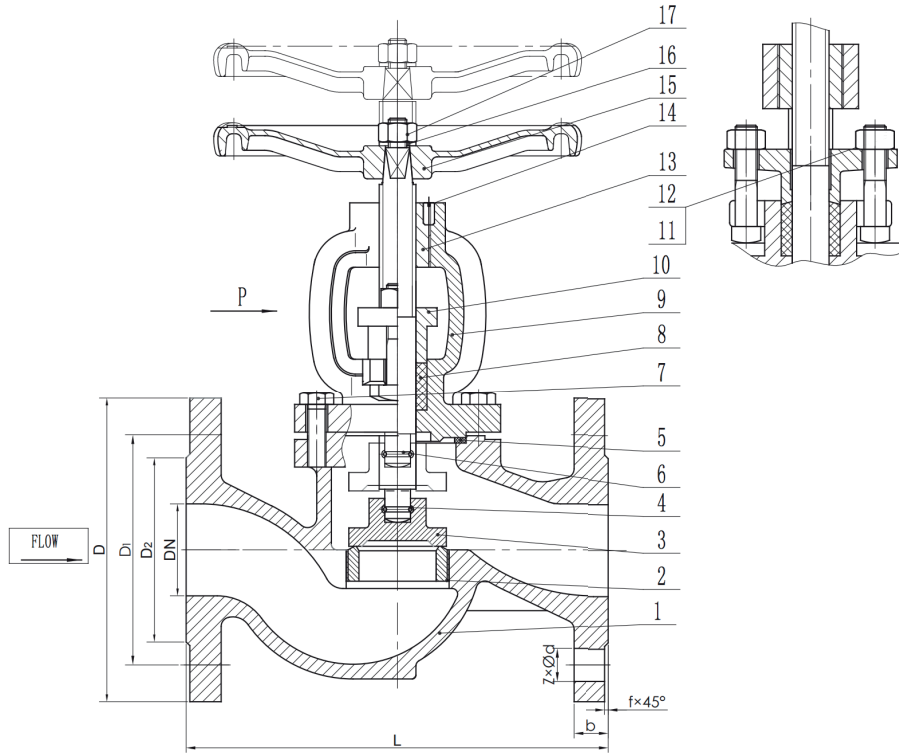


V801

GLOBE VALVE



Material List & Dimensions Table



DN	L	D	D1	D2	b-f	Z-Ød
15	130±2	95	65	46	14-Feb	4-Ø14
20	150±2	105	75	56	16-Feb	4-Ø14
25	160±2	115	85	65	16-Feb	4-Ø14
32	180±2	140	100	76	18-Feb	4-Ø19
40	200±2	150	110	84	18-Feb	4-Ø19
50	230±2	165	125	99	20-Feb	4-Ø19
65	290±2	185	145	118	20-Feb	4-Ø19
80	310±2	200	160	132	22-Feb	8-Ø19
100	350±2	220	180	156	24-Feb	8-Ø19
125	400±2	250	210	184	26-Feb	8-Ø19
150	480±2	285	240	211	26-Feb	8-Ø23
200	600±2	340	295	266	30-2	12-Ø23

No	Part	Material
1	Body	GG25 Cast Iron
2	Seat Ring	Z2Cr13
3	Disc	Z2Cr13 / A105
4	Ring	AISI 304
5	Gasket	Graphite
6	Stem	Z2Cr13
7	Bolt	Steel 35
8	Gasket	Graphite
9	Cover	GGG50 Ductile Iron
10	Packing Gland	GG25 Cast Iron
11	Bolt	Steel 35
12	Nut	Steel 25
13	Stem Gasket	Bronze ZQA1 9-4
14	Screw	Steel 35
15	Handwheel	GGG50 Ductile Iron
16	Washer	Steel Q235
17	Nut	Steel 25