

"Apollo" INTERNATIONAL

SUBMITTAL SHEET

Model 620F

Class 250 Non-Rising Stem Gate Valve



DESCRIPTION

The Apollo Model 620F Flanged Cast Iron Gate valve provides full flow capabilities. The Apollo Gate valve can reliably be installed in most plumbing and heating systems (or building service piping).

FEATURES

- Compatible with ANSI 250# & 300# Flanges
- Full Port
- Bronze Mounted Seat Rings
- Solid Wedge
- Adjustable Graphite Stem Packing
- Non-Rising Stem
- Flanged Connection
- Bolted Bonnet
- Rugged Iron Hand Wheel
- Back Seat Protection

STANDARDS

- MSS SP-70, "Gray Iron Gate Valves Flanged and Threaded"
- ASME B16.10, "Face-to-Face and End-to-End Dimensions of Valves"

PERFORMANCE RATING

- Saturated Steam: 250 psi (17.2 Bar) to 406°F (207°C)
- Cold Working Pressure: 500 psi (34.5 Bar) at 100°F
- Temperature Range: -20°F to 406°F

STANDARD MATERIALS LIST

| | Part Name | Material |
|----|----------------------|-----------------------------------|
| 1 | Body | Cast Iron (ASTM A 126 CL B) |
| 2 | Seat Rings | Cast Bronze (ASTM B62) |
| 3 | Wedge Face Rings | Cast Bronze (ASTM B62) |
| 4 | Wedge | Cast Iron (ASTM A 126 CL B) |
| 5 | Wedge Nut | Cast Bronze (ASTM B62) |
| 6 | Stem | Brass (ASTM B16) |
| 7 | Body Gasket | Graphite |
| 8 | Bolts | Carbon Steel (ASTM A307 B) |
| 9 | Nuts | Carbon Steel (ASTM A307 B) |
| 10 | Bonnet | Cast Iron (ASTM A 126 CL B) |
| 11 | Gland Follower Bolts | Carbon Steel (ASTM A307 B) |
| 12 | Stuffing Box Gaskets | Graphite |
| 13 | Stuffing Box | Cast Iron (ASTM A 126 CL B) |
| 14 | Packing | Graphite |
| 15 | Gland Follower | Ductile Iron (ASTM A536 65-45-12) |
| 16 | Packing Gland | Cast Bronze (ASTM B584) |
| 17 | Handwheel | Cast Iron (ASTM A 126 CL B) |
| 18 | Nameplate | Aluminum |
| 19 | Washer | Carbon Steel (ASTM A307 B) |
| 20 | Handwheel Nut | Ductile Iron (ASTM A536 65-45-12) |

ORDER INFORMATION

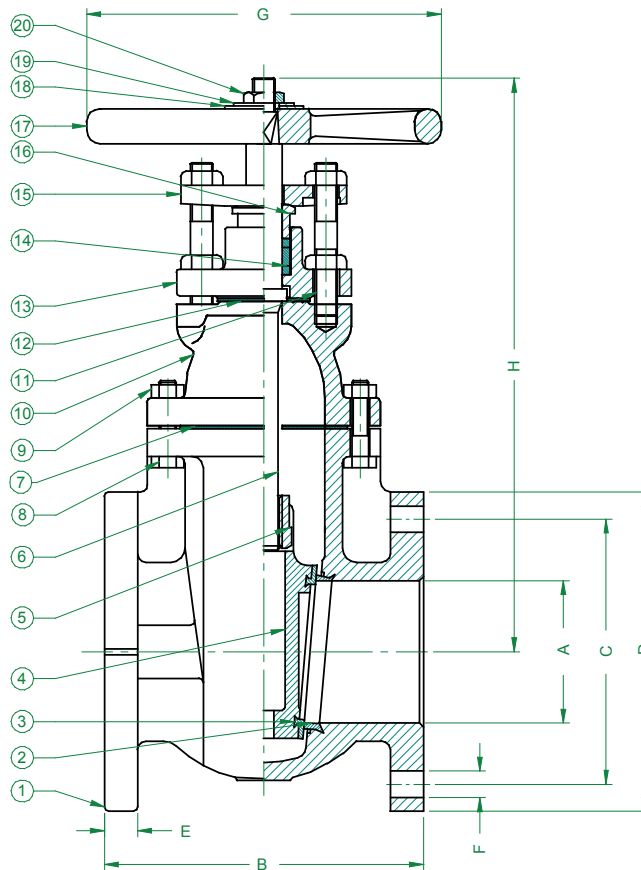
| Size (in.) | Part Number |
|------------|-------------|
| 2" | 6GA208B1 |
| 2-1/2" | 6GA209B1 |
| 3" | 6GA200B1 |
| 4" | 6GA20AB1 |
| 5" | 6GA20BB1 |
| 6" | 6GA20CB1 |
| 8" | 6GA20EB1 |
| 10" | 6GA20GB1 |
| 12" | 6GA20HB1 |

Apollo Valves, Manufactured by **Conbraco Industries, Inc.**
701 Matthews Mint-Hill Road, Matthews, NC 28105 USA
www.apollovalves.com | (704) 841-6000

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'Apollo' Valves
SUBMITTAL SHEET
Model 620F
 Class 250 Non-Rising Stem **Gate Valve**



| Size (in.) | Dimensions (in.) | | | | | | | | Wt. (lbs.) | Cv (Typ) |
|---------------|------------------|-------|-------|-------|------|------|----|----------|---------------|-------------|
| | A | B | C | D | E | F | G | H (Open) | | |
| 2" | 2.00 | 8.50 | 5.00 | 6.50 | 0.88 | 0.75 | 7 | 11.28 | 42 | 328 |
| 2.5" | 2.50 | 9.50 | 5.88 | 7.50 | 1.00 | 0.88 | 7 | 12.72 | 55 | 482 |
| 3" | 3.00 | 11.12 | 6.62 | 8.25 | 1.12 | 0.88 | 8 | 13.31 | 66 | 744 |
| 4" | 4.00 | 12.00 | 7.88 | 10.00 | 1.25 | 0.88 | 10 | 16.18 | 115 | 1316 |
| 5" | 5.00 | 15.00 | 9.25 | 11.00 | 1.38 | 0.88 | 12 | 19.80 | 161 | 2130 |
| 6" | 6.00 | 15.88 | 10.62 | 12.50 | 1.44 | 0.88 | 12 | 22.00 | 205 | 3176 |
| 8" | 8.00 | 16.50 | 13.00 | 15.00 | 1.62 | 1.00 | 14 | 25.59 | 278 | 5692 |
| 10" | 10.00 | 18.00 | 15.25 | 17.50 | 1.88 | 1.12 | 16 | 30.31 | 456 | 8972 |
| 12" | 12.00 | 19.75 | 17.75 | 20.50 | 2.00 | 1.25 | 18 | 33.90 | 633 | 13352 |

$C_v = \text{GPM @ 1 psi pressure drop, } 60^\circ\text{F water}$

* C_v values are estimates only

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