FULLY WELDED TRUNNION BALL VALVES

HIGH-PERFORMANCE VALVES FOR OIL & GAS, WATER, AND ENERGY APPLICATIONS



PRODUCT INFORMATION

Negri Fratelli fully welded trunnion ball valves are designed for **maximum safety, reliability, and long-term performance**. Their fully welded construction eliminates leaks and minimizes maintenance, making them ideal for **both buried and above-ground installations**.

These valves are suitable for a wide range of applications, including **gas and hydrogen distribution and transmission pipelines, compressor and measuring stations, gas storage facilities, industrial plants, and district heating networks.**

KEY FEATURES

- **Fully welded body**
- **Full or reduced bore** options
- **Bi-directional sealing** with **Double Block & Bleed (DBB)** design
- **Solid ball** with a cylindrical bore and no internal cavities
- **Single-piston seats** with self-relieving effect
- **Anti-ejection stem**
- **Multiple actuation options:** manual lever, square or gearbox (removable or fixed, with handwheel or 90° deviation), or actuator-operated
- **Testing:** hydrostatic and pneumatic tests to API 6D, EN 13774, EN 14141. Other testing upon request

OPTIONAL FEATURES

- **Firesafe certified design:** API 607 and ISO 10497 compliant
- **Antistatic device**
- **Double piston effect seats, DIB-1 / DIB-2 seats, Primary Metal Secondary Soft (PMSS) or metal-to-metal sealing**
- **Stem and seat sealant injection systems**
- **Drain and vent devices,** complete with ball valve and/or plug, for DBB testing andmaintenance
- **Stem extensions** – fixed, adjustable, or telescopic for underground use
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- **Pipeline vent devices,** complete with pre-assembled vent ball valves
- **Locking devices**
- **Custom pup pieces or specified end-to-end dimensions**
- Pre-installed **polyethylene ends**

TECHNICAL SPECIFICATIONS

Design standards	API 6D, ASME B16.34, ASME VIII DIV. 1 / 2, NACE MR0175, EN 13774, EN 14141, EN ISO 14313, EN 13942, EN ISO 17292
Pressure rating	ASME 150 to ASME 2500, PN 6 to PN 420
Temperature range	–10°C to +70°C (other ranges on request)
Size range	up to DN 900 (36”)
End connections	Butt-welding, flanged, socket-welding, threaded, or mixed types

MATERIALS

Body and closures	carbon steel, obtained from forging, bar stock, or pipe
Ball and seat rings	standard ASTM A350 Gr. LF2, other materials on request
Seats inserts	soft (delta ring in FKM, HNBR, or thermoplastic polymers such as RPTFE, Devlon, or Peek) or metal (Tungsten/Chrome Carbide coating), other materials on request
Seals	FKM, HNBR, FFKM, EPDM, graphite (other materials and solutