

GLOBE VALVE

Forged Steel Globe Valve

REF **EFC-480** ISSUED 07 Jul 2026

SPECIFICATIONS

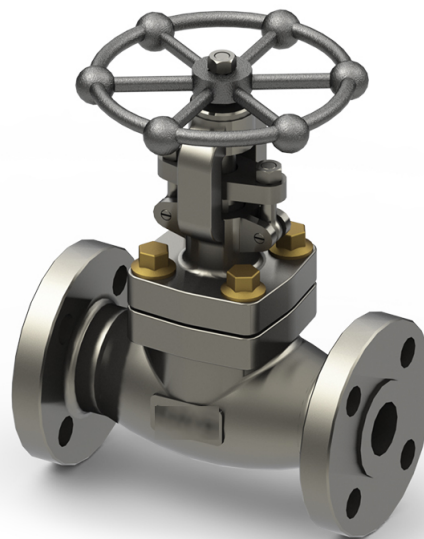
Size	DN6 to DN80
Pressure	CL150 to CL4500
End connection	socket weld (ASME B16.11) / threaded (ASME B1.20.1) / flanged (ASME B16.5) / butt weld (ASME B16.25)
Face-to-face	ASME B16.10, Factory standard (socket welding / threaded end)
Temperature	-196°C to 600°C
Media	tap water, sewage, petroleum, chemical media, food, medicine, textile process fluids, power generation fluids, metallurgical process fluids, energy system fluids

STANDARDS

Design	API 602, BS 5352
Test	API 602, API 598

APPLICATIONS

- tap water systems
- sewage systems
- construction
- oil and gas
- chemical industry
- food processing
- pharmaceutical
- textile
- power generation
- metallurgy
- energy systems



Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

MATERIALS

Body	Carbon Steel, Stainless Steel, Alloy Steel	Packing	Flexible Graphite
Gasket	Stainless steel wire / flexible graphite wound gasket		

FEATURES

- Main components are forged
- Three bonnet seal options: bolted bonnet with wound gasket, welded bonnet (threaded + full weld), and pressure self-tightening middle-cavity seal
- Bolted bonnet sealed with stainless steel/flexible graphite wound gasket; metal ring connection available on request
- Welded bonnet uses threaded plus full-penetration weld; full-penetration-only option available on request
- Pressure self-tightening seal available for CL900, CL1500, CL2500, and CL4500
- Sealing performance increases with rising internal pressure
- Tortuous internal flow channel; higher fluid resistance than gate valve
- No relative sliding between disc and seating surface during opening/closing, reducing wear and extending seat life
- Flexible graphite packing for reliable sealing and light operation
- Unidirectional medium flow; installation direction must match arrow on valve body
- Packing can be replaced under system shutdown without removing valve from line
- Compact structure with short face-to-face length
- Reduced-bore design; most sizes are reduced diameter
- Maximum diameter generally not exceeding DN80

OPTIONS & NOTES

- Metal ring bonnet connection available when customers have special requirements
- Full penetration welded bonnet connection available when customers have special requirements
- Structural length for socket welding and threaded ends follows factory standard