

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



NORI 40 ZXLB

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



NORI 40 ZXSB



NORI 40 RXS



NORI 40 FSS

Your contact:



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

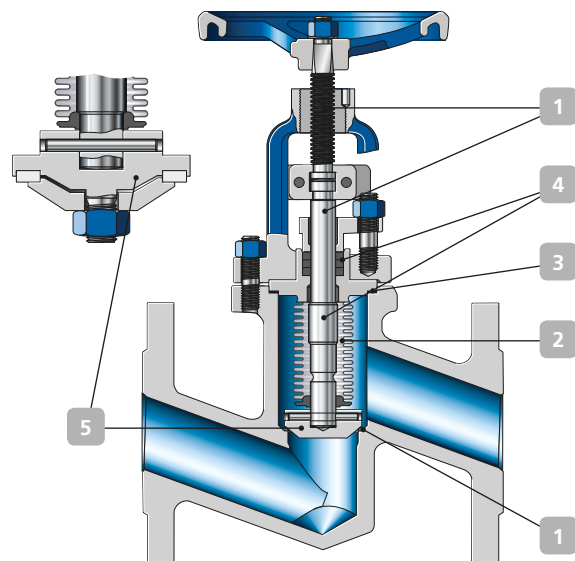
- Double-walled bellows welded to the stem at the lower end and to the gland packing part at the upper end.
- No vibrations transmitted from valve disc to bellows.
- Cost-effective replacement of valve disc and bellows set.

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 ¹⁾								
		RT ²⁾	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

¹⁾ Operating pressures to DIN 2401 are also permissible

²⁾ 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