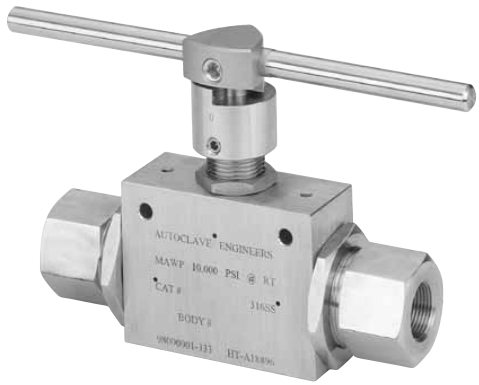
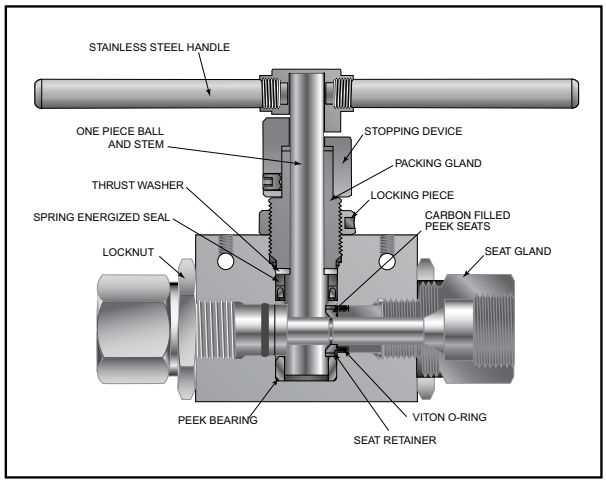
# Ball Valves - 2-Way Series (1" Orifice)

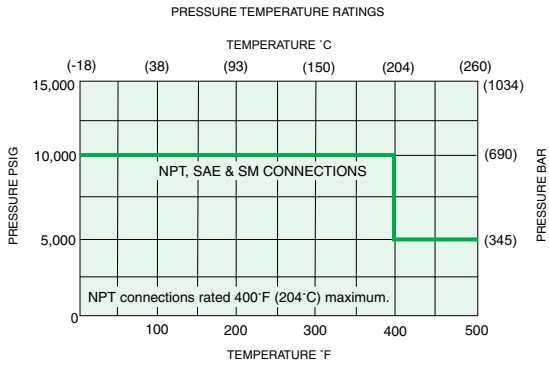
## Pressures to 10,000 psi (690 bar) 1.000" (25.40mm) Orifice

| Connection | MAWP @ Room Temperature | Minimum Orifice Inches (mm) | Valve $C_V$ |
|---|---|---|---|
| SM1500CX10 (Male) | 10,000 psi (690 bar) | .938 (23.83) | 30 |
| 1" SAE (Female) | 10,000 psi (690 bar) | 1.00 (25.40) | 34 |
| 1" NPT (Female) | 10,000 psi (690 bar) | 1.00 (25.40) | 34 |

MAWP: Maximum Allowable Working Pressure






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

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 and material options, see next page. 2-way ball valves are furnished complete with tube or pipe connections.

Typical catalog number: **2B 16 S 10 MA24**

| 2B | 16 | S | 10 | MA24 | — | XXX |
|---|---|---|---|---|---|---|
| **Valve Series** | **Ball Orifice Diameter** | **Material** | **Pressure (X 1000 psi)** | **End Connection** | | **Options** |
| **2B:** 2-way | **16**-1.0" (25.40 mm) | **S** -316SS (For material options contact factory) | | **MA24** - SM1500CX10 (See Chart on next page) | | **HT** - High Temperature (Ball Valve Acutators, see next page.) |



