

## ECOLINE GLV-C 150-600 – Globe Valve



### Applications:

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

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

ECOLINE GLV



ECOLINE GTV



ECOLINE SCV

# ECOLINE GLV-C 150-600 – Globe 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

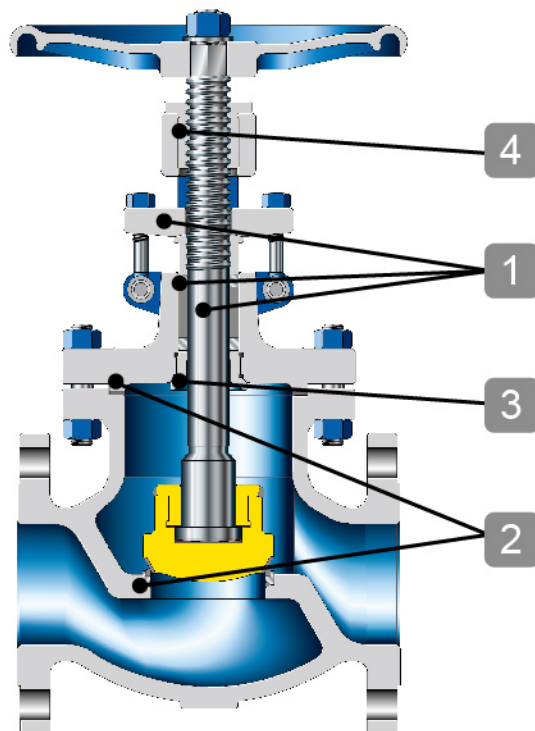
- Male/female joint between body and bonnet prevents excessive compression of fully confined gasket, resulting in longer gasket life and improved sealing performance.
- Potential internal and external leakage points eliminated by back seat and body seat.

## 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.



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)		23	315	56	815	112	1630
Leak test (back seat)		23	315	56	815	112	1630
Leak test (seat) *1	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



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## ECOLINE GLV-S 150-600 – Globe Valve



### Applications:

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

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

ECOLINE GLV



ECOLINE GTV



ECOLINE SCV



# ECOLINE GLV-S 150-600 – Globe 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

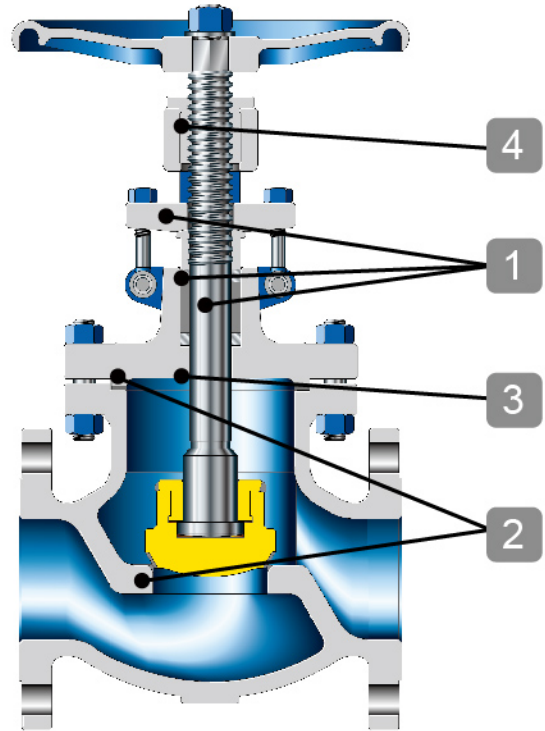
- Male/female joint between body and bonnet prevents excessive compression of fully confined gasket, resulting in longer gasket life and improved sealing performance.
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## 3 Additional safety and blow-out protection

- 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

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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)		23	315	56	815	112	1630
Leak test (back seat)		23	315	56	815	112	1630
Leak test (seat) *1	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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