

► Our technology. Your success.

Pumps • Valves • Service



ZTS – High pressure gate valve made of forged steel to EN / ANSI standards



ZTS Gate valve

Applications:

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

- Fossil-fuelled power stations
- Nuclear power stations
- Industrial plants

More information:

www.ksb.com/products



ZRS Swing check valve

ZTS – High pressure gate valve made of forged steel to EN / ANSI standards

1 Billet-forged steel design makes the body robust and capable of withstanding very high stresses

- Very dense, homogenous and fine-grained structure.
- Ideal for very high pressures and temperatures.
- Large range of forged steels.

2 Reliable sealing to atmosphere

- Compact pressure seal bonnet with metal-capped pure graphite gasket. Very low risk of leakage, particularly at high pressures and temperatures.
- Graphite gland packing with packing end rings. Protection against oxidation by metal caps.

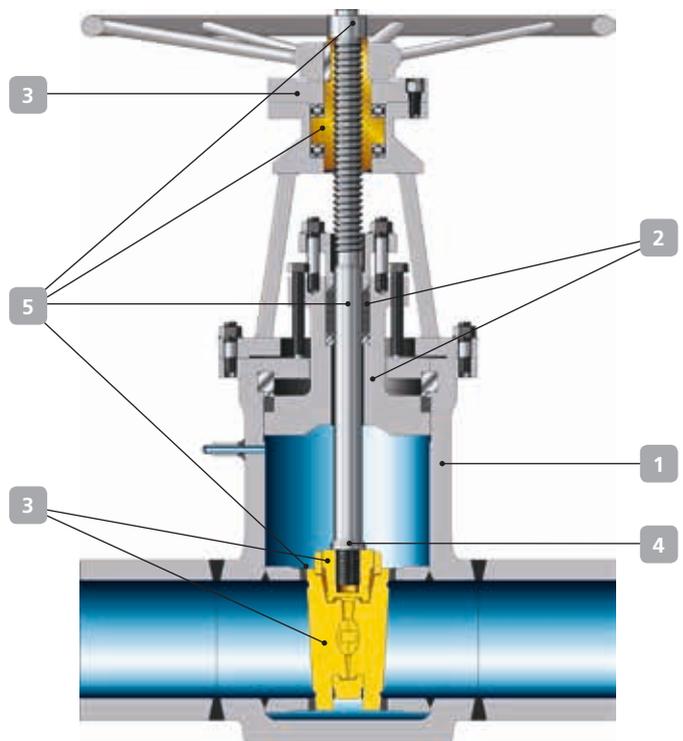
3 Reliable, tight shut-off and service-friendly design

- Wedge holder with flexibly mounted split wedge. Precise alignment of wedge halves with body seat; wedge halves are easy to replace.
- Actuating moments are absorbed by the wedge holder and guide ribs in the body.
- Straightforward actuator mounting with standard DIN/ISO connection flange at the yoke head. No need to dismantle pressure-retaining components.

4 Additional safety and blow-out protection by standard back seat

5 Long service life and high functional reliability

- Standard stop nut limits wedge action, thus preventing jamming in the closed position. Reliable opening even in the event of temperature transients.
- of the gland packing due stem with burnished shank.
- Threaded bush runs in ball bearings for smooth actuation.
- Hard-faced seat / disc interface made of stellite.



Materials*

P 250 GH	up to 450 °C / 850 °F
15 NiCuMoNb 5	up to 450 °C / 850 °F
16 Mo 3	up to 530 °C / 990 °F
13 CrMo 4-5	up to 550 °C / 1020 °F
10 CrMo 9-10	up to 570 °C / 1060 °F
X 10 CrMoVNb 9-1	up to 650 °C / 1200 °F
X 10 CrWMoVNb 9-2	up to 650 °C / 1200 °F

*Other materials on request.

Technical data*

Nominal size	DN 50 – 800 / 2" – 32"
Pressure	up to 600 bar / 8,700 psi
Temperature	up to 650 °C / 1,200 °F

*Higher ratings on request