

ATLANTIC PIPE

VALVES AND FITTINGS

When **QUALITY,**
SERVICE and **PRICE**
MATTER MOST!

FORGED STEEL VALVES

COMMERCIAL CONSTRUCTION | FIRE PROTECTION | HVAC | IRRIGATION
MINING | WATER & WASTEWATER | OIL & GAS | POWER GENERATION



About Atlantic Pipe Valves and Fittings



About Atlantic Pipe Valves and Fittings

Atlantic Pipe Valves and Fittings is a locally owned company in Dartmouth Nova Scotia with a office/warehouse of 4000 sq/feet and an off site 2 acre pipe yard with access to valve modification and testing . We are celebrating 1 year of business in August 2020 but have over 35 years of Industrial Pipe, Valve and fitting knowledge. Atlantic Pipe Valves and Fittings can service your needs with on hand stock as well as fast turnarounds with our partner vendors. We can also supply, basket and Y strainers, check valves, gauges and many more specialty products such as chrome-moly or high grades of stainless steel. Whether it's a cast steel, forged steel, bronze or iron gate globe, Y pattern globe or check valve we can supply.



Please contact us by email at pbrown@atlanticpvf.ca or phone at (902) 406-2435 to discuss.

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3 YEAR VIEW TERMS
& CONDITIONS
WARRANTY

ISO
9001 | **CRN**

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Product Features

Introduction and Features

- Atlantic Pipe Valves and Fittings manufactures and stocks full line of commercial forged carbon steel and stainless steel gate, globe and check valves strictly engineered and manufactured to API, ANSI, ASME, ASTM and other recognized industrial standards.
- Atlantic Pipe Valves and Fittings forged steel valves are built in various body materials, trim options and connection styles – offering the solution to your specific application needs in Petroleum Refineries, Chemical Process and Power Generation.
- Body materials are standardized to A105N for carbon steel, 316SS for stainless steel and A350LF2 for low carbon steel structures. **Other ASME B16.34 materials are available upon request.**
- The carbon steel and low carbon steel valves with NACE package comply with NACE MR0103 specification, and contain no copper bearing alloys.
- Atlantic Pipe Valves and Fittings forged steel valves come standard with Stellite#6 hard-faced seat rings with solid wedge for gate valves and renewable discs for globe and check valves.
- Designed to API602/ASME B16.34, all Atlantic Pipe Valves and Fittings forged steel valves come with Class 800# rating (1500# optional) with a size range from ½" thru 2", NPT or Socket Weld ends. **Other connection styles including Butt Weld or RF Flanges are also available upon special request.**



Designed and Manufactured to the Following Industry Standards

- All forged steel valves are designed to API602.
- Pressure/Temperature rating conforms to ANSI/ASME B16.34.
- NACE package are designed and manufactured to NACE MR0103.
- All valves are tested according to API598.
- Connection ends are designed and manufactured to ANSI/ASME B1.20.1 for NPT thread ends and B16.11 for Socket Weld ends.

Standard Forged Steel Valve In-Stock Items

Gate Valves, Globe Valves, Swing and Lift Check Valves are available standard in-stock with the following specifications:

- Pressure/Temperature Rating: ANSI Class 800
- Size: ½" to 2"
- End Connection: NPT x NPT, SW x SW, and NPT x SW
- Bonnet: OS&Y and Bolted
- Body Material: A105N, A182-F316L, and A350-LF2

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Body, Bonnet/Cover Materials

| Atlantic Pipe Valves and Fittings Material Code | ASTM Specification | Nominal Designation | Recommended Service Condition |
|---|--------------------|---------------------|--|
| A5* | A105N | Carbon Steel | General non-corrosive water, steam, oil and gases services between -20°F(-29°C) and 800°F(425°C). |
| LF* | A350-LF2 | Low Temp. C.S. | General non-corrosive water, steam, oil and gases services between -50°F(-46°C) and 650°F(343°C). |
| SL* | A182 F316L | Stainless Steel | Corrosive services, Acetic acid, calcium carbonate, calcium lactate, sea water, steam and sulfites up to 800°F(427°C). |

