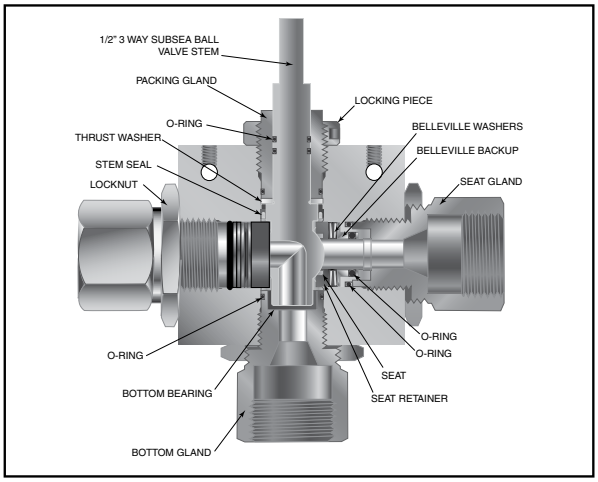
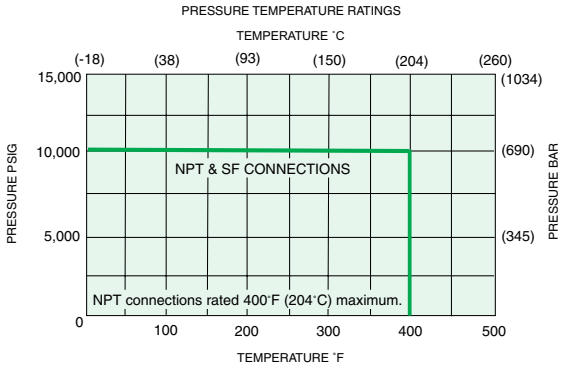
Ball Valves - 3-Way Subsea Series (1/2" Orifice)

Pressures to 10,000 psi (690 bar) .500" (12.7mm) Orifice

Connection	MAWP @ Room Temperature	Minimum Orifice inches(mm)
SF750CX20	10,000 psi (690 bar)	.500 (12.70)
SF1000CX20	10,000 psi (690 bar)	.500 (12.70)
3/4" NPT	10,000 psi (690 bar)	.500 (12.70)
1" NPT	10,000 psi (690 bar)	.500 (12.70)
	Valve C_V=4.4	

MAWP: Maximum Allowable Working Pressure





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: Side inlet pressure not recommended. Bottom inlet pressure only.

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. 3-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: **S3B 8 S 10 M12**

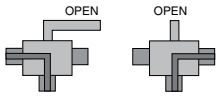
S3B	8	S	10	M12	—	XXX
Valve Series	**Ball Orifice Diameter**	**Material**	**Pressure (X 1000 psi)**	**End Connection**		**Options**
S3B Subsea-3-way **S3BD Subsea**-3-way diverter	**8**-1/2" (12.7 mm)	**S** -316SS (For material options contact factory)		**M12** - SF750CX20 (See Chart on next page)		**V** - 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

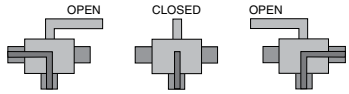
End Connection Options

Catalog Number	End Connection Number	Connection	MAWP @ Room Temperature	Seat Gland Hex Inches(mm)
S3B8S10M12 S3BD8S10M12	M12	SF750CX20	10,000 psi (690 bar)	1.75 (44.5)
S3B8S10M16 S3BD8S10M16	M16	SF1000CX20	10,000 psi (690 bar)	1.75 (44.5)
S3B8S10P12 S3BD8S10P12	P12	3/4" NPT	10,000 psi (690 bar)	1.75 (44.5)
S3B8S10P16 S3BD8S10P16	P16	1" NPT	10,000 psi (690 bar)	1.75 (44.5)

MAWP: Maximum Allowable Working Pressure
See ball valve options for end connection details, material, and high temperature options.

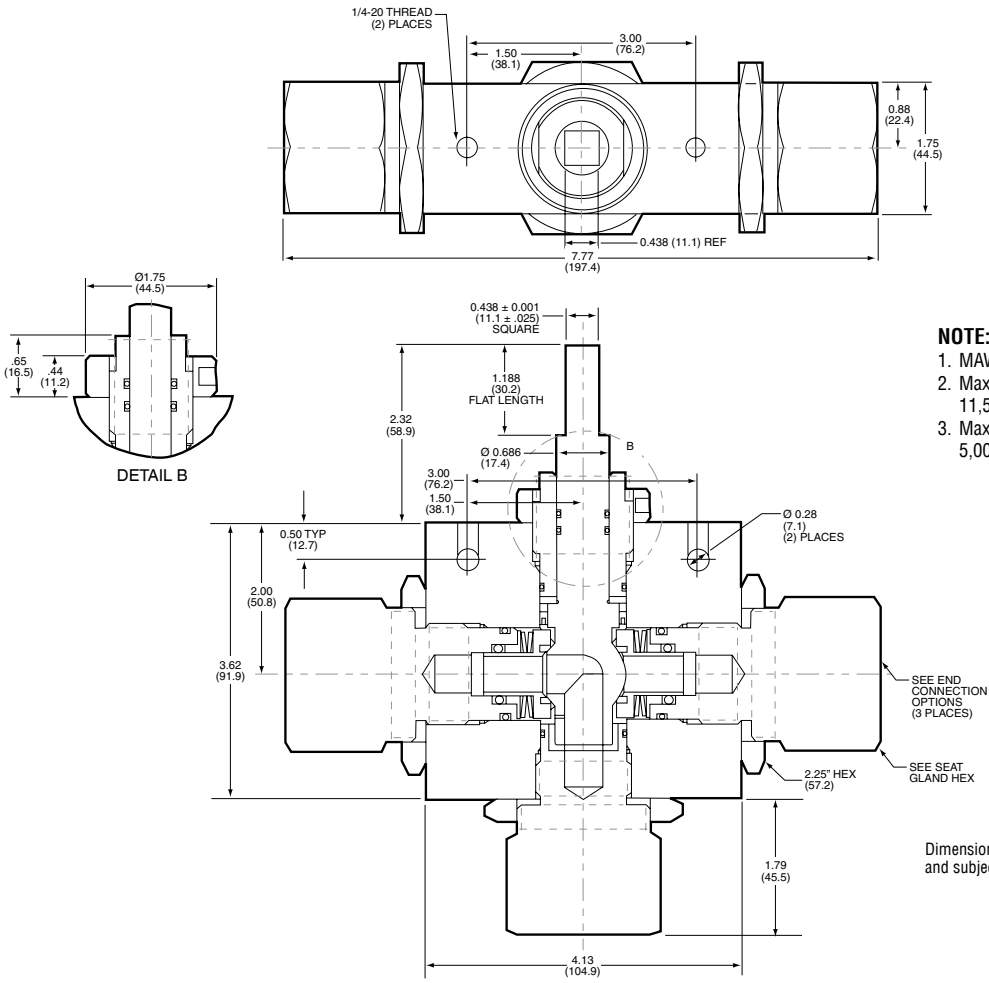


*3-Way Diverter Valve
90° Turn



3-Way Ball Valve
180° Turn

*The Diverter Valve design permits inlet flow through the bottom port. Outlet flow may be diverted to either valve side port.



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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