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## End Connection Options

| Catalog Number | End Connection Number | Connection | MAWP @ Room Temperature | Seat Gland Hex Inches(mm) |
|---|---|---|---|---|
| 2B16S10MA24 | M24 | SM1500CX10 (Male) | 10,000 psi (690 bar) | 1.88 (47.6)*Square |
| 2B16S10S16 | S16 | 1" SAE (Female) | 10,000 psi (690 bar) | 1.88 (47.6) |
| 2B16S10P16 | P16 | 1" NPT (Female) | 10,000 psi (690 bar) | 1.88 (47.6) |

MAWP: Maximum Allowable Working Pressure

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

## Ball Valve Options

**Valve Actuators**

Consult Factory

**Actuator Operating Temperature:**

Pneumatic: 0˚F to 175˚F (-17˚C to 79˚C)
Electric: 0˚F to 160˚F (-17˚C to 71˚C)

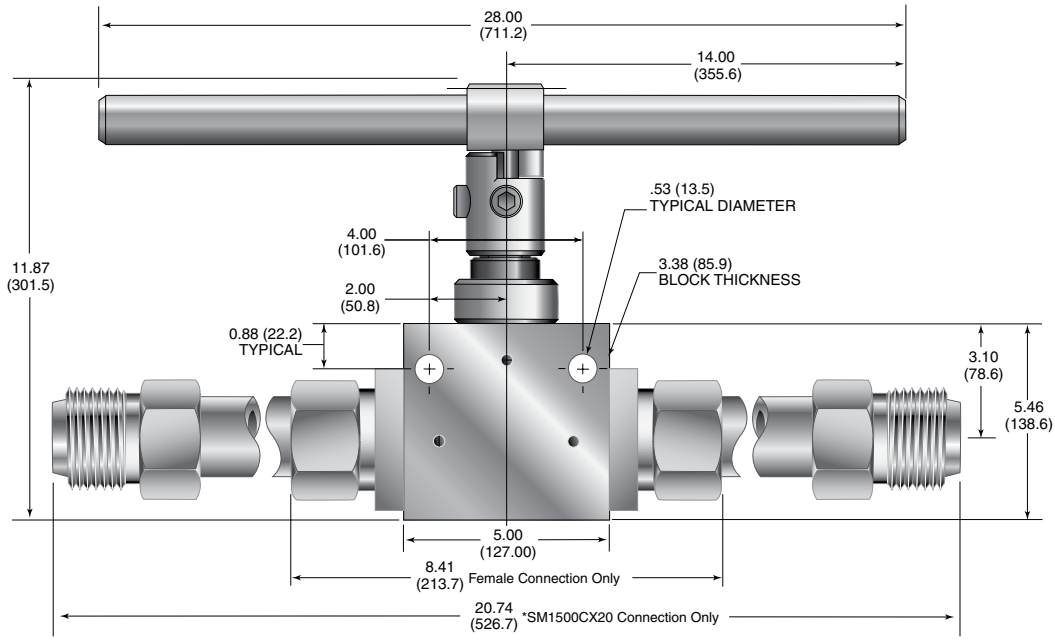
## Valve Maintenance

**Repair Kits:** add "**R**" to the front of valve catalog first 4 numbers for proper repair kit.
(Example: **R2B16S**)

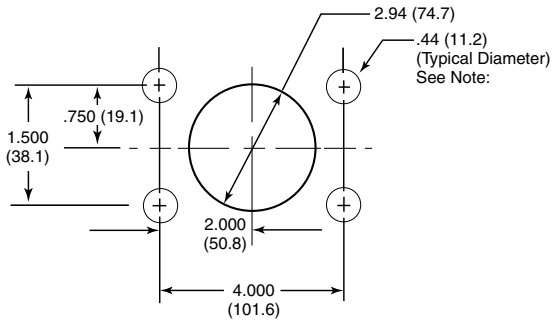
Consult your Parker Autoclave Engineers representative for pricing on repair kits. Refer to the Operation and Maintenance manual for proper maintenance procedures.

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## Ball Valve Dimensions - inches (mm)




## Ball Valve Panel Mounting Dimensions - inches (mm)




All dimensions are for reference only
and are subject to change without notice.
**NOTE:** Body mounting 3/8"-16 thread



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