

SLAB GATE VALVE

HTHP Slab Gate Valve

REF **EFC-442** ISSUED 06 Jul 2026**SPECIFICATIONS**

Size	NPS2 / DN50 to NPS24 / DN600
Pressure	CLASS150 / PN16 to CLASS2500 / PN420
End connection	flanged (ASME B16.5) / flanged (ASME B16.47) / butt weld (ASME B16.25)
Face-to-face	ASME B16.10
Temperature	-29°C to 650°C
Media	high-temperature and high-pressure media

ACTUATION

- manual
- pneumatic
- electric

STANDARDS

Design	API 600, ASME B16.34
Test	API 598

APPLICATIONS

- Power industry
- Petroleum refining
- Petrochemical
- Marine petroleum



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

MATERIALS

Body **Carbon Steel, Stainless Steel, Alloy Steel**

FEATURES

- Low fluid resistance; internal medium channel is straight-through with no change in flow direction
- Pressure self-tightening seal; sealing performance increases with pressure
- Valve body ends typically joined by butt weld
- Low operating torque for opening and closing
- Simple body structure
- Good sealing performance
- Reduced erosion of seating surfaces when fully open
- Bi-directional flow capability; suitable for installation in either orientation
- Long closing time reduces risk of water hammer
- Guide mechanism in valve body prevents gate rotation during operation, ensuring accurate seating surface alignment
- Gate does not contact seat until final closure, reducing seat wear
- Generally installed horizontally in pipeline

OPTIONS & NOTES

- Operator options include Manual, Pneumatic, Electric, etc.
- Material options include Carbon Steel, Stainless Steel, Alloy Steel, Etc.