

GLOBE VALVE

FAF2140

2140



Features

- Designed and manufactured according to ANSI standards.
- It has cast steel body; stem, disc and sealing seats are manufactured from stainless steel
- According to its design feature; head loss is higher compared to other valve types due to the flow travelling inside the body and flow section is narrower
- Suitable for hot water, steam and industrial applications
- Manufactured from forged steel material and has a high pressure resistance
- No maintenance needed, can be operated with lower torque ratings.
- Valves can be equipped with a variety of manual gear or electric motor actuators. Generally, all pressure must be relieved from both sides of the valve before the actuator is removed.
- Zero stem leakage eliminates media loss and satisfies environmental regulations.
- Effective for energy savings. Energy loss due to leakage is controlled, helping to prevent global warming and protecting the environment.

Temperature

- -30 °C, +200 °C

PRODUCTION STANDARDS

DN15 → DN50
PN 800/1500

Design	BS 5351 / ASME B16.34
Connection	ASME B1.20.1 / ASME B16.11 / ASME B16.25
Pressure Test	API 598
Marking	MSS SP-25
Corrosion Protection	Industrial Epoxy

Product Description

FAF2140 Forged Globe Valve, maintains %100 tight sealing through the graphite gasket on the stainless steel disc moving perpendicular to the flow axis and seating on the machined metal seat inside the body

Versions

- Standard version with handwheel
- Standard version with gearbox
- Prepared for electrical actuator
- With electric actuator
- Custom production for specific orders

Accessories

- Extension spindle, FAF7250
- T-Key, FAF7250T
- Surface box, FAF7250K

Scope of Application

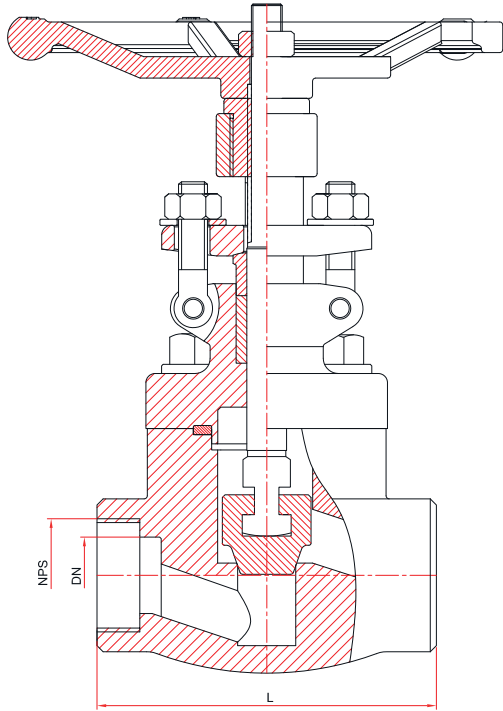
- Steam
- Superheated water
- Hot & cold water
- Chemicals
- Lubricants
- Natural gas
- Oil&Gas
- HVAC
- Power & heat engineering
- Industrial technologies



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Technical Details & Drawing, Dimensions



MATERIAL SELECTION

Body ASTM A-216 WCB Cast Steel

Disc ASTM A-216 WCB Cast Steel

Stem
1.4021 - AISI 420 Stainless Steel
1.4301 - AISI 304 Stainless Steel
1.4401 - AISI 316 Stainless Steel

Sealing Graphite

VALVE TEST PRESSURE (Bar)

MAX. OPERATING PRESSURE	BODY / SHELL TEST	SEAT TEST
16	24	17,6

100% of the valves are subjected to hydrostatic tests at FAF facilities.

Note

- For proper use and safety precautions please follow the installation and operating instructions.

FAF 2140 CLASS 800 GLOBE VALVE

DN	NPS	DIMENSION	RATINGS
Ømm	INC	L	KV m ³ /h
15	1/2	79	12
20	3/4	92	18
25	1	111	25
32	1 1/4	120	40
40	1 1/2	152	50
50	2	172	60

FAF 2140 CLASS 1500 GLOBE VALVE

DN	NPS	DIMENSION	RATINGS
Ømm	INC	L	KV m ³ /h
15	1/2	111	12
20	3/4	111	18
25	1	120	25
32	1 1/4	152	40
40	1 1/2	172	50
50	2	220	60

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Caution During Use

Please check the following prohibited actions and cautions when using bellows valves. Using bellows valves with specifications or conditions that deviate from this information may lead to serious damage including bellows breakage.
Please check with FAF Valve if you have any questions.

Prohibited Actions

- Do not use the valve under conditions which exceed the range of use.
- Avoid freezing liquids inside the piping.
- Do not suddenly open or close the valve with a air cylinder, etc.
- Avoid subjecting the valve to impact pressures such as a water hammer.
- Do not use in pipes with strong vibrations.
- Do not use the valve for high-frequency opening and closing by electric or air pressure operation.
- When transporting a large-size valve, lift it with a rope tied to the valve body or the yoke. Never tie the rope to the handle, and make sure the valve does not fall over or suffer a strong impact. Otherwise the valve stem may bend, leaving the valve unable to open and close.
- When operating the handle, do not apply excessive torque by the supplementary handle or elsewhere, otherwise the damage such as bending stem may happen.
- Please consult with FAF Valve when using toxic, ammable or corrosive liquids.

Prohibited Actions

- When using highly viscous liquids or liquids which harden at low temperatures, prevent the liquid from sticking to the bellows by keeping it warm or taking other measures.
- To prevent foreign substances from entering the valve, do not remove the seal on the ange face until the valve has been installed.
- Store the valve indoors in a place with minimal humidity and dust. Do not store the valve in open air.
- Do not disassemble or replace parts on the valve (disassembly and assembly work on a bellows valve should only be performed by an experienced person who has received training.)
- When using the valve, match the ow direction with the arrows on the valve body.
- When the valve is fully closed, abruptly closing the handle with force may cause a foreign substance to get caught on the seat surface or cause seat leakage. In such cases, after fully closing the valve lightly, open the valve slightly and blow off the foreign substance around the seat before closing the handle again.
- If the valve is used when an extremely small opening, high-velocity liquids may strike the seat or valve body and cause erosion (mechanical corrosion).
- If the valve is used with high frequency, slippage of the valve stem trapezoidal thread will occur. Please lubricateregularly.

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