KITZ

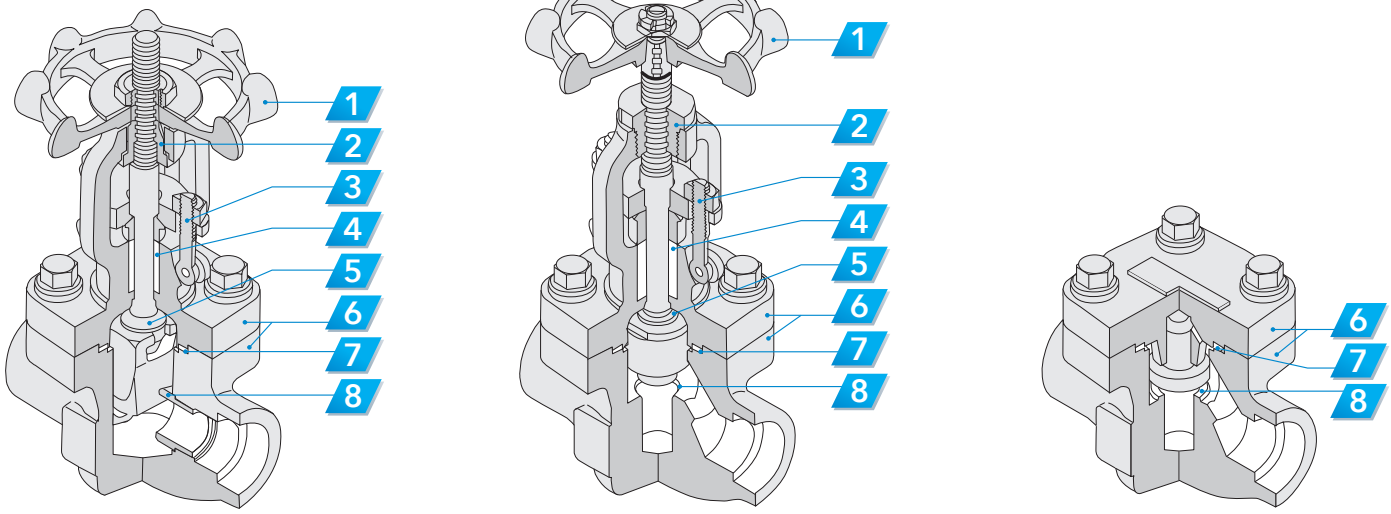
NEWS

Forged Valves

API602, Class800

Gate, Globe & Check

Structure and Features



1 **Handwheel with high strength and smooth operation**
Using spoke design handwheel made of ductile cast iron with excellent mechanical strength.
Anti-slip protrusion on the rim ensures reliable transmission of operating force.

2 **Yoke sleeve with high corrosion resistance and high strength**
Stainless steel yoke sleeve with high corrosion resistance at high-melting point.
Smooth operation with stainless steel stem prevents galling and seizuring.

3 **Gland structure with no one-sided tightening and easy packing replacement**
Self-aligning gland prevents leakage by one-sided tightening.
In addition, the use of movable eye bolts enables easy packing replacement.

4 **Packing with excellent sealing and high durability**
Gland packing made of flexible graphite braided yarn reinforced with nickel alloy yarn.
Certified to API 622 and it provides high sealing performance and low sliding.

5 **Backseat design**
Stem has backseat to protect the packings at fully open position.

6 **Strong body/bonnet connection**
Alloy steel bolts for high temperature use. (ASTM A193 Gr. B7)
Bolted bonnet structure with gasket sealing at the joint.

7 **Spiral wound gasket with high performance**
Spiral wound gasket made of stainless steel and flexible graphite can withstand high temperature and pressure.

8 **Valve seating with high abrasion resistance**
Valve seating with hard facing Co-Cr-W Alloy blocks high-temperature and high-pressure fluid.

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Specification

Application / Market

- Refinery
- Petrochemical
- Natural Gas
- Boiler etc

Gate valve

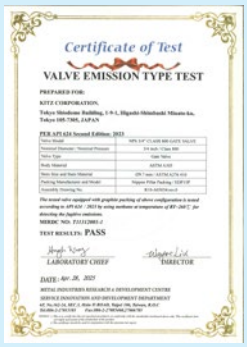
Globe valve

Check valve (Lift)

Fig			AW800SFLY*1 AK800SFLY*2	AW800SFJY*1 AK800SFJY*2	AW800SFNY*1 AK800SFNY*2
Design	Size		3/8B~2B	3/8B~2B	3/8B~2B
	Standard		API 602	API 602	API 602
			API 624	API 624	—
			ASME B16.34	ASME B16.34	ASME B16.34
	Connection	Threaded	ASME B1.20.1 (NPT)	ASME B1.20.1 (NPT)	ASME B1.20.1 (NPT)
		Socket Weld	ASME B16.11	ASME B16.11	ASME B16.11
	Pressure Test		API 598	API 598	API 598
	Rating		CLASS 800	CLASS 800	CLASS 800
	Face to Face / End to End		KITZ Standard	KITZ Standard	KITZ Standard
	Max Pressure		7.67MPa	7.67MPa	7.67MPa
	Max Temperature		425°C	425°C	425°C
Material	Body		A105	A105 + HF*3	A105 + HF*3
	Bonnet		A105	A105	—
	Cover		—	—	A105
	Stem		A276 410	A276 410	—
	Disc		A743 CA15+HF*3	A276 410+HF*3	A276 410+HF*3
	Body Seat Ring		A276 410+HF*3	-	—
	Packing		Flexible Graphite	Flexible Graphite	—
	Gasket		Spiral Wound Gasket (Graphite + 304)	Spiral Wound Gasket (Graphite + 304)	Spiral Wound Gasket (Graphite + 304)

*1 Socket Weld *2 Threaded *3 Co-Cr-W Alloy

API624 Certificate



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KITZ CORPORATION
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