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

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
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