

'Apollo' Valves

SUBMITTAL SHEET

102S Series

Class 125, Non Rising Stem, Solder Gate Valve



| | |
|-------------------------------|--|
| Job Name: | |
| Job Location: | |
| Engineer: | |
| Contractor: | |
| Tag: | |
| PO Number: | |
| Representative: | |
| Wholesale Distributor: | |



DESCRIPTION

The Apollo Model 102S Gate Valve provides a cost effective "made in the USA" alternative to globally sourced multi-turn valves. These valves are cast, machined, assembled, and tested in South Carolina. The Apollo Gate Valve can reliably be installed in most plumbing and heating systems (or building service piping).

FEATURES

- Full Port
- Guided Solid Bronze Disc
- Adjustable Graphite Stem Packing
- Non-Rising Stem
- Dezincification Resistant
- All Bronze Construction
- 100% Factory tested
- Solder Connection
- Screw-in Bonnet
- Malleable Iron Rugged Hand Wheel
- **100% machined and assembled in USA**
- Back seat protection

STANDARDS

- MSS SP-80, "Bronze Gate, Globe, Angle & Check Valves",
- ASME B16.18, "Cast Copper Alloy Solder Joint Pressure Fittings"

PERFORMANCE RATING

- Saturated Steam: 125 psi (8.6 Bar) to 353°F(178°C)
- Cold Working Pressure: 200 psi (13.8 Bar) at 100°F
- Temperature Range: -20°F to 406°F

STANDARD MATERIALS LIST

| Part Name | Material |
|-------------|------------------|
| Body | ASTM B62 Bronze |
| Bonnet | ASTM B62 Bronze |
| Stem | ASTM B371 Bronze |
| Disc | ASTM B62 Bronze |
| Packing | Grafoil® |
| Packing Nut | ASTM B16 Brass |
| Hand Wheel | Malleable Iron |
| Nameplate | Aluminum |

ORDER INFORMATION

| Model Number | Part Number | Size (in.) |
|--------------|-------------|------------|
| 102S12 | 30-043-01 | 1/2" |
| 102S34 | 30-044-01 | 3/4" |
| 102S1 | 30-045-01 | 1" |
| 102S114 | 30-046-01 | 1-1/4" |
| 102S112 | 30-047-01 | 1-1/2" |
| 102S2 | 30-048-01 | 2" |
| 102S212 | 30-049-01 | 2-1/2" |
| 102S3 | 30-040-01 | 3" |

DIMENSIONS

| Height open (in.) | Length (in.) | Weight (lbs) | Cv (gpm) |
|-------------------|--------------|--------------|----------|
| 3.56 | 1.88 | .85 | 12.5 |
| 4.05 | 2.43 | 1.19 | 24.0 |
| 4.55 | 2.96 | 1.98 | 72.3 |
| 5.14 | 3.14 | 2.8 | 80.0 |
| 6.02 | 3.44 | 3.95 | 119.0 |
| 7.09 | 4.11 | 5.88 | 338.0 |
| 9.11 | 4.79 | 12.19 | 395.0 |
| 12.61 | 5.43 | 16.84 | 435.0 |

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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