

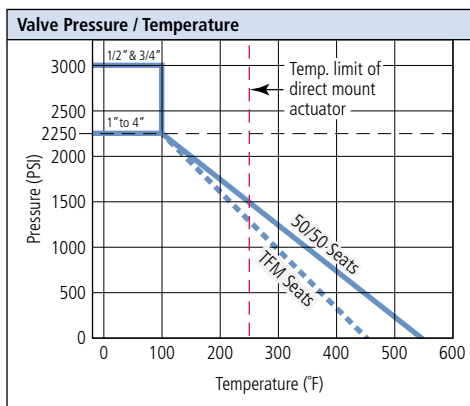
HPF Series

High Performance Fire-Safe 3-piece, Full Port, 2-way Ball Valves



SPECIAL OPTIONS

- Secondary media containment unit
- Stem extension for cryogenic service



The Assured Automation HPF Series 3-piece, Full Port, Ball Valves are superior quality, rugged, and universal purpose valves for all fluids ideal for saturated or superheated steam, slurries, semi-solids and corrosive services in endless industrial, chemical, power, gas, paper and original equipment applications.

A full range of accessory items are available including limit switches, solenoid valves, positioners and manual override devices

FEATURES

- Fire Safe Certified to API 607 4th Edition
- Three piece design with swing out body for easy access to internal components
- Dual body seals are fully contained and protected
- Anti-static grounding device
- Blow-out-proof stem with superior seal design
- High-strength stem with parallel head for positive ball position indication
- Secure body bolting: bolts are fully encapsulated and secure directly into tapped holes in the body
- ISO 5211 actuator mounting pad
- Weld-in-place: heat sink construction allows welding of fully assembled valve without damaging the seats
- Vented Ball: 1/8" hole drilled into stem slot to prevent excessive pressure build-up in cavity while valve is in open position

TYPICAL APPLICATIONS

- Saturated steam service
- Chemical process lines
- High temperature media
- High pressure applications
- Cryogenic service (with special seats and stem extension)
- Fugitive emission applications (with secondary media containment)

HPF SERIES MODEL NUMBERING

Model Number **XHPFXXXXX**

Size: _____

C = 1/2"

D = 3/4"

E = 1"

G = 1 1/2"

H = 2"

J = 3"

K = 4"

Connection Type: _____

N = FNPT

S = Socket Weld

Valve Body Material: _____

C = Carbon Steel

S = Stainless Steel

Top Seal Material: _____

F = TFM (not Fire-Safe)

G = Graphite (standard)

Ball Seat Material: _____

F = TFM

S = 50/50 SS/PTFE

Actuator: _____

A variety of actuators with accessories are available:

Pneumatic

- spring return or direct acting
- NAMUR solenoid valves
- push fittings
- limit switches
- positioners

Electric

- various IP ratings and voltages
- modulating or on/off

Manual

- standard lever or lockable

TEMPERATURE RANGE

TFM: -20°F to 450°F

50/50: -20°F to 550°F (see P/T curve on left)

PRESSURE RANGE

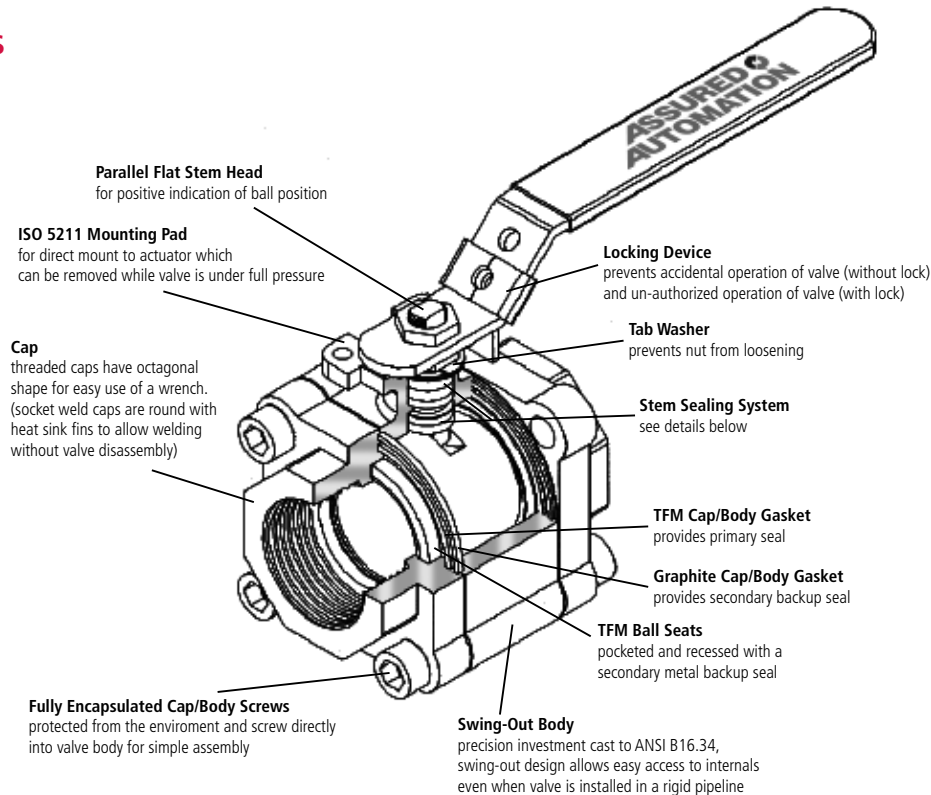
1/2" & 3/4": 29 inHg to 3000 psi

1" to 4": 29 inHg to 2250 psi

HPF Series

High Performance Fire-Safe 3-piece 2-way Ball Valves (Product Features and Stem Sealing System Details)

PARTS & FEATURES



SUPERIOR STEM SEALING SYSTEM

Incorporating a triple set of valve stem seals, this unique system eliminates the possibility of valve stem leaks in most all media applications.

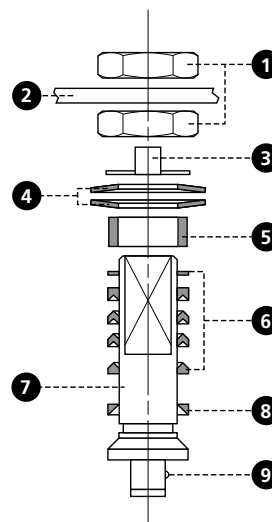
Improved thrust washer design allows more sealing surface effectively blocking all leak paths during rotation.

V-Ring Packing Set expands sideways as it is compressed and pressurized blocking all air pockets.

The superior stem system is energized by Belleville washers which continuously adjusts packing compression to compensate for wear, pressure, or temperature fluctuations

Optional Viton O-Ring can be added

Note: Standard Valve is Fire Safe Design with Graphite Packing.



PARTS

1. Stem Nuts
2. Manual Handle Lever
3. Tabbed Lock Washer
4. Belleville Washers
5. Packing Follower
6. V-ring Stem Packing
7. Stem
8. Thrust Bearing
9. Anti-static device