

GATE VALVE

Forged Steel Gate Valve

REF **EFC-21** ISSUED **05 Jun 2026**

SPECIFICATIONS

Size	NPS 3/4"–NPS 2"
Pressure	150Lb–2500Lb
End connection	flanged / socket weld / butt weld / flanged
Face-to-face	ASME B16.10
Temperature	-29°C to 500°C

STANDARDS

Design	API 602
Test	API 598



MATERIALS

body	Carbon Steel, Alloy Steel, Austenitic Stainless Steel	seat	Martensitic Stainless Steel, Austenitic Stainless Steel
disc	Ferritic/Martensitic Stainless Steel, Austenitic Stainless Steel	stem	Martensitic Stainless Steel, Austenitic Stainless Steel
gland packing	Martensitic Stainless Steel, Austenitic Stainless Steel		

FEATURES

- Smooth bore channel with low flow coefficient; sealing surface less susceptible to medium erosion.
- Sealing surface constructed from alloy steel or hard alloy with wear and scratch resistance.
- Flexible graphite filler used for gland packing, providing sealing and ease of operation.
- Bidirectional flow with no flow disturbance or pressure reduction.
- Packing replacement and maintenance can be performed under online shutdown conditions without affecting system operation.
- Body markings visible: '800' (Class 800 pressure rating), 'A105N' (forged carbon steel body material), '1' (DN25 / 1 inch nominal bore), bolted bonnet construction, handwheel operated, socket weld end connections