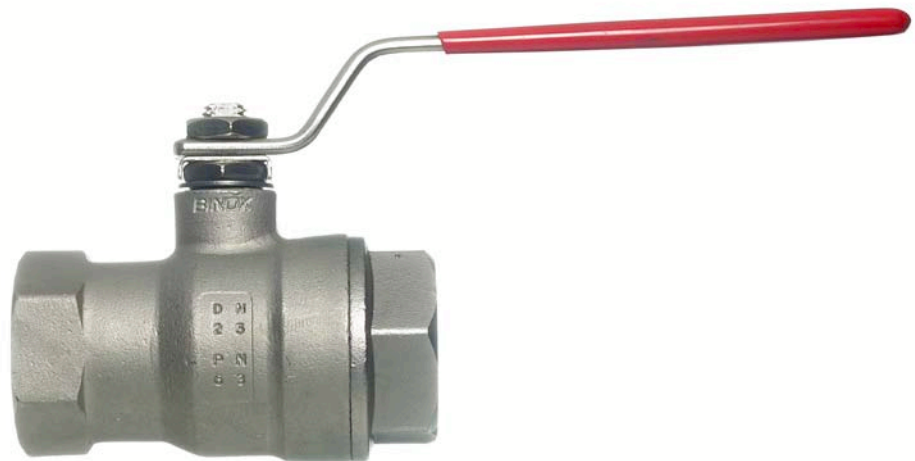


FULL BORE STAINLESS STEEL BALL VALVES

TENAX A.410



TENAX and **SAPHIR** ball valves in stainless steel, of solid and advanced design

- In order to keep tolerances and material quality constant, investment casting of body and end adapter was preferred to forging, with careful subsequent toolings on CNC machines, which guarantee a high quality standard.
- Leading design and accurate machining and finishing of the valves guarantee a perfect tightness and lifetime troubleless working operations.

TECHNICAL FEATURES

- Triple sealing blow out-proof stem.
- Two spring washers on top of the stem packing.
- Quarter turn stop working also without lever.
- Full bore.

END CONNECTIONS

- Female screwed to ISO 7/1 Rp = DIN 2999.
- Male screwed to ISO 228/1 = DIN 259.
- Special threads (BSPT, NPT, etc.) available on request.

WORKING PRESSURE

- PN 100 (1/4") to PN 40 (2")

TEMPERATURE LIMITS

- From -20°C to +150°C

UTILISATION

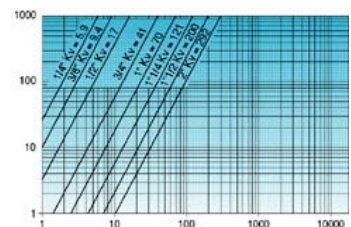
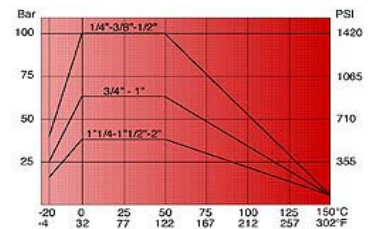
- Chemicals, oil derivatives, hydraulics, pneumatics, water, gases, steam and vacuum.

SPECIAL EXECUTIONS

- Special executions of valves fitted with gaskets and seals in P.T.F.E. 15% glassfiber reinforced are available for higher pressure/temperature performances.

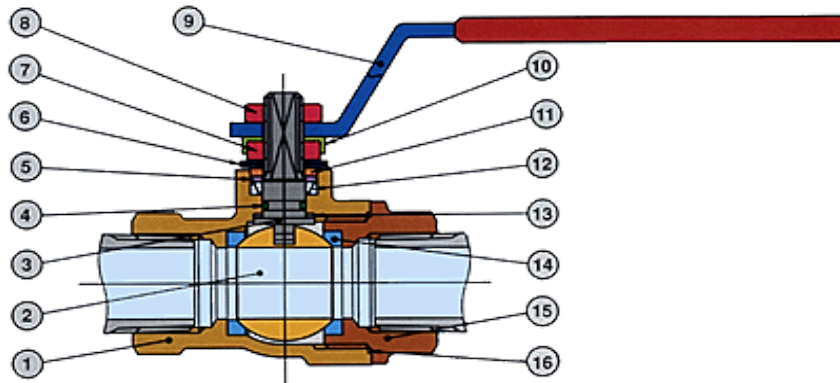
AVAILABLE ACCESSORIES

- Extended stem for insulated pipes.

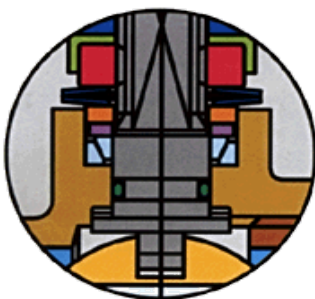


TENAX - SAPHIR

COMPONENTS AND MATERIAL SPECIFICATION



ITEM	DESCRIPTION	MATERIAL	
1 Body	Investment casting	AISI 316	D 1.4408
2 Ball	Forged	AISI 316	D 1.4401
3 Stem	From bar	AISI 316	D 1.4401
4 O-Ring	Green or black	Fluoroelastomer	
5 Packing washer	From bar	AISI 304	D 1.4301
6 Spring washers	Drawn	AISI 301	D 1.4310
7 Stem retaining	Forged	AISI 304	D 1.4301
8 Locking nut	Forged	AISI 304	D 1.4301
9 Lever handle	P.V.C. insulated red colour	AISI 304	D 1.4301
10 Fixing-nut	Blanked	AISI 304	D 1.4301
11 Operation-stop	Blanked	AISI 304	D 1.4301
12 Stem packing	From bar	Virgin P.T.F.E.	
13 Thrust washer	From bar	Virgin P.T.F.E.	
14 Ball seats	From bar	Virgin P.T.F.E.	
15 End adapter	Investment casting	AISI 316	D 1.4408
16 Static gasket	From bar	Virgin P.T.F.E.	



TRIPLE SEALING BLOW OUT-PROOF STEM

- TENAX and SAPHIR ball valves are bottom loaded stem designed to prevent blow-out, with a triple sealing: in the upper part two conical gaskets in PTFE and one O-Ring in Fluoroelastomer and a thrust washer in PTFE in the lower part.
- The patented and automatic system guarantees a perfect tight seal in any working condition, thanks to the two spring washers that maintain a constant pressure on the seats, and that, by taking up slackenings, exclude any need for maintenance.



MODELS

- | | |
|-------|--|
| A.410 | TENAX female/female, lever handle |
| A.411 | TENAX male/female, lever handle |
| A.413 | TENAX female/female, T-handle |
| A.414 | TENAX male/female, T-handle |
| A.420 | SAPHIR polished, female/female, lever handle |
| A.421 | SAPHIR polished, male/female, lever handle |
| A.423 | SAPHIR polished, female/female, T-handle |
| A.424 | SAPHIR polished, male/female, T-handle |