



AMERICAN PETROLEUM INSTITUTE

API Standard 600

Steel Gate Valves—Flanged and Butt-welding Ends, Bolted Bonnets

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This standard specifies the requirements for a heavy-duty series of bolted bonnet steel gate valves for petroleum refinery and related applications where corrosion, erosion, and other service conditions would indicate a need for full port openings, heavy wall sections, and large stem diameters.

This standard sets forth the requirements for the following gate valve features:

- bolted bonnet,
- outside screw and yoke,
- rising stems,
- non-rising handwheels,
- single or double gate,
- wedge or parallel seating,
- metallic seating surfaces,
- flanged or butt-welding ends.

It covers valves of the nominal pipe sizes DN:

- 25, 32, 40, 50, 65, 80, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 650, 700, 750, 800, 850, 900, 950, 1000, 1050;

corresponding to nominal pipe sizes NPS:

- 1, 1 ¼, 1 ½, 2, 2 ½, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42;

and applies to pressure class designations:

- 150, 300, 600, 900, 1500, 2500.

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