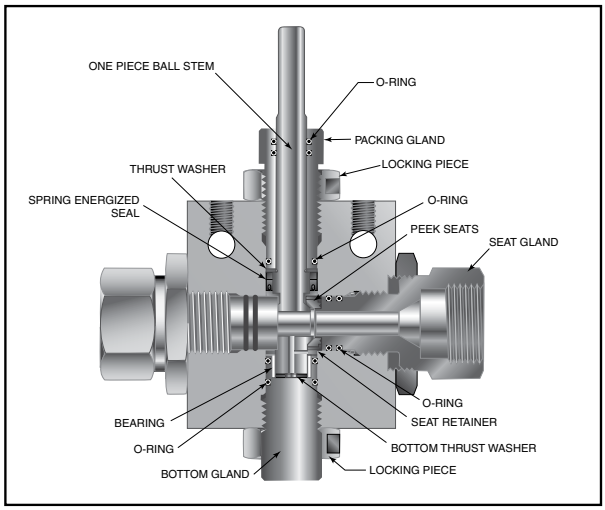
# Ball Valves - 2-Way Subsea Series (3/8" Orifice)

## Pressures to 20,000 psi (1379 bar) .375" (9.52mm) Orifice

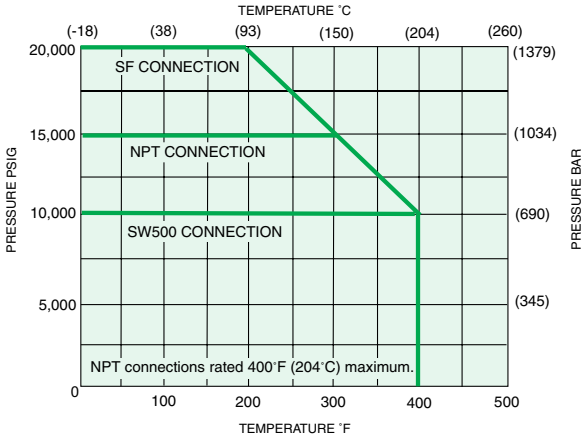
| Connection | MAWP @ Room Temperature | Minimum Orifice inches(mm) |
|---|---|---|
| SW500 | 10,000 psi (690 bar) | .375 (9.52) |
| SF375CX20 | 20,000 psi (1379 bar) | .203 (5.16) |
| SF562CX20 | 20,000 psi (1379 bar) | .312 (7.92) |
| SF750CX20 | 20,000 psi (1379 bar) | .375 (9.52) |
| 1/4" NPT | 15,000 psi (1034 bar) | .375 (9.52) |
| 3/8" NPT | 15,000 psi (1034 bar) | .375 (9.52) |
| 1/2" NPT | 15,000 psi (1034 bar) | .375 (9.52) |
| | Valve $C_V$=3.51 | |

MAWP: Maximum Allowable Working Pressure
$C_V$ listed is for maximum orifice size of .375 inches only.
Consult factory for $C_V$ of valves with reduced orifice sizes.




PRESSURE TEMPERATURE RATINGS




Pressure ratings are determined by the end connections chosen, see chart.

Maximum temperature rating is determined by the o-ring material (see descriptions below).

Maximum pressure rating is determined by the end connection (see table above).

**NOTE: Ball valves are not recommended for critical gas applications such as Hydrogen, Helium or other small molecular gases.**

## Ordering Procedure

For complete information on available end connections, see next page. 2-way ball valves are furnished complete with tube or pipe connections. Standard valve has Buna-N o-rings [250°F (121°C)] max.

