

TRIAD HP SERIES

HIGH PRESSURE 3 PIECE BALL VALVES

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.

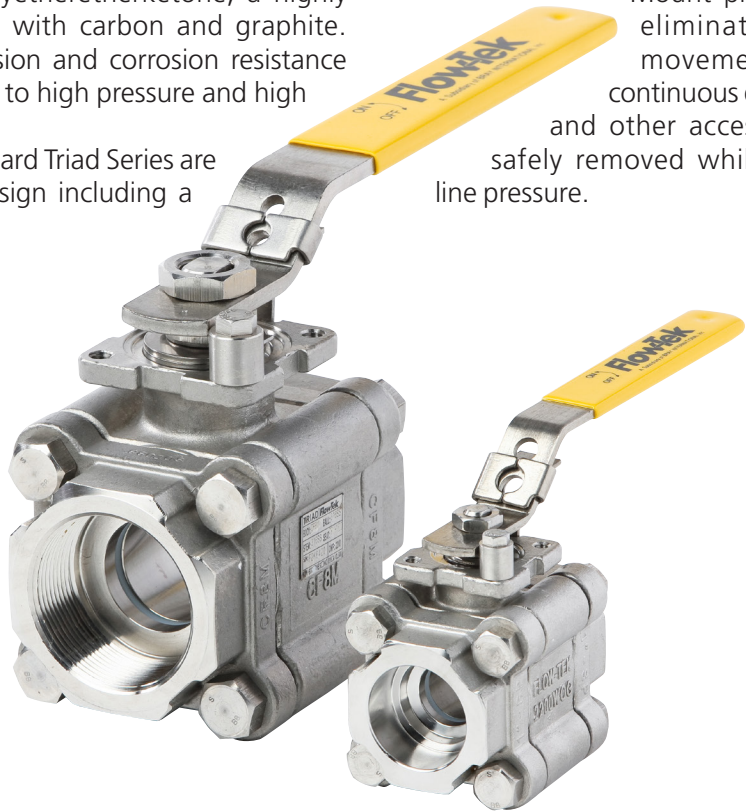
All features of the standard Triad Series are present in the Triad HP design including a

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.



Size	Pressure Rating	Temperature Range	End Connections	Body Material
1/4" to 2" 8mm to 80mm	5000 psi CWP 344 bar	-50°F to +550°F -46°C to +287°C	Threaded Socket Weld Extended Butt Weld	Stainless Steel Carbon Steel

SPECIFICATIONS

Valve Sizes ¼" through 2"

- Threaded end connections meet ASME B1.20.1 NPT.
- Socket weld end connections meet ASME B16.11.
- Valves meet NACE MR0175.
- Valve body and end connections are high quality investment cast and solution annealed/normalized.

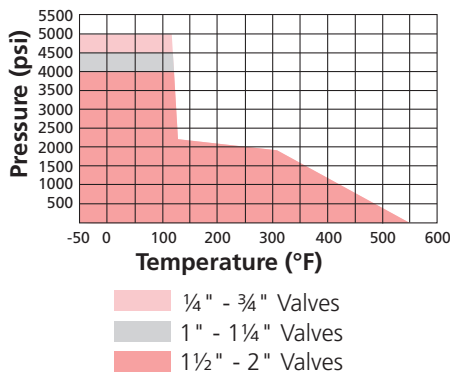
Valve Model:

- HP - Standard Port

End Connections:

- Threaded
- Socket Weld
- Extended Butt Weld

PRESSURE/TEMPERATURE

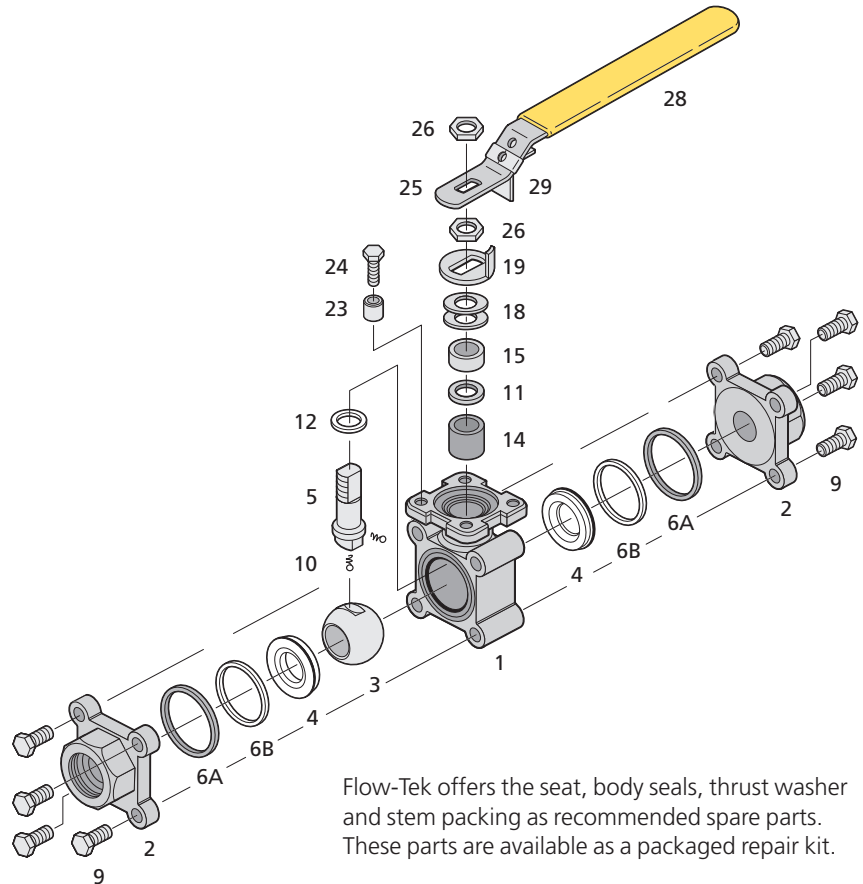


Note: Carbon Steel valves are limited to -20°F.

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

Components & Materials				
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 ¹
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

¹12 for 2" HP



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.