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Series H7 Ball Valve

Three-Piece High Pressure Ball Valve

Sizes 1/2" ~ 2"



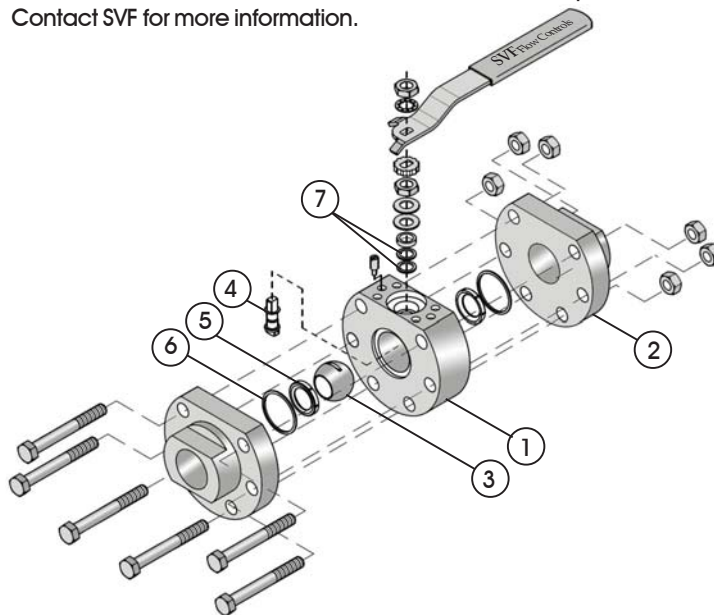
The SVF Series H7 Standard Port high pressure ball valve is designed to meet applications up to 6,000 psi. This engineered valve features a Carbon or Stainless Steel Body and is available in a variety of alloy materials. The H7 adds safety and reliability to high pressure systems and applications in Offshore, Oil & Gas, Petrochemical, Power and Refining.

SERIES H7 DESIGN FEATURES

- ✓ High pressure to 6,000 psi
- ✓ Live-loaded stem packing ensures seal-tight pressure containment even under thermal cycling
- ✓ Three-piece "swing out" design offers easy access for in-line maintenance
- ✓ Standard seat material is Delrin®
- ✓ Blowout proof stem adds safety & reliability
- ✓ Stainless Steel fasteners and handle



The Series H7 Ball Valve is available with additional options. Contact SVF for more information.



MATERIALS OF CONSTRUCTION

| ITEM | DESCRIPTION | MATERIALS SPECIFICATIONS (Additional options available) |
|------|---------------|---|
| 1 | Body | Carbon Steel (ASTM A216 WCB) 316 Stainless Steel (ASTM A351 CF8M) |
| 2 | End Connector | Carbon Steel (ASTM A216 WCB) 316L Stainless Steel (ASTM A351 CF3M) |
| 3 | Ball | 316 Stainless Steel (ASTM A351 CF8M) |
| 4 | Stem | Stainless Steel 17-4 ph (ASTM A564 630) |
| 5 | Seat | Delrin®, PEEK |
| 6 | Body Seal | Buna "N", Viton®, EPDM |
| 7 | Stem Seal | SupraLon™ |

SPECIFICATION STANDARDS OF COMPLIANCE

SVF Series H7 Ball Valves are available in designs that meet the following Industry Standards:

- ANSI
- ASME
- API
- DIN
- ISO
- MSS
- BPE
- NACE
- ASTM

Contact SVF for specific applications

What do you need today?™



Specifications subject to change. Please visit www.SVF.net for the latest updates on this Data Sheet. All Data Sheets posted on our website supersede all prior publications • [Document # SVF_H7_Data_Sheet - 01/24/2012]

