## **GLOBE VALVE BELLOW SEAL**



### **Product Description**

V802 Bellow Seal Globe Valve is basically a shut-off valve having a compact structure and can also be considered as one kind of control valve to balance the pressure. Bellows are used as a valve stem sealing components. To avoid the leakage of the valve stem, the valve having the structure with bellows instead of stuffing boxes generally used for the ordinary valves.

V802 bellow seal globe valve is operated as a barrier between fluid and the air. At the same time, the valve can prevent fluid leaking to the air and guarantee zero leakage of pipelines.



| Technical Data |                        |  |  |  |  |
|----------------|------------------------|--|--|--|--|
| Size range     | DN15 - DN200           |  |  |  |  |
| Pressure range | PN 16 - 25 - 40        |  |  |  |  |
| Temperature    | -10°C to +300 °C       |  |  |  |  |
| Design         | EN 13789               |  |  |  |  |
| Face to face   | EN 1092-1 / ISO 7005-1 |  |  |  |  |
| Coating        | Industrial Epoxy       |  |  |  |  |
| Testing        | EN 12266-1             |  |  |  |  |
| Marking        | EN 19                  |  |  |  |  |
| Operation      | Handwheel              |  |  |  |  |

### **Application Range**

- Steam
- Heat Transfer Media, Oil, Ammonia
- Hot Water
- Water and process fluids

#### **Related Products**

- V801 Standard Globe Valve
- V601 Axial Expansion Joint
- V200 Lift Check Valve

















## **GLOBE VALVE BELLOW SEAL**



#### **Product Features**

- Bellows designed and qualified for long life cycles are tested for high pressure/temperature applications
- Superior and precisely machined surface seating obtains zero leakage
- No loss of fluids, better security for the industrial equipments
- Non-rotating stem prevents torsion of bellows and ensures long life, in addition lower torque values are obtained
- Stem below assembly can easily be replaced by bolted bonnet structure
- Zero emission and maintenance free
- Suggested in applications where isolation of fluid from the outer environment is necessary
- Preserves fluid quality with the bellows sealing the inner valve components
- Effective for energy saving











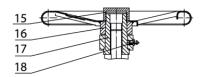


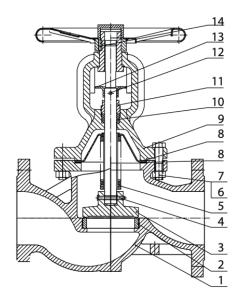
# V802

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## **Material List**



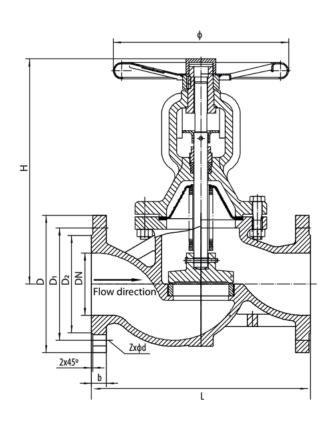


| No | Part           | Material             |  |  |  |
|----|----------------|----------------------|--|--|--|
| 1  | Body           | GGG40 Ductile Iron   |  |  |  |
| 2  | Body Sealing   | SS420                |  |  |  |
| _  | D:             | DN15 to DN100: SS420 |  |  |  |
| 3  | Disc           | DN125 to DN200: A105 |  |  |  |
| 4  | Pin            | SS420                |  |  |  |
| 5  | Bellow Seal    | SS304                |  |  |  |
| 6  | Bolts          | Steel                |  |  |  |
| 7  | Nut            | Steel                |  |  |  |
| 8  | Bonnet Sealing | Steel + Graphite     |  |  |  |
| 9  | Bonnet         | GGG40 Ductile Iron   |  |  |  |
| 10 | Packing        | Flexible Graphite    |  |  |  |
| 11 | Bolts          | Galvanised Steel     |  |  |  |
| 12 | Pin            | Steel                |  |  |  |
| 13 | Guiding Plate  | Galvanised Steel     |  |  |  |
| 14 | Key            | Steel                |  |  |  |
| 15 | Nut            | Galvanised Steel     |  |  |  |
| 16 | Handwheel      | Steel                |  |  |  |
| 17 | Nut            | Galvanised Steel     |  |  |  |

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## **Dimensions Table**



| DN (mm) | L   | D   | D1  | D2  | b  | Øl x n | Н   | ф   |
|---------|-----|-----|-----|-----|----|--------|-----|-----|
| 15      | 130 | 95  | 65  | 46  | 14 | 14X4   | 194 | 120 |
| 20      | 150 | 105 | 75  | 56  | 16 | 14X4   | 194 | 120 |
| 25      | 160 | 115 | 85  | 65  | 16 | 14X4   | 205 | 140 |
| 32      | 180 | 140 | 100 | 76  | 18 | 19X4   | 215 | 140 |
| 40      | 200 | 150 | 110 | 84  | 18 | 19X4   | 224 | 140 |
| 50      | 230 | 165 | 125 | 99  | 20 | 19X4   | 230 | 160 |
| 65      | 290 | 185 | 145 | 118 | 20 | 19X4   | 282 | 200 |
| 80      | 310 | 200 | 160 | 132 | 22 | 19X8   | 335 | 220 |
| 100     | 350 | 220 | 180 | 156 | 24 | 19X8   | 361 | 280 |
| 125     | 400 | 250 | 210 | 184 | 26 | 19X8   | 445 | 280 |
| 150     | 480 | 285 | 240 | 211 | 26 | 23X8   | 499 | 340 |
| 200     | 600 | 340 | 295 | 266 | 30 | 23X12  | 653 | 400 |