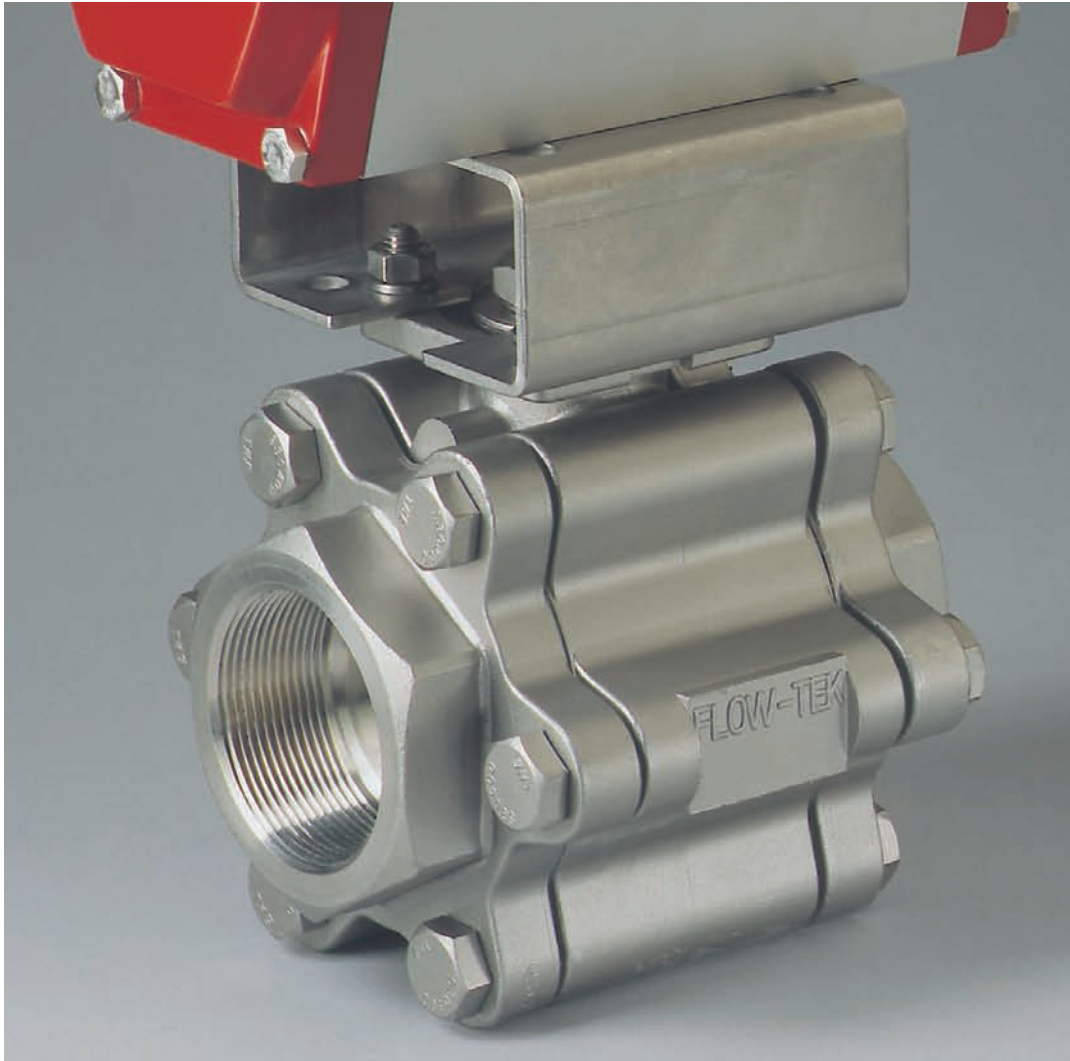


## High Pressure 3 Piece Ball Valves Standard Port: 1/4" - 2"

### Triad Series

Model HP



Flow-Tek's Triad Series valves are known to be one of the strongest, most robust 3-piece ball valves in the industry. With advanced seat and seal materials, the Triad rating can be extended to handle service pressures to 5000 psi and a temperature of 550°F.

Triad HP valves feature PEEK seats. Flow-Tek's PEEK material is a blend of polyetheretherketone, a highly engineered thermoplastic, with carbon and graphite. PEEK offers excellent abrasion and corrosion resistance under continuous exposure to high pressure and high temperature.

All features of the standard Triad Series are present in the Triad HP design including a heavy robust center section tapped for full hex head cap screws, live loaded stem packing, redundant body seals, anti-static protection and locking safety handles.

As with most Flow-Tek valve designs, the Triad HP comes standard with an integrally cast top flange designed for ease of actuator mounting. The Secure Mount provides positive mounting, eliminating unwanted actuator movement during high cycle or continuous duty applications. Actuators and other accessories can be easily and safely removed while the valve is under full line pressure.

#### End Connections

- Threaded
- Socket Weld
- Extended Butt Weld

## Specifications

### Valve Sizes 1/4" through 2"

Threaded End Connections meet  
ASME B1.20.1 NPT.

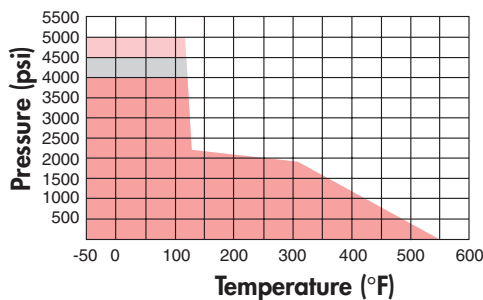
Socket Weld End Connections meet  
ASME B16.11.

