

**VATAC 3-PIECE BOLTED BALL VALVES**

- Carbon Steel Body/Stainless Steel Trim
- All Stainless Steel Construction
- Threaded, Socket Weld or Butt Weld Ends
- 3/4"-2-1/2" Standard Port
- 1-4"-2" Full Port
- Operating Pressures to 3000 WOG

**GENERAL DESIGN FEATURES**

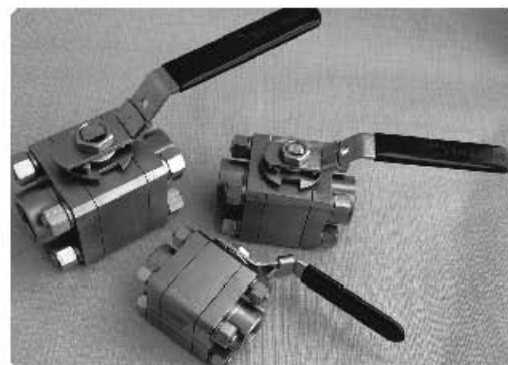
1. Internal Entry Stem
2. Handle With Slide Lock (Optional)
3. ISO 5211 Direct Mount  
Actuator Mounting Pad (Optional)
4. Live Loaded High Cycle,  
TFE V-Ring Style Packing
5. Body Seals For High Temp &  
API 607 Applications
6. Integral Fire Lip
7. Threaded, Socket Weld & Butt Weld  
End Connections Available
8. Full ANSI Class 600 Wall Thicknesses

**AVAILABLE SEAT MATERIALS**

Mineral Filled PTFE  
PEEK  
Delrin

**Available End Connections**

Female NPTF  
Socket Weld  
Butt Weld (Specify Pipe Schedule)

**SPECIFICATIONS**

MSS SP-110	ANSI B16.34
ANSI B1.20.3	API 598
ANSI B16.11	API 607
ANSI B16.25	

**•Size**

1/4-2-1/2	Standard Port
3/4-2	Full Port

**•Body Material**

Carbon Steel, WCB  
Stainless Steel, CF8/CF8M

**•Construction**

Bolted Cover or Unibody

**•Port**

Standard Port  
Full Port

**•End Connection**

NPT  
Socket Weld  
Butt Weld  
NPT x Socket Weld  
NPT x Butt Weld

**•Seat & Seal Material**

Standard Options	
Seat	Packing/Body Seal
Mineral Filled	PTFE
PEEK	Graphite
Delrin	PTFE / PTFE
Firesafe Options	
Mineral Filled PTFE	Graphite

**•Ball & Stem**

316 Stainless Steel (17-4 Stem)

**•Packing**

PTFE, Standard Trim  
Graphite, API 607 4th Edition Firesafe

**•Configuration**

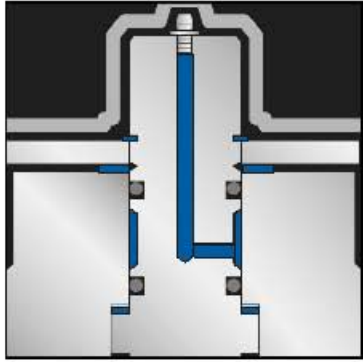
Live Loaded Stem

**•Options**

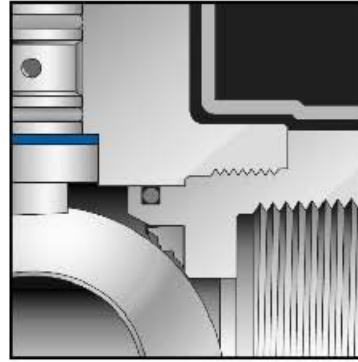
Lever Locking Handle  
Oval Locking Handle  
Extended Locking  
Extended Oval Locking  
TFE Coated 316SS  
Vented Ball  
Carbon Bolting  
Oxygen Cleaned  
Grounded Ball & Stem



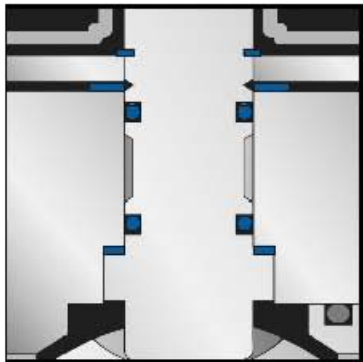
## VATAC THREADED, WELDED &amp; GROOVED-END FLOATING BALL VALVES GENERAL DESIGN FEATURES

**STEM JOURNAL LUBRICATION**

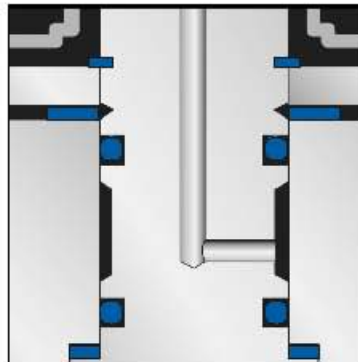
Valves that utilize an external stem lubrication fitting also incorporate a vented weather seal which allows safe pressure relief in the event of excessive grease gun pressure.

**FIRE SAFE DESIGN/ CERTIFIED**

Upon destruction of the seat (in the event of a fire) the ball floats downstream to provide metal-to-metal contact behind the seat area. Pressure assisted shut-off prevents fire feeding leakage.

**BLOWOUT PROOF STEM**

Internally inserted "back-seated" stem assures fire safety and blowout prevention by retaining stem in the valve at all pressures.

**WEATHER SEAL**

Weather seals are utilized in most Vatac Ball Valves to effectively eliminate stem journal corrosion, abrasion and galling. (Optional)

**FIGHT THE COST OF CORROSION**

Prolong the life of your Valves by reducing corrosion with anti-corrosive Coating. Consult factory for more information.

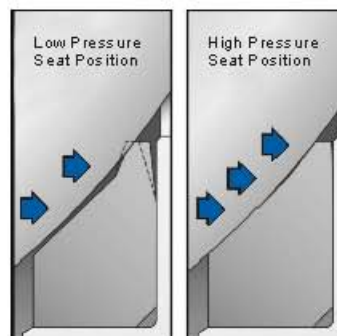
**SECURE YOUR INVESTMENT**

A majority of the Threaded/ Grooved Ball Valves come standard with an integral locking ear to prevent unauthorized operations.

\*Padlocks not included.

**STANDARD HANDLE, STEM WRENCH AREA**

Vatac Ball Valves are equipped with durable handles as a standard feature. Valves can also be provided with square nut assemblies. The heavy-duty flattened stem design allows usage of standard wrenches when necessary to conserve space and prevent accidental operation.

**HIGH PRESSURE SEAT POSITION**

The Vatac seat lip deflects slightly at higher pressures to ensure full seat-to-ball contact. The seat's "memory-action" provides bubble-tight sealing at low and high pressures. This "self compensation for swell" feature results in low torque and long life operation.

**LOW PRESSURE SEAT POSITION**

An integral seat lip provides positive low pressure "bubble-tight" sealing of ball and seat. The assembly preload insures constant surface load of ball to seat with minimal operating torque.