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SVF Flow Controls, Inc. • 13560 Larwin Circle • Santa Fe Springs, CA 90670 • Tel: 1.800.783.7836 • FAX: 562.802.3114
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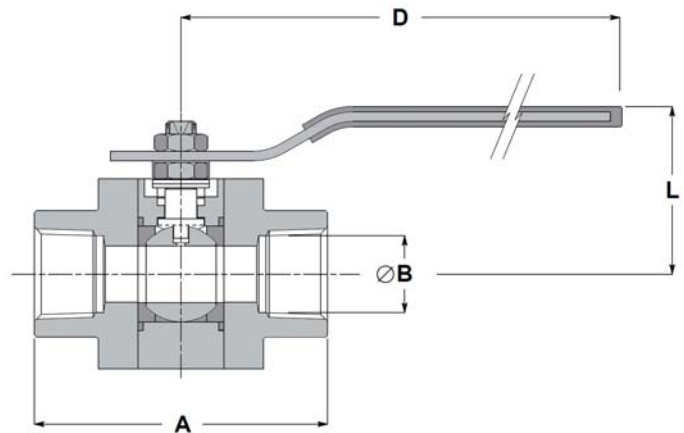
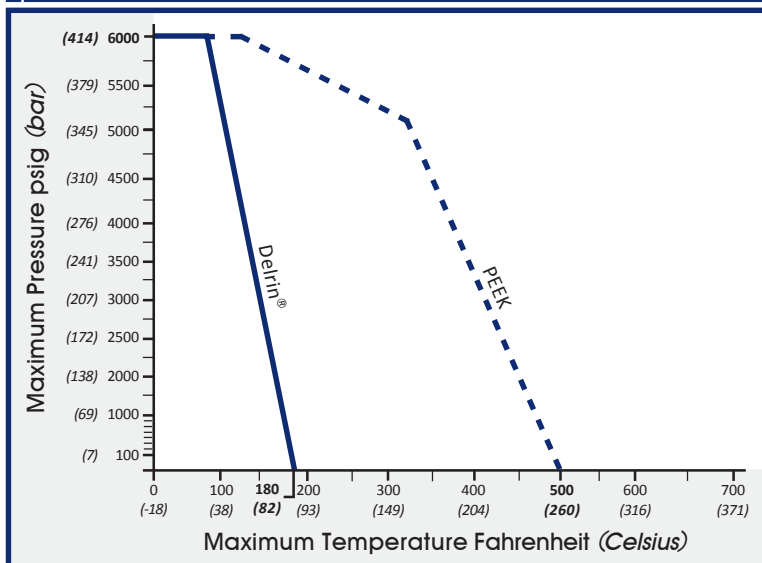


DIMENSIONS, WEIGHT, Cv, TORQUE

| Size | A | | B | | D | | L | | Weight. | | Cv | Torque* | |
|--------|------|-----|------|----|-----|-----|-----|----|---------|------|-----|--------------------|-----|
| | in. | mm | in. | mm | in. | mm | in. | mm | lbs | kg | | in-lb _f | Nm |
| 1/2" | 2.78 | 71 | 0.44 | 11 | 5 | 127 | 1.8 | 46 | 3.5 | 1.6 | 8 | 60 | 7 |
| 3/4" | 3.48 | 88 | 0.56 | 14 | 5 | 127 | 1.9 | 48 | 5.3 | 2.4 | 12 | 200 | 23 |
| 1" | 3.69 | 94 | 0.81 | 21 | 6 | 152 | 2.4 | 61 | 9.9 | 4.5 | 32 | 300 | 34 |
| 1-1/2" | 5.04 | 128 | 1.25 | 32 | 11 | 279 | 3.2 | 81 | 20.9 | 9.5 | 80 | 550 | 62 |
| 2" | 6.14 | 156 | 1.50 | 38 | 11 | 279 | 3.3 | 84 | 28.9 | 13.1 | 104 | 1100 | 124 |

H7 - PRESSURE/TEMPERATURE CHART

* At full differential pressure for clean fluids with Delrin® Seats



HOW TO ORDER SERIES H7 BALL VALVES

| SERIES | BODY & END MATERIAL | BALL & STEM MATERIAL | SEAT | BODY SEAL | ENDS | SIZE |
|-----------------------|--|---|---|---|---|--|
| H7 = Standard Port | 44 = Carbon Steel ASTM A216 WCB 66 = Body: 316 Stainless Steel ASTM A351 CF8M Ends: 316L Stainless Steel ASTM A351 CF3M | 6M = 316 Stainless Steel ASTM A351 CF8M Ball 17-4ph ASTM A564 630 Stem | D = Delrin® K = PEEK | B = Buna "N" V = Viton® E = EPDM | SE = Screwed Ends (FNPT) SW = Socket Weld Ends | 05 = 1/2" 07 = 3/4" 10 = 1" 15 = 1-1/2" 20 = 2" |

Order Example: (H7666MDBSE05)

Example Description:

316 Stainless Steel Body, 316L Stainless Steel Ends, 316 Stainless Steel Ball, 17-4ph Stem, Delrin® Seat, Buna "N" Body Seal, Screwed Ends (FNPT), 1/2" Size

| | | | | | | |
|----|----|----|---|---|----|----|
| H7 | 66 | 6M | D | B | SE | 05 |
|----|----|----|---|---|----|----|

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