All Triad Series valves are designed to  
meet ASME B16.34.

Valves meet NACE MR0175.

Valve body and end connections are  
high quality investment cast and solution  
annealed/normalized.

### Pressure/Temperature



- 1/4" - 3/4" Valves
- 1" - 1-1/4" Valves
- 1 1/2" - 2" Valves

**Note:** Carbon Steel valves are  
limited to -20°F.

For a full explanation of the valve features  
and dimensions please see Flow-Tek's  
Triad Series brochure.

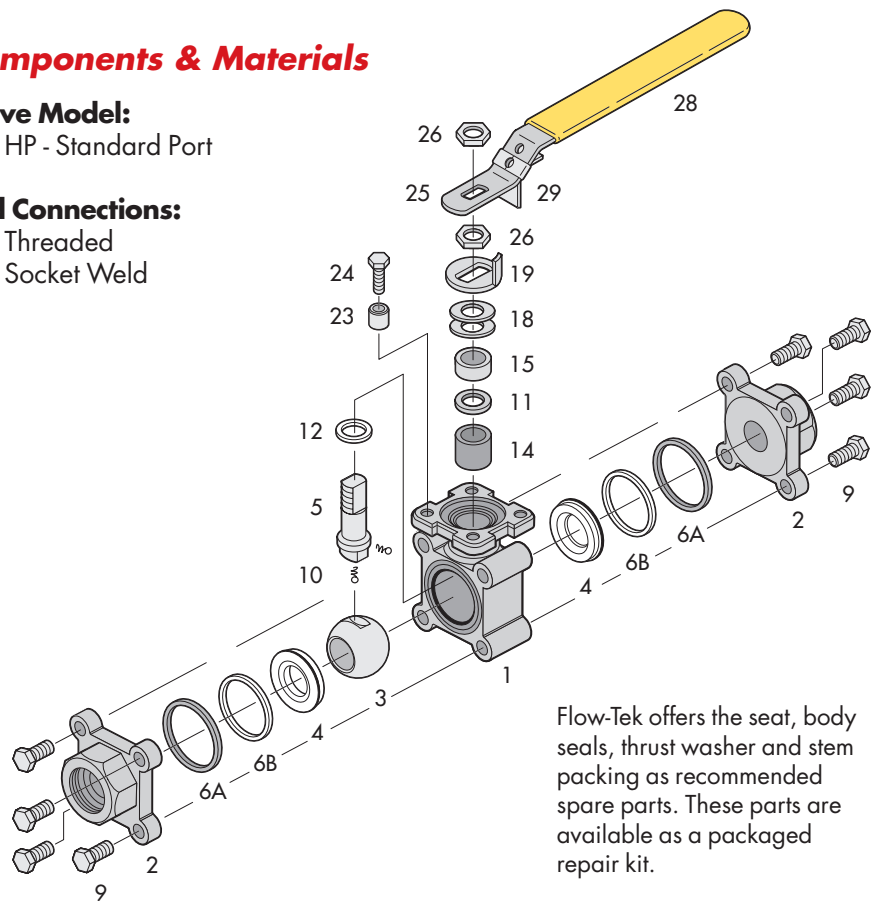
## Components & Materials

### Valve Model:

- HP - Standard Port

### End Connections:

- Threaded
- Socket Weld



Flow-Tek offers the seat, body  
seals, thrust washer and stem  
packing as recommended  
spare parts. These parts are  
available as a packaged  
repair kit.

Item	Name	Stainless Steel	Carbon Steel	Qty.
1	Body	ASTM A351 Gr CF8M	ASTM A216 Gr WCB	1
2	End Cap	ASTM A351 Gr CF8M	ASTM A216 Gr WCB	2
3	Ball	ASTM A351 Gr CF8M	ASTM A351 Gr CF8M	1
4	Seat	PEEK	PEEK	2
5	Stem	ASTM A479 Type316	ASTM A479 Type316	1
6A	Body Seal	Graphite	Graphite	2
6B	Body Seal	TFM	TFM	2
9	Body Bolt	ASTM A193 B8	ASTM A193 B8	8†
10	Anti-Static Device	SS316	SS316	2
11	Packing Protector	PEEK	PEEK	1
12	Thrust Washer	PEEK	PEEK	1
14	Stem Packing	Graphite	Graphite	1
15	Packing Gland Sleeve	SS304	SS304	1
18	Belleville Washer	SS301	SS301	2
19	Tab Lock Washer	SS300	SS300	1
23	Travel Stop Set Sleeve	SS304	SS304	1
24	Travel Stop Bolt	SS300	SS300	1
25	Handle	SS304	SS304	1
26	Lock Nut	SS304	SS304	2
28	Handle Sleeve	Vinyl	Vinyl	1
29	Locking Device	SS304	SS304	1

†12 for 2" HP



# Flow-Tek®

A Subsidiary of BRAY INTERNATIONAL, Inc.  
8323 N. Eldridge Pkwy #100 Houston, Texas 77041  
832.912.2300 Fax: 832.912.2301  
www.flow-tek.com

All statements, technical information, and recommendations in this  
bulletin are for general use only. Consult Flow-Tek representatives  
or factory for the specific requirements and material selection for  
your intended application. The right to change or modify product  
design or product without prior notice is reserved.

Flow-Tek® is a registered trademark of Flow-Tek, Inc.  
© 2010 Flow-Tek, Inc.  
F-2305\_EN\_TriadHP\_2010-04