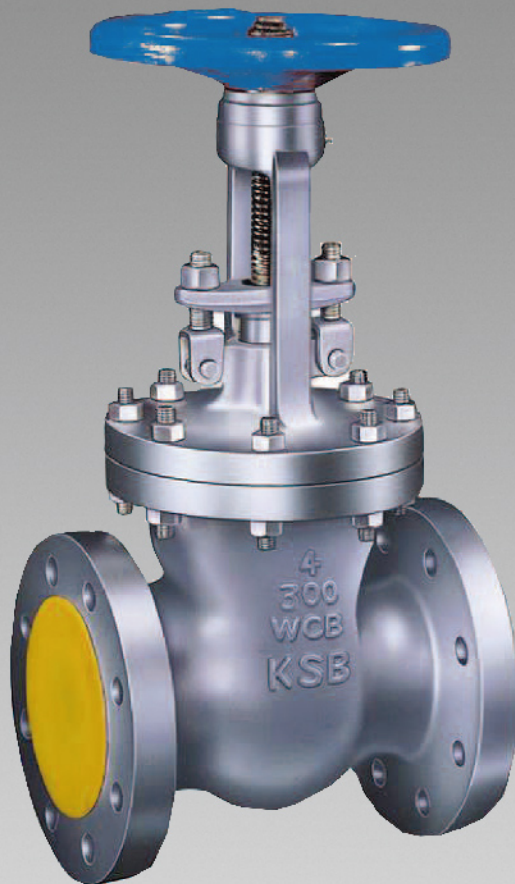


ECOLINE GTV-C 150-600 – Gate Valve



Applications:

- Power plant
- Chemical industry
- Process engineering
- General industry

More information:
www.ksb.com/products

ECOLINE GTV



ECOLINE GLV



ECOLINE SCV

ECOLINE GTV-C 150-600 – Gate Valve

1 Long gland life and high functional reliability

- Stem with shank burnished to a surface finish of 0.2 µm for reduced friction, lower actuating torque and improved sealing to atmosphere.
- Packing end rings enable higher compressive force by gland follower and prevent extrusion of middle graphite packing rings.
- Tow-piece self-aligning gland follower prevents distortion on stem surface caused by improper assembly.

2 Reliable sealing and longer service life

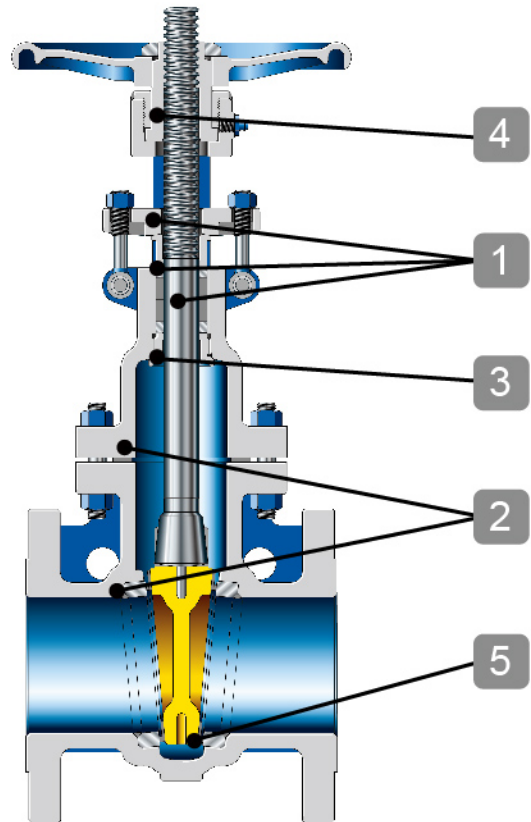
- Male/female joint between body and bonnet prevents excessive compression of fully confined gasket, resulting in longer gasket life and improved sealing performance. (exception: Class 150, flat body/bonnet interface due to square or oval flange design to comply with limited face-to-face length specified by design standard).
- Potential internal and external leakage points eliminated by back seat and body seat.

3 Additional safety and blow-out protection

- Standard metal back seat prevents blow-out of stem and other internal components from the valve body and bonnet as a result of fluid pressure inside the valve body.

4 Versatile application

- Stem nut made of nickel steel is suitable for numerous applications, particularly fluids which must not come into contact with component materials containing copper.



5 Extended maintenance –free service life

- Wear allowance higher than specified in relevant standard, for substantially increased service life.

Test pressures		Class 150		Class 300		Class 600	
Test	Test medium	[bar]	[psi]	[bar]	[psi]	[bar]	[psi]
Shell	Water	32	450	78	1125	153	2225
Leak test (seat) *1		23	315	56	815	112	1630
Leak test (back seat)		23	315	56	815	112	1630
Leak test (seat)	Air	4 to 7	60 to 100	4 to 7	60 to 100	4 to 7	60 to 100

Note:

(1) leak test (seat) is optional, only performed when specified by purchaser.

