

## NORI 40 ZXLB/ZXSB – Maintenance-free Globe Valve with Bellows



### Applications:

For water, steam, gas and other non-aggressive fluids in

- Industry, chemical applications and power stations
- Building services
- Shipbuilding

### More information:

[www.ksb.com/products](http://www.ksb.com/products)

NORI 40 ZXLB



NORI 40 ZXSB



NORI 40 RXS



NORI 40 FSS

# NORI 40 ZXLB/ZXSB – Maintenance-free Globe Valve with Bellows

## 1 High functional reliability and long service life

- Two-piece stem. Lower burnished, non-rotating stem makes for minimal wear and long service life of the packing. Easy retrofitting of actuators without dismantling pressure-retaining components.
- Hard-faced valve seat made of wear-resistant and corrosion-proof materials.

## 2 Leak-proof and easy to service

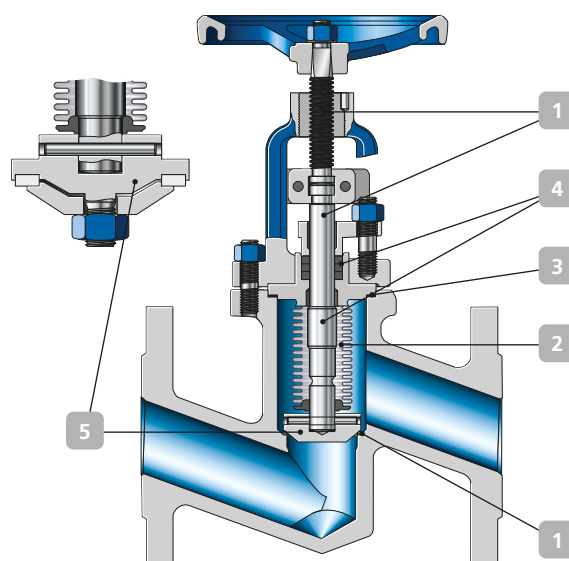
- Double-walled bellows welded to the stem at the lower end and to the gland packing part at the upper end.
- No vibrations transmitted from valve disc to bellows.
- Cost-effective replacement of valve disc and bellows set.

## 3 Reliable sealing to atmosphere

No creeping of the gasket due to fully confined bonnet gasket.

## 4 Additional stem seal for emergency operation and blow-out protection

By standard back seat as well as back-up gland packing made of pure graphite.



## 5 Reliable, tight shut-off

- Standard valve disc with angled seat. Can also be used for contaminated fluids thanks to self-cleaning properties.
- For special requirements, valve disc is also available with GYLON gasket for temperatures up to 240 °C.

### Variants

|                                                  |
|--------------------------------------------------|
| Throttling plug                                  |
| Valve disc with GYLON gasket (max. 240 °C)       |
| Pilot plug design from DN 125                    |
| Locking device                                   |
| Travel stop                                      |
| Studs and nuts of A4 -70 (low-temperature steel) |
| Oil and grease-free (wetted parts)               |
| Stellited seat/disc interface                    |
| Body/bonnet welded                               |
| Leakage detection hole                           |
| Gasket PTFE-encapsulated (max. 300 °C)           |
| Serrated gasket (PTFE or graphite coated)        |
| PTFE gland packing (300 °C max.)                 |

### Pressure/temperature ratings to EN 1092-1

| Nominal pressure | Material    | Permissible operating pressures in bar at a temperature of °C <sup>1)</sup> |      |      |      |      |      |      |      |      |
|------------------|-------------|-----------------------------------------------------------------------------|------|------|------|------|------|------|------|------|
|                  |             | RT <sup>2)</sup>                                                            | 100  | 150  | 200  | 250  | 300  | 350  | 400  | 450  |
| PN 25            | P 250 GH    | 25.0                                                                        | 23.2 | 22.0 | 20.8 | 19.0 | 17.2 | 16.0 | 14.8 | 8.2  |
| PN 40            | GP 240 GH+N | 40.0                                                                        | 37.1 | 35.2 | 33.3 | 30.4 | 27.6 | 25.7 | 23.8 | 13.1 |

<sup>1)</sup> Operating pressures to DIN 2401 are also permissible

<sup>2)</sup> Room temperature (-10 °C to 50 °C)

### Permissible type series

NORI 40 FSL/FSS strainers  
NORI 40 RXL/RXS non-return valves

### Technical data

|             |              |
|-------------|--------------|
| Pressure    | Up to 40 bar |
| Temperature | Up to 450 °C |

### Materials

Flanged design:  
DN 10 - 40 forged steel P 250 GH  
DN 50 - 200 cast steel GP 240 GH+N

Weld end design:  
DN 10 - 50 forged steel P 250 GH  
DN 65 - 200 cast steel GP 240 GH+N