Typical catalog number: **S2B 6 S 20 M9**

| S2B | 6 | S | 20 | M9 | — | XXX |
|---|---|---|---|---|---|---|
| **Valve Series** **Subsea**-2-way | **Ball Orifice Diameter** **6**-3/8" (9.52 mm) | **Material** **S** - 316SS (For material options contact factory) | **Pressure (X 1000 psi)** | **End Connection** **M9** - SF562CX20 (See Chart on next page) | | **Options** **V** - Viton: 400°F (204°C) max **EPDM** - Ethylene Propylene: 250°F (121°C) max |



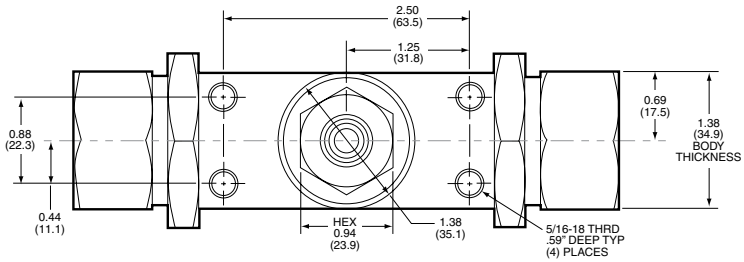
Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

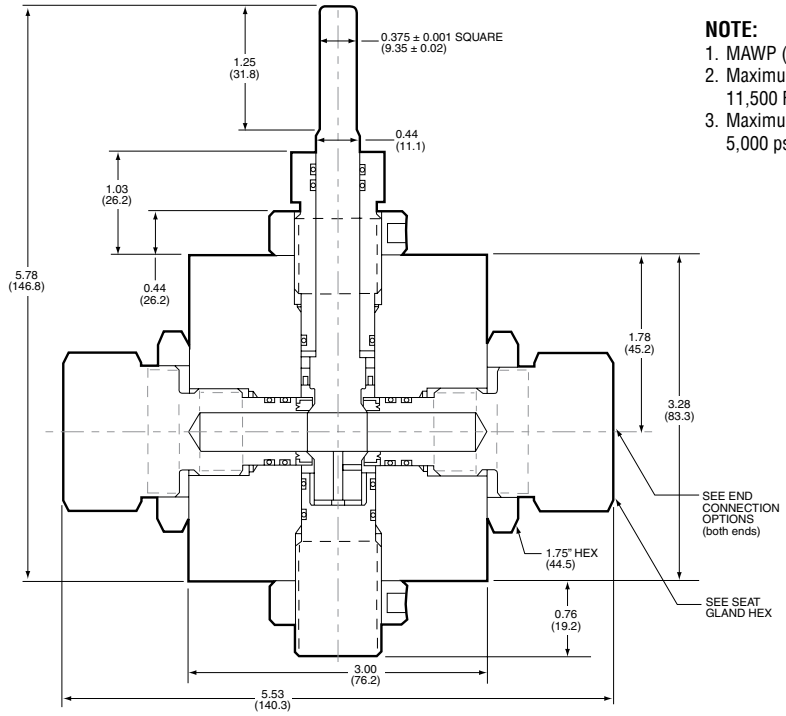
## End Connection Options

| Catalog Number | End Connection Number | Connection | MAWP @ Room Temperature | Seat Gland Hex Inches(mm) |
|---|---|---|---|---|
| S2B6S10L8 | L8 | SW500 | 10,000 psi (690 bar) | 1.38 (35.05) |
| S2B6S20M6 | M6 | SF375CX20 | 20,000 psi (1379 bar) | 1.38 (35.05) |
| S2B6S20M9 | M9 | SF562CX20 | 20,000 psi (1379 bar) | 1.38 (35.05) |
| S2B6S20M12 | M12 | SF750CX20 | 20,000 psi (1379 bar) | 1.38 (35.05) |
| S2B6S15P4 | P4 | 1/4” NPT | 15,000 psi (1034 bar) | 1.38 (35.05) |
| S2B6S15P6 | P6 | 3/8” NPT | 15,000 psi (1034 bar) | 1.38 (35.05) |
| S2B6S15P8 | P8 | 1/2” NPT | 15,000 psi (1034 bar) | 1.38 (35.05) |

MAWP: Maximum Allowable Working Pressure

See ball valve option/details section for end connection details, material, and high temperature options.




**NOTE:**
1. MAWP (See Table)
2. Maximum Sea Depth
   11,500 FT (3505 meters)
3. Maximum External Pressure
   5,000 psi (345 bar)

Dimensions for reference only and subject to change.



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