* Standard Materials

** Other Materials available on request

Trim Specification

| Atlantic Pipe Valves and Fittings Trim Code | API Trim # | API Nominal Trim | Seat Surface Material | Seat Surface Specification | Stem/Bushing Material | Stem/Bushing Specification | Recommended Service Applications [†] |
|---|------------|------------------|-----------------------|----------------------------|-----------------------|----------------------------|---|
| 05* | 5 | Hardfaced | Co-Cr A | – | 13Cr | ASTM A276 T410/T420 | High pressure and slightly erosive and corrosive services. Excellent for high pressure water and steam service. |
| 08* | 8 | F6 | 13Cr | ASTM A182 (F6a) | – | ASTM A276 T410/T420 | Universal trim for general service requiring long service life. As trim 5 for moderate pressure and more corrosive service. Steam, gas and general service. |
| | | Hardfaced | Co-Cr A | – | – | – | |
| 10 | 10 | 316 | 18Cr-8Ni | ASTM A182 (F316) | 18Cr-8Ni-Mo | ASTM A276 T316 | For superior resistance for liquids and gases which are corrosive to 410 Stainless Steel. Low temperature service standard for 316SS valves. |
| 12* | 12 | 316 | 18Cr-8Ni-Mo | ASTM A182 (F316) | 18Cr-8Ni-Mo | ASTM A276 T316 | As trim 10 but for medium pressure and more corrosive or asrative service. |
| | | Hardfaced | Trim 5 or 5A | | – | – | |
| 14 | 14 | Alloy 20 | 19Cr-29Ni | ASTM B473 | 19Cr-29Ni | ASTM B473 | As trim 13 but for medium pressure and more corrosive service. |
| | | Hardfaced | Trim 5 or 5A | – | – | – | |

NOTE: Data provided in this chart is for informational purpose only. Always consult current API publications to verify information and trim data

[†] Temperatures shown may vary depending on media, pressure and service applications

* Standard Offering

* Other Materials available on request

How to Order Forged Steel Valves

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|----------|----------|-----|-------|--------|------|-------------|---------|-------|
| Category | Pressure | End | Body | Bonnet | Trim | Accessories | Options | Size |
| G S | 0 8 | T D | - A 5 | 1 | 0 8 | - H W | N C | 0 0 5 |

| 1 | Category | | |
|----|------------------------|----|--------------------|
| GS | Gate Valve Solid Wedge | CS | Check Valve Swing |
| SL | Globe Valve Linear | CP | Check Valve Piston |

| 2 | Pressure rating | |
|----|-----------------|--|
| 08 | Class 800 | |

| 3 | End Style | | |
|----|------------------------|----|----------|
| SW | Socket Weld | TD | Threaded |
| ST | Socket Weld x Threaded | | |

| 4 | Body Material | | |
|----|---------------|----|---------|
| A5 | A105N | L1 | LC1 |
| LF | LF2 | SL | SS 316L |
| LC | LCC | | |

| 5 | Bonnet Option | |
|---|-------------------|--|
| 1 | Bolted Bonnet/Cap | |

| 6 | Trim Design | | |
|----|------------------------------|--------|--------------------------------|
| 05 | API Trim 5, Hardfaced | 10 | API Trim 10, 316 |
| 08 | API Trim 8, F6 and Hardfaced | 12(ST) | API Trim 12, 316 and Hardfaced |

| 7 | Accessories | | |
|----|--------------------|----|-------------------|
| HW | Handwheel | EA | Electric Actuator |
| PA | Pneumatic Actuator | | |

| 8 | Special options | | |
|----|----------------------|----|--------------------|
| NC | NACE for H2S Service | TF | Teflon Disc Insert |
| OX | Oxygen Cleaning | CC | Customized Coating |

| 9 | Sizes | | |
|-----|-------|-----|--------|
| 001 | 1/4" | 010 | 1" |
| 003 | 3/8" | 012 | 1-1/4" |
| 005 | 1/2" | 015 | 1-1/2" |
| 007 | 3/4" | 020 | 2" |

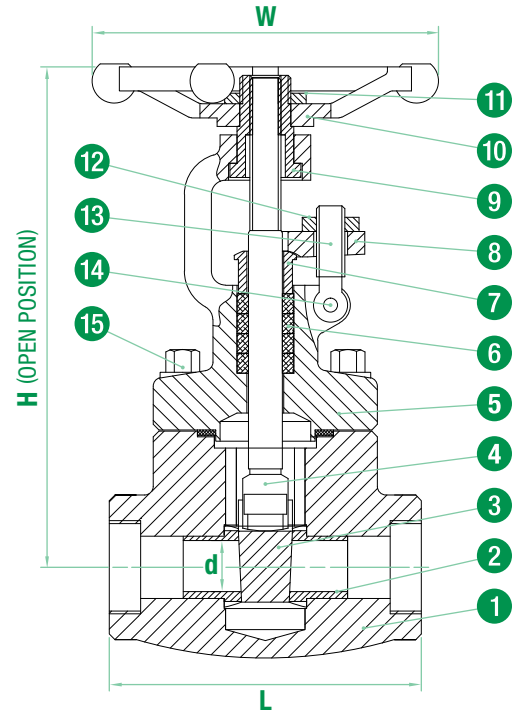
Forged Steel Gate Valve | Class 800

ASTM A105N, A350-LF2 and A182-F316L Body & Bonnet

GS08TD(SW)

Description

- Forged Carbon or Stainless Steel Body and Bonnet
- Outside Screw and Yoke (OS&Y)
- Rising Stem / non-rising handwheel
- Bolted Bonnet
- Conventional Port
- Solid wedge and Integral Backseat
- ½"–2" Screwed (NPT) or Socket Weld (SW) ends
- Designed to API 602/ASME B16.34
- Tested to API 598
- NPT ends conforms to ASME B1.20.1
- SW ends conforms to ASME B16.11



| Dimensions | | | | | | | | | | |
|------------|-----|-----|-----|-----|-----|------|------|-----|--------|------|
| Size | L | | W | | H | | d | | Weight | |
| | mm | in | mm | in | mm | in | mm | in | kg | lbs |
| 1/2" | 79 | 3.1 | 100 | 3.9 | 166 | 6.5 | 10.5 | 0.4 | 2.2 | 4.9 |
| 3/4" | 92 | 3.6 | 100 | 3.9 | 169 | 6.7 | 13.5 | 0.5 | 2.3 | 5.1 |
| 1" | 111 | 4.4 | 125 | 4.9 | 193 | 7.6 | 18 | 0.7 | 4.1 | 9.0 |
| 1¼" | 120 | 4.7 | 160 | 6.3 | 230 | 9.1 | 23 | 0.9 | 5.8 | 12.8 |
| 1½" | 120 | 4.7 | 160 | 6.3 | 246 | 9.7 | 29 | 1.1 | 7.0 | 15.4 |
| 2" | 140 | 5.5 | 180 | 7.1 | 283 | 11.1 | 36 | 1.4 | 10.4 | 22.9 |

| No. | Part Name | A105N Body | | A105N Body NACE | | | 316L SS Body NACE | LF2 Body NACE |
|-----|--------------|-----------------------------|-----------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|-------------------------------------|
| | | GS08TD(SW)-A5108HW (Trim 8) | GS08TD(SW)-A5105HW (Trim 5) | GS08TD(SW)-A5108HW-NC (Trim 8) | GS08TD(SW)-A5105HW-NC (Trim 5) | GS08TD(SW)-A5112HW-NC (Trim 12) | GS08TD(SW)-SL112HW-NC (Trim 12) | GS08TD(SW)-LF112(ST)HW-NC (Trim 12) |
| 1 | Body | A105N | A105N | A105N | A105N | A105N | 316L | A350-LF2 |
| 2 | Seat | A182-F6a+STL | A182-F6a+STL | A182-F6a+STL | A182-F6a+STL | A182-F6a+STL | 316+STL | 316+STL |
| 3 | Wedge | A182-F6a | A182-F6a+STL | A182-F6a | A182-F6a+STL | 316 | 316 | 316 |
| 4 | Stem | A182-F6a | A182-F6a | A182-F6a | A182-F6a | 316 | 316 | 316 |
| 5 | Bonnet | A105N | A105N | A105N | A105N | A105N | 316L | A350-LF2 |
| 6 | Packing | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite |
| 7 | Gland | A276-410 | A276-410 | A276-410 | A276-410 | A276-410 | A276-316 | A276-410 |
| 8 | Gland Flange | A105 | A105 | A105 | A105 | A105 | 316 | A105 |
| 9 | Stem Nut | A108-1045 | A108-1045 | A108-1045 | A108-1045 | A108-1045 | A276-410 | A108-1045 |
| 10 | Handwheel | QT400 | QT400 | QT400 | QT400 | QT400 | QT400 | QT400 |
| 11 | Lock Nut | A194-2H | A194-2H | A194-2H | A194-2H | A194-2H | A194-8M | A194-4M |
| 12 | Nut | A194-2H | A194-2H | A194-2HM | A194-2HM | A194-2HM | A194-8M | A194-4M |
| 13 | Bolt | A193-B7 | A193-B7 | A193-B7M | A193-B7M | A193-B7M | A193-B8M | A320-L7M |
| 14 | Pin | A276-410 | A276-410 | A276-410 | A276-410 | A276-410 | A276-304 | A276-410 |
| 15 | Bonnet Bolt | A193-B7 | A193-B7 | A193-B7M | A193-B7M | A193-B7M | A193-B8M | A320-L7M |

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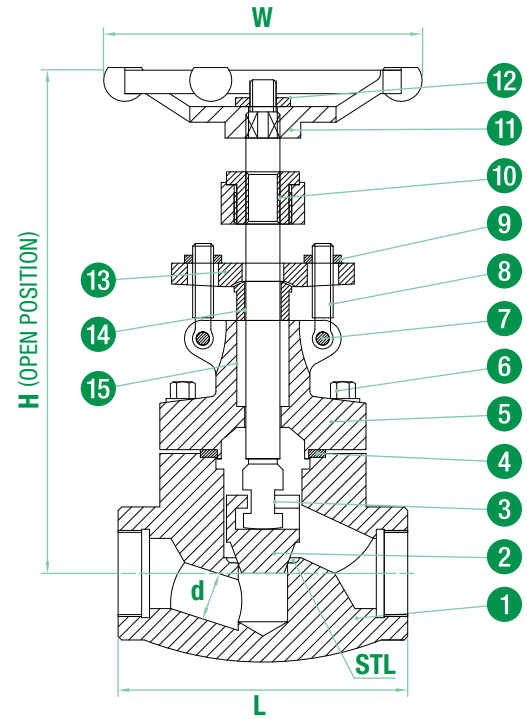
SL08TD(SW)

Class 800 | Forged Steel Globe Valve

ASTM A105N, A350-LF2 and A182-F316L Body & Bonnet

Description

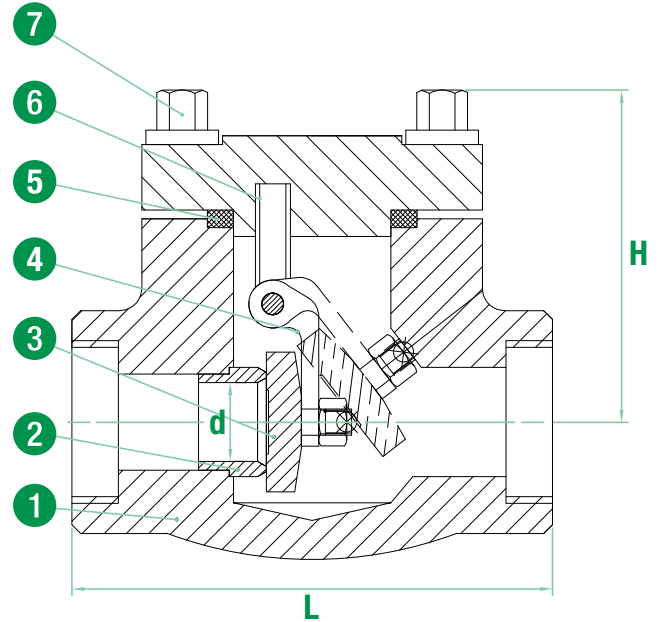
- Forged Carbon or Stainless Steel Body and Bonnet
- Outside Screw and Yoke (OS&Y)
- Rising Stem
- Bolted Bonnet
- Conventional Port
- Solid wedge and Integral Backseat
- ½"–2" Screwed (NPT) or Socket Weld (SW) ends
- Designed to API 602/ASME B16.34
- Tested to API 598
- NPT ends conforms to ASME B1.20.1
- SW ends conforms to ASME B16.11



| Dimensions | | | | | | | | | | |
|------------|-----|-----|-----|-----|-----|------|------|-----|--------|------|
| Size | L | | W | | H | | d | | Weight | |
| | mm | in | mm | in | mm | in | mm | in | kg | lbs |
| 1/2" | 79 | 3.1 | 100 | 3.9 | 166 | 6.5 | 10.3 | 0.4 | 2.2 | 4.9 |
| 3/4" | 92 | 3.6 | 100 | 3.9 | 175 | 6.9 | 12.7 | 0.5 | 2.4 | 5.3 |
| 1" | 111 | 4.4 | 125 | 4.9 | 206 | 8.1 | 17 | 0.7 | 4.1 | 9.0 |
| 1¼" | 120 | 4.7 | 160 | 6.3 | 228 | 9.0 | 23 | 0.9 | 5.8 | 12.8 |
| 1½" | 152 | 6.0 | 160 | 6.3 | 262 | 10.3 | 28 | 1.1 | 7.8 | 17.2 |
| 2" | 172 | 6.8 | 180 | 7.1 | 300 | 11.8 | 36 | 1.4 | 12.1 | 26.7 |

| No. | Part Name | A105N Body | | A105N Body NACE | | | 316L SS Body NACE | LF2 Body NACE |
|-----|--------------|-----------------------------|-----------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|-------------------------------------|
| | | SL08TD(SW)-A5108HW (Trim 8) | SL08TD(SW)-A5105HW (Trim 5) | SL08TD(SW)-A5108HW-NC (Trim 8) | SL08TD(SW)-A5105HW-NC (Trim 5) | SL08TD(SW)-A5112HW-NC (Trim 12) | SL08TD(SW)-SL112HW-NC (Trim 12) | SL08TD(SW)-LF112(ST)HW-NC (Trim 12) |
| 1 | Body / Seat | A105N / STL | A105N / STL | A105N / STL | A105N / STL | A105N / STL | 316L / STL | A350-LF2 / STL |
| 2 | Disc | A182-F6a | A182-F6a+STL | A182-F6a | A182-F6a+STL | 316 | 316 | 316 |
| 3 | Stem | A182-F6a | A182-F6a | A182-F6a | A182-F6a | 316 | 316 | 316 |
| 4 | Gasket | 304+Graphite | 304+Graphite | 304+Graphite | 304+Graphite | 304+Graphite | 304+Graphite | 304+Graphite |
| 5 | Bonnet | A105N | A105N | A105N | A105N | A105N | 316L | A350-LF2 |
| 6 | Bonnet bolt | A193-B7 | A193-B7 | A193-B7M | A193-B7M | A193-B7M | A193-B8M | A320-L7M |
| 7 | Pin | A276-410 | A276-410 | A276-410 | A276-410 | A276-410 | A276-304 | A276-410 |
| 8 | Bolt | A193-B7 | A193-B7 | A193-B7M | A193-B7M | A193-B7M | A193-B8M | A320-L7M |
| 9 | Nut | A194-2H | A194-2H | A194-2HM | A194-2HM | A194-2HM | A194-8M | A194-4M |
| 10 | Stem nut | A108-1045 | A108-1045 | A108-1045 | A108-1045 | A108-1045 | A276-410 | A108-1045 |
| 11 | Handwheel | QT400 | QT400 | QT400 | QT400 | QT400 | QT400 | QT400 |
| 12 | Lock nut | A194-2H | A194-2H | A194-2H | A194-2H | A194-2H | A194-8 | A194-2HM |
| 13 | Gland Flange | A105 | A105 | A105 | A105 | A105 | 316 | A105 |
| 14 | Gland | A276-410 | A276-410 | A276-410 | A276-410 | A276-410 | A276-316 | A276-410 |
| 15 | Packing | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite |

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Description

- Carbon or Stainless Steel Body and Cap
- Bolted Cap
- Conventional Port
- ½"–2" Screwed (NPT) or Socket Weld (SW) ends
- Designed to API 602 / ASME B16.34
- Tested to API 598
- NPT ends conforms to ASME B1.20.1
- SW ends conforms to ASME B16.11

| Dimensions | | | | | | | | |
|------------|-----|-----|-----|-----|------|-----|--------|------|
| Size | L | | H | | d | | Weight | |
| | mm | in | mm | in | mm | in | kg | lbs |
| 1/2" | 79 | 3.1 | 62 | 2.4 | 10.5 | 0.4 | 1.6 | 3.5 |
| 3/4" | 92 | 3.6 | 65 | 2.6 | 13.5 | 0.5 | 1.8 | 4.0 |
| 1" | 111 | 4.4 | 78 | 3.1 | 18 | 0.7 | 2.8 | 6.2 |
| 1¼" | 120 | 4.7 | 85 | 3.3 | 23 | 0.9 | 3.9 | 8.6 |
| 1½" | 120 | 4.7 | 105 | 4.1 | 29 | 1.1 | 4.6 | 10.1 |
| 2" | 140 | 5.5 | 120 | 4.7 | 36 | 1.4 | 7.0 | 15.4 |

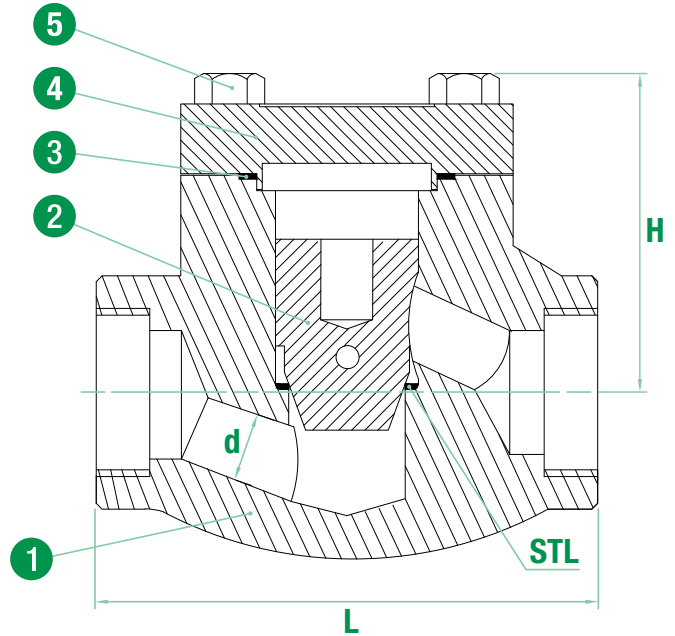
| No. | Part Name | A105N Body | | A105N Body NACE | | | 316L SS Body NACE | LF2 Body NACE |
|-----|-----------|---------------------------|---------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | | CS08TD(SW)-A5108 (Trim 8) | CS08TD(SW)-A5105 (Trim 5) | CS08TD(SW)-A5108-NC (Trim 8) | CS08TD(SW)-A5105-NC (Trim 5) | CS08TD(SW)-A5112-NC (Trim 12) | CS08TD(SW)-SL112-NC (Trim 12) | CS08TD(SW)-LF112-NC (Trim 12) |
| 1 | Body | A105N | A105N | A105N | A105N | A105N | 316L | A350-LF2 |
| 2 | Seat | A182-F6a+STL | A182-F6a+STL | A182-F6a+STL | A182-F6a+STL | 316 | 316+STL | 316+STL |
| 3 | Disc | A182-F6a | A182-F6a+STL | A182-F6a | A182-F6a+STL | A182-F6a+STL | 316 | 316 |
| 4 | Rocker | 304 | 304 | 304 | 304 | 316 | 316 | 304 |
| 5 | Gasket | 304+Graphite | 304+Graphite | 304+Graphite | 304+Graphite | 304+Graphite | 304+Graphite | 304+Graphite |
| 6 | Cap Bolt | A193-B7 | A193-B7 | A193-B7M | A193-B7M | A193-B7M | A193-B8M | A320 L7M |
| 7 | Cap | A105N | A105N | A105N | A105N | A105N | A276-316L | A350-LF2 |

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CP08TD(SW)

Class 800 | Forged Steel Piston/Lift Check Valves

ASTM A105N, A350-LF2 and A182-F316L Body & Cap



Description

- Carbon or Stainless Steel Body and Cap
- Bolted Cap
- Conventional Port
- ½"–2" Screwed (NPT) or Socket Weld (SW) ends
- Designed to API 602 / ASME B16.34
- Tested to API 598
- NPT ends conforms to ASME B1.20.1
- SW ends conforms to ASME B16.11

| Dimensions | | | | | | | | |
|------------|-----|-----|-----|-----|------|-----|--------|------|
| Size | L | | H | | d | | Weight | |
| | mm | in | mm | in | mm | in | kg | lbs |
| 1/2" | 79 | 3.1 | 62 | 2.4 | 10.3 | 0.4 | 1.6 | 3.5 |
| 3/4" | 92 | 3.6 | 65 | 2.6 | 12.7 | 0.5 | 1.8 | 4.0 |
| 1" | 111 | 4.4 | 78 | 3.1 | 17 | 0.7 | 3.1 | 6.8 |
| 1¼" | 120 | 4.7 | 82 | 3.2 | 23 | 0.9 | 4.2 | 9.3 |
| 1½" | 152 | 6.0 | 102 | 4.0 | 28 | 1.1 | 6.4 | 14.1 |
| 2" | 172 | 6.8 | 120 | 4.7 | 36 | 1.4 | 10.0 | 22.0 |

| No. | Part Name | A105N Body | | A105N Body NACE | | | 316L SS Body NACE | LF2 Body NACE |
|-----|-------------|---------------------------|---------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | | CP08TD(SW)-A5108 (Trim 8) | CP08TD(SW)-A5105 (Trim 5) | CP08TD(SW)-A5108-NC (Trim 8) | CP08TD(SW)-A5105-NC (Trim 5) | CP08TD(SW)-A5112-NC (Trim 12) | CP08TD(SW)-SL112-NC (Trim 12) | CP08TD(SW)-LF112-NC (Trim 12) |
| 1 | Body / Seat | A105N / STL | A105N / STL | A105N / STL | A105N / STL | A105N / STL | 316L / STL | A350-LF2 / STL |
| 2 | Disc | A182-F6a | A182-F6a+STL | A182-F6a | A182-F6a+STL | 316 | 316 | 316 |
| 3 | Gasket | 304+Graphite | 304+Graphite | 304+Graphite | 304+Graphite | 304+Graphite | 304+Graphite | 304+Graphite |
| 4 | Cap | A105N | A105N | A105N | A105N | A105N | 316L | A350 LF2 |
| 5 | Cap Bolt | A193-B7 | A193-B7 | A193-B7M | A193-B7M | A193-B7M | A193-B8M | A320-L7M |

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Pressure - Temperature Ratings for Class 800 Forged Steel Valves

| Service Temperature | | Maximum Working Pressure (PSIG) | | | | | | | | | | | |
|---------------------|-----------|---------------------------------|-------|-----------------|-------|--------------|-------|---------------|-------|---------------|-------|------------------------------|-------|
| | | A105 (A)(B) A350-LF (A) | | A182-F11 (F)(I) | | A182-F22 (I) | | A182 F304 (J) | | A182 F316 (J) | | A182 F304L (K) A182 F316L | |
| °F | °C | psig | MPa | psig | MPa | psig | MPa | psig | MPa | psig | MPa | psig | MPa |
| -20 to 100 | -29 to 38 | 1975 | 13.62 | 2000 | 13.79 | 2000 | 13.79 | 1920 | 13.24 | 1920 | 13.24 | 1600 | 11.03 |
| 200 | 50 | 1810 | 13.37 | 2000 | 13.79 | 2000 | 13.79 | 1600 | 12.75 | 1655 | 12.83 | 1365 | 10.67 |
| 300 | 100 | 1745 | 12.43 | 1925 | 13.73 | 1940 | 13.74 | 1435 | 10.90 | 1495 | 11.25 | 1215 | 9.28 |
| 400 | 150 | 1690 | 12.02 | 1850 | 13.26 | 1880 | 13.38 | 1325 | 9.87 | 1370 | 10.27 | 1120 | 8.37 |
| 500 | 200 | 1610 | 11.68 | 1775 | 12.79 | 1775 | 12.96 | 1240 | 9.19 | 1275 | 9.51 | 1050 | 7.78 |
| 600 | 250 | 1515 | 11.18 | 1615 | 12.36 | 1615 | 12.36 | 1180 | 8.67 | 1205 | 8.90 | 990 | 7.32 |
| 650 | 300 | 1465 | 10.62 | 1570 | 11.43 | 1570 | 11.43 | 1150 | 8.24 | 1180 | 8.43 | 975 | 6.95 |
| 700 | 325 | 1415 | 10.32 | 1515 | 11.02 | 1515 | 11.02 | 1125 | 8.06 | 1160 | 8.24 | 960 | 6.79 |
| 750 | 350 | 1350 | 10.02 | 1420 | 10.73 | 1420 | 10.73 | 1100 | 7.90 | 1140 | 8.09 | 940 | 6.68 |
| 800 | 375 | 1100 | 9.70 | 1355 | 10.35 | 1355 | 10.35 | 1080 | 7.74 | 1125 | 7.97 | 920 | 6.60 |
| 850 | 400 | 850 | 9.26 | 1300 | 9.76 | 1300 | 9.76 | 1055 | 7.58 | 1115 | 7.85 | 900 | 6.48 |
| 900 | 425 | 615 | 7.67 | 1200 | 9.34 | 1200 | 9.34 | 1035 | 7.47 | 1105 | 7.77 | – | 6.36 |
| 950 | 450 | 365 | 6.13 | 850 | 9.02 | 1025 | 9.02 | 1020 | 7.31 | 1030 | 7.69 | – | 6.24 |
| 1000 | 475 | 225 | 4.65 | 575 | 8.45 | 710 | 8.45 | 945 | 7.18 | 970 | 7.64 | – | – |
| 1050 | 500 | – | 3.14 | 385 | 6.86 | 466 | 7.53 | 865 | 7.07 | 960 | 7.53 | – | – |
| 1100 | 538 | – | 1.57 | 255 | 3.97 | 295 | 4.92 | 685 | 6.52 | 815 | 6.68 | – | – |
| 1150 | 550 | – | – | 175 | 3.39 | 180 | 4.17 | 545 | 6.28 | 630 | 6.65 | – | – |
| 1200 | 575 | – | – | 110 | 2.35 | 110 | 2.81 | 440 | 5.56 | 495 | 6.38 | – | – |
| 1250 | 600 | – | – | – | 1.63 | – | 1.84 | 355 | 4.50 | 390 | 5.31 | – | – |
| 1300 | 625 | – | – | – | 1.14 | – | 1.19 | 300 | 3.68 | 310 | 4.21 | – | – |
| 1350 | 650 | – | – | – | 0.76 | – | 0.76 | 250 | 3.00 | 255 | 3.38 | – | – |
| 1400 | 675 | – | – | – | – | – | – | 200 | 2.49 | 200 | 2.75 | – | – |
| 1450 | 700 | – | – | – | – | – | – | 155 | 2.14 | 155 | 2.23 | – | – |
| 1500 | 725 | – | – | – | – | – | – | 110 | 1.80 | 110 | 1.87 | – | – |
| – | 750 | – | – | – | – | – | – | – | 1.54 | – | 1.56 | – | – |
| – | 775 | – | – | – | – | – | – | – | 1.21 | – | 1.21 | – | – |
| – | 800 | – | – | – | – | – | – | – | 0.93 | – | 0.93 | – | – |

NOTE: In accordance with API 602, the Pressure/Temperature ratings for Intermediate Class 800, the linear interpolation of Standard Class 600 and Standard Class 900 pressure/temperature ratings listed in ASME B16.34. ASME Boiler and Pressure Vessel Code Section II materials that also meet the requirements of the listed ASTM specification may also be used.

(A) Permissible, but not recommended for prolonged usage above 800 °F (425°C)

(B) Only killed steel shall be used above 850 °F (455°C)

(F) Use normalized and tempered material only

(I) Permissible, but not recommended for prolonged use above 1100 °F (595°C)

(J) At temperature over 1000°F (538°C), use only when carbon content is 0.04% or higher

(K) Not to be used over 800 °F (425°C)

Flow Coefficients (Cv / Kv)

| Size | Gate Valve | | Globe Valve | | Swing Check Valve | | Piston Check Valve | |
|------|------------|------|-------------|------|-------------------|------|--------------------|------|
| | Cv | Kv | Cv | Kv | Cv | Kv | Cv | Kv |
| 1/2" | 4.2 | 3.6 | 1.5 | 1.3 | 4.7 | 4.1 | 1.4 | 1.2 |
| 3/4" | 8.9 | 7.7 | 2.7 | 2.3 | 8.1 | 7.0 | 2.1 | 1.8 |
| 1" | 21.5 | 18.6 | 5.1 | 4.4 | 14.4 | 12.5 | 3.9 | 3.4 |
| 1¼" | 24.9 | 21.5 | 11.2 | 9.7 | 32.1 | 27.8 | 7.8 | 6.7 |
| 1½" | 55.5 | 48.0 | 16.5 | 14.3 | 35.6 | 30.8 | 12.5 | 10.8 |
| 2" | 85.4 | 73.8 | 27.3 | 23.6 | 53.1 | 45.9 | 19.1 | 16.5 |

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- FP. Resilient Seat Gate Valves
- FP. Butterfly Valves
- FP. Check Valves



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- Bronze Fittings and Brass Nipples
- Weld Outlets



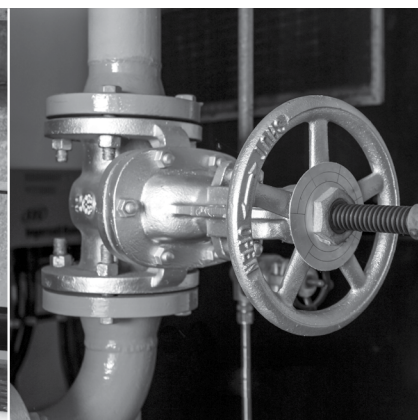
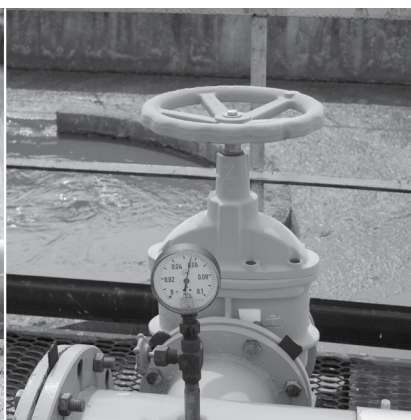
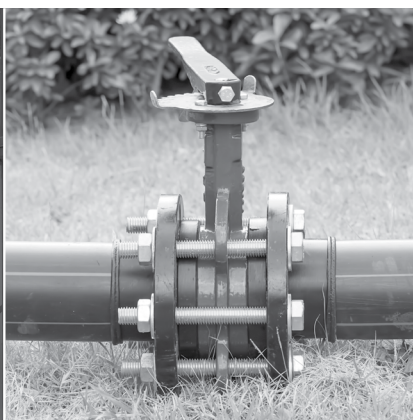
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