

V V globe and angle valves are highly efficient for throttling service because disc and seat designs provide flow characteristics with proportionate relationships between valve lift and flow rate. This assures accurate regulated flow control.



**Bolted Bonnet** is the most common design because there is practically no limitation on size. Multiple bolting permits equalized sealing pressure on the gasket against high pressure encountered in iron globe and angle valve applications.

**There** are two types of discs supplied in V V globe and angle valves: **Metal Disc in most valves** is fully guided throughout its travel, minimizing vibration of internal parts and assuring true seating. The disc stem connection is designed to securely hold the disc yet permit swivel action. Disc materials are iron faced with 13% Cr. S.S

**Metal Plug Disc/ Needle Type** is conically shaped. This design is universally accepted for rigorous service. Because of the wide seating surfaces, it is not easily harmed by foreign matter or wiredrawing. V V uses S.S in this design.

**Seats** are screwed in and can be reground or replaced whenever necessary.

**Stem** material is matched to service recommendations for improved operating dependability and life.

**Packing** Graphited asbestos

**Backseating:** Rising stem valves are equipped with backseats. It is recommended that the back seat be used as a means for determining the full open valve position. For normal operation in the open position, the stem should be backed off so that the back seat is not in contact. This permits the stem packing to assume its intended sealing function and not conceal unsatisfactory stem packing.

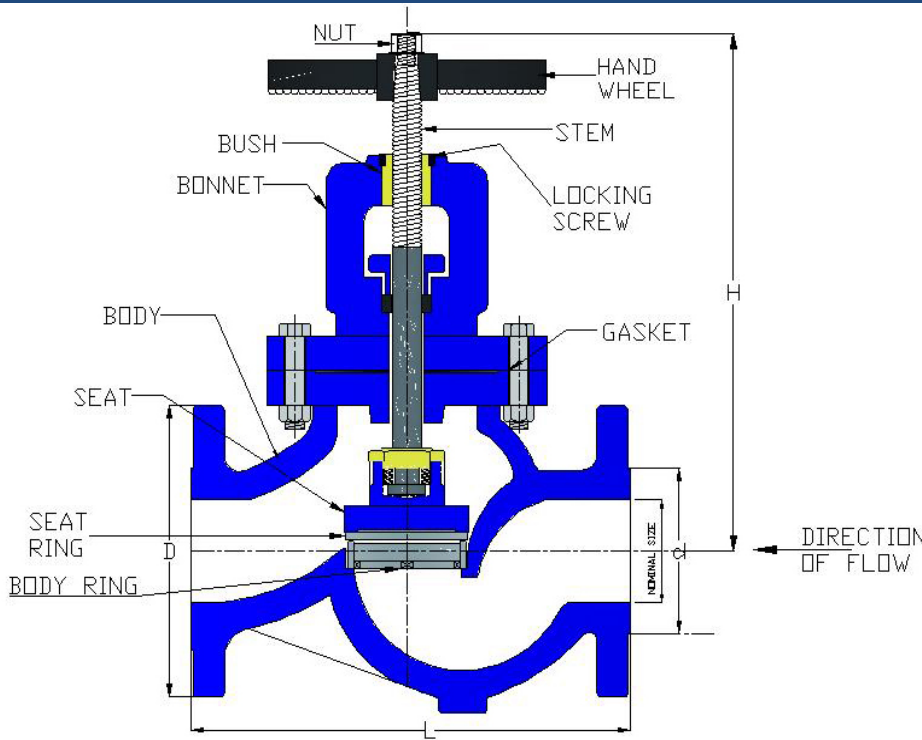
In the event of stem packing leakage, the back seat can be used to stop stem leakage until circumstances permit a system shut down and time for packing replacement.

Stem packing replacement with the valve under pressure and backseated represents a hazard and should not be undertaken. The hazard is magnified as fluid pressure or temperature increases or when the fluid is toxic.

**Handwheels** are furnished on all valves

**Face-To-Face Dimensions** of flanged end valves conform to DIN 2545.

Outside Screw & Yoke • Rising Stem • BS 5160



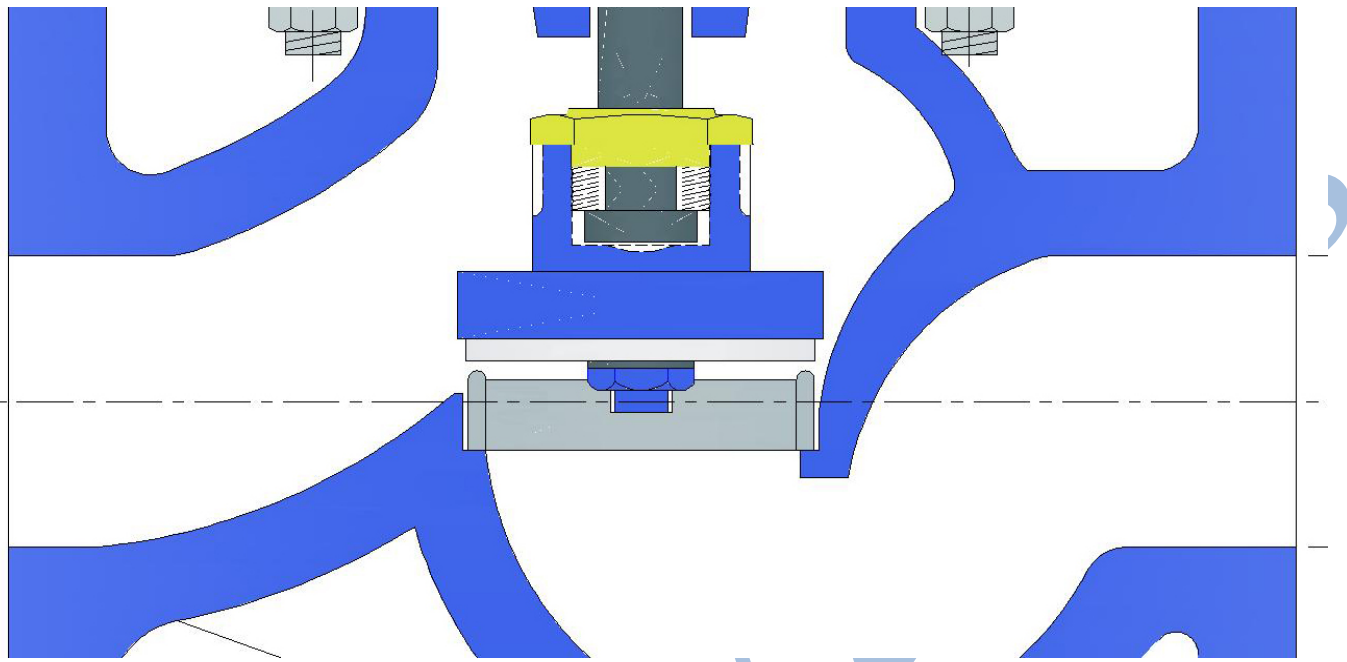
**Features**

- Integral yoke bonnet
- Valves are provided with a Back Seat
- 13% Cr. S.S Body Ring & Seat Ring or G.M Trim.
- Packing Graphited Asbestos
- Gaskets Compressed Asbestos Fibre
- Flanges as per DIN 2545
- Bolted Bonnet
- Size Range : 15 mm-150 mm
- Seating : S.S
- Stem : S.S AISI 410

**Dimensions**

Nominal Size	L	D (Dia.)	Raised face dia. d Ø	H (Appx.)	T (Thickness)
mm	mm	mm	mm	mm	mm
15	130	95	45	180	14
20	150	105	58	180	16
25	160	115	68	185	16
32	180	140	78	200	18
40	200	150	88	250	18
50	230	165	102	270	20
65	290	185	122	340	20
80	310	200	138	380	22
100	350	220	158	450	24
125	400	250	188	530	26
150	480	285	212	600	26

1. 1/16 inch Raised Face is regularly furnished on CL 150 unless otherwise specified.
2. The height of raised face is included in minimum flange thickness for CL 150.



Body Test Pressure : 60 Kg/cm<sup>2</sup>.  
Seat Test Pressure : 40 Kg/cm<sup>2</sup>

### Features

- Renewable PTFE Disc
- Size Range : 15 mm- 150 mm
- Seating : S.S
- Stem : S.S AISI 410
- **For hot air/water/gas**

### Address:

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