

Cast Steel Gate Valve Bolted Bonnet

The API 600 Gate Valves is exceptionally sturdy, rugged, and durable, with a reputation for quality, integrity, and long service.

They are designed for tight sealing and ease of operation. The valves are available flanged & butt-weld ends in pressure rating from ASME Class 150 to Class 2500, and in a variety of materials of construction.

Gate Valves are of flexible wedge design, outside screw and yoke, and bolted-bonnet construction. The valves conform to API 600.

Main features

- Bolted body-bonnet design, seal welded & Valves with pressure seal bonnet
- Bellows-sealed Gate and Globe valves available
- Bolted body-bonnet joints provided with spiral-wound stainless steel gasket and graphite filler for maximum protection against leaks
- Die-formed graphite inner packing rings and braided graphite end rings with Inconel wire reinforcement and corrosion inhibitor
- T-head stem-disc connection of gate valve fully meets strength requirements of API 602 and API 598
- Rolled ACME thread on stem for smooth operation
- Tapered shoulder on the stem for back seating
- Self-aligning type gland assembly with stud-and-nut tightening
- Integral hard-faced body seat for globe and check valves
- Spring-loaded disc on check valves suitable for no horizontal applications too
- Gate and globe valves can be offered with electrical actuators
- Austenitic SS forging for body and bonnet of Cryogenic valves, resulting in excellent impact strength, minimal heat loss and resistance to corrosion
- Valves can be offered to NACE MR-0175 and other special NACE requirements

Descriptions Highlighted in Yellow should be placed for :

Product no

A) 1 ,2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16

B) 1,4, 5

C) 1, 2, 4

D) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

E) 1, 2, 3, 5, 6, 7

And remaining keywords should have blue color description

Forged Steel Gate Valves (Standard Pattern)

Main features

- Bolted body-bonnet design for valves up to Class 800, 1500, 2500, 4500. Valves with welded bonnet also available on request
- Screwed with a seal-welded body-bonnet design for valves of Class 1500, 2500, 4500.
- Bellows-sealed Gate and Globe valves available in Class 800
- Bolted body-bonnet joints provided with spiral-wound stainless steel gasket and graphite filler for maximum protection against leaks
- Die-formed graphite inner packing rings and braided graphite end rings with Inconel wire reinforcement and corrosion inhibitor
- T-head stem-disc connection of gate valve fully meets strength requirements of API 602 and API 598
- Rolled ACME thread on stem for smooth operation
- Tapered shoulder on the stem for back seating
- Self-aligning type gland assembly with stud-and-nut tightening
- Integral hard-faced body seat for globe and check valves
- Spring-loaded disc on check valves suitable for no horizontal applications too
- Gate and globe valves can be offered with electrical actuators
- Austenitic SS forging for body and bonnet of Cryogenic valves, resulting in excellent impact strength, minimal heat loss and resistance to corrosion
- Valves can be offered to NACE MR-0175 and other special NACE requirements

A) Valves By Construction (Gate Valve)

- 1) Bolted Bonnet Gate Valve
- 2) Pressure Seal Bonnet Gate Valve
- 3) Welded Bonnet Gate Valve
- 4) Flexible Wedge Gate Valve
- 5) Gear Box Operated Gate Valve
- 6) Hand Wheel Operated Gate Valve
- 7) Bellow Seal Gate Valve
- 8) Electric Motor Operated Gate Valve
- 9) Rising stem Gate Valve
- 10) OS & Y Gate Valve
- 11) Parallel Slide Gate Valve
- 12) Cryogenic Gate Valve
- 13) Extended Stem Gate Valve
- 14) Buried Service gate Valve
- 15) Metal to metal seated Gate Valve
- 16) Wedge Gate Valve

B) Valves By End Connection (Gate Valve)

- 1) Flange End Gate Valve
- 2) Screwed End Gate Valve
- 3) Socket Weld Gate Valve
- 4) Buttweld End Gate Valve
- 5) RTJ End Gate Valve

C) Valve By Design (Gate Valves)

- 1) API 600 Gate Valve
- 2) API 603 Gate Valve
- 3) API 602 Gate Valve
- 4) ASME B16.34 Gate Valve

D) Valves By Materials (Gate Valve)

- 1) A216 WCB Cast Carbon Steel Gate Valve
- 2) A216 WCC Cast Carbon Steel Gate Valve
- 3) A217 WC6 Cast Alloy Steel Gate Valve
- 4) A217 WC9 Cast Alloy Steel Gate Valve
- 5) A217 C5 Cast Alloy Steel Gate Valve
- 6) A217 CA15 Cast Alloy Steel Gate Valve
- 7) A351 CF8 Stainless Steel Gate Valve
- 8) A351 CF8M Cast Stainless Steel Gate Valve
- 9) A351 CF3 Cast Stainless Steel Gate Valve
- 10) A351 CF3M Cast Stainless Steel Gate Valve
- 11) A351 CN7M Alloy 20 Gate Valve
- 12) A352 LCB Carbon Steel Gate Valve
- 13) A352 LCC Carbon Steel Gate Valve
- 14) Duplex Stainless Steel Gate Valve
- 15) A105 Forged Carbon Steel Gate Valve
- 16) A182 FSS304 Stainless Steel Gate Valve
- 17) A182 FSS16 Stainless Steel Gate Valve
- 18) A182 F304L Stainless Steel Gate Valve
- 19) A182 F316L Stainless Steel Gate Valve
- 20) A182 F321 Stainless Steel Gate Valve
- 21) A182 F321H Stainless Steel Gate Valve
- 22) A182 F51 Duplex Stainless Steel Gate Valve
- 23) A182 F9 Alloy Steel Gate Valve
- 24) A182 F91 Alloy Steel Gate Valve
- 25) A182 F5 Alloy Steel Gate Valve
- 26) A182 F11 Alloy Steel Gate Valve
- 27) A182 F22 Alloy Steel Gate Valve
- 28) A350 LF2 Alloy Steel Gate Valve

E) Valve By Class

- 1) Gate Valve Class 150
- 2) Gate Valve Class 300
- 3) Gate Valve Class 600
- 4) Gate Valve Class 800
- 5) Gate Valve Class 900
- 6) Gate Valve Class 1500
- 7) Gate Valve Class 2500
- 8) Gate Valve Class 4500