Technical data

Nominal pressure	Class 150 – 600
Nominal size	NPS 2" – 12"
Max. permissible pressure	106 bar / 1500 psi
Min. permissible temperature	-29 °C / -20 °F
Max. permissible temperature	+ 593 °C / 1100 °F

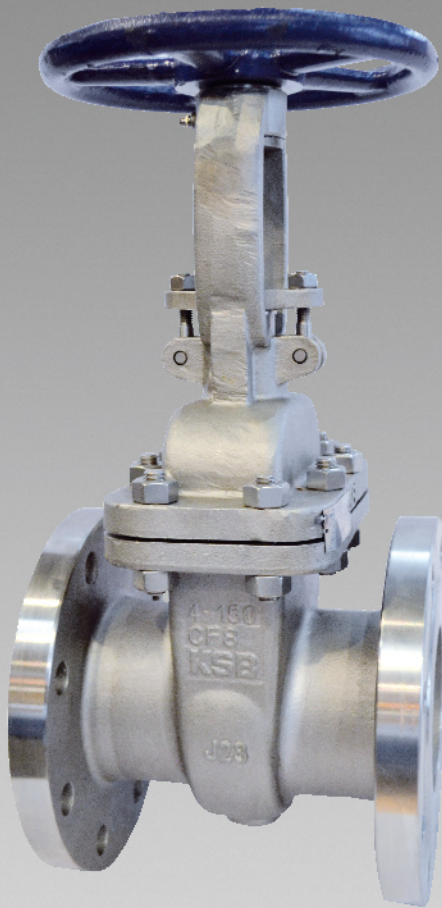
Body materials

ASTM A216 WCB	-29 to +427 °C / -20 to +800 °F
ASTM A352 LCB	-46 to +343 °C / -51 to +650 °F
ASTM A352 LCC	-46 to +343 °C / -51 to +650 °F
ASTM A217 WC6	-29 to +593 °C / -20 to +1100 °F
ASTM A217 WC9	-29 to +593 °C / -20 to +1100 °F



KSB SE & Co. KGaA
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ECOLINE GTV-S 150-600 – Gate Valve



Applications:

- Power plant
- Chemical industry
- Process engineering
- General industry

More information:
www.ksb.com/products

ECOLINE GTV



ECOLINE GLV



ECOLINE SCV

ECOLINE GTV-S 150-600 – Gate Valve

1 Long gland life and high functional reliability

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- Tow-piece self-aligning gland follower prevents distortion on stem surface caused by improper assembly.

2 Reliable sealing and longer service life

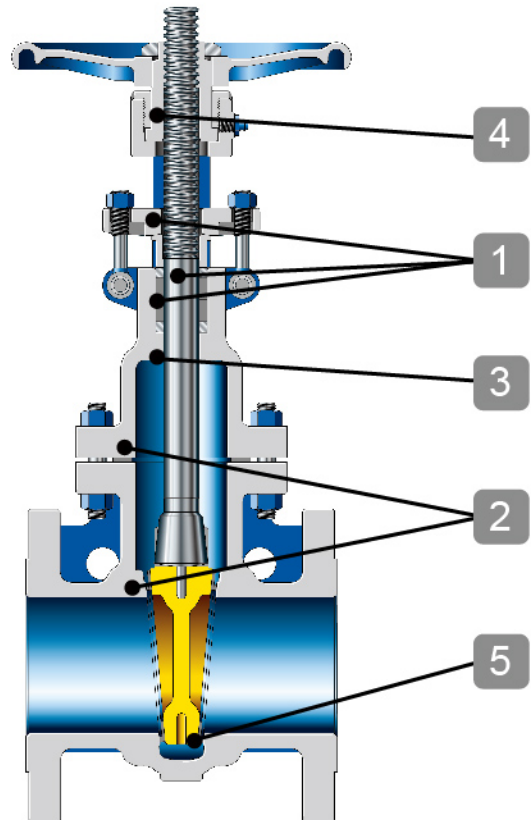
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Leak test (seat)	Air	4 to 7	60 to 100	4 to 7	60 to 100	4 to 7	60 to 100

Note:

(1) leak test (seat) is optional, only performed when specified by purchaser.

Technical data

Nominal pressure	Class 150 – 600
Nominal size	NPS 2" – 12"
Max. permissible pressure	106 bar / 1500 psi
Min. permissible temperature	-29 °C / -20 °F
Max. permissible temperature	+ 455 °C / 850 °F

Body materials

ASTM A351 CF8	-46 to +427 °C / -51 to +800 °F
ASTM A351 CF8M	-46 to +427 °C / -51 to +800 °F
ASTM A351 CF3	-46 to +427 °C / -51 to +800 °F
ASTM A351 CF3M	-46 to +455 °C / -51 to +850 °F
ASTM A351 CN7M	-46 to +325 °C / -51 to +617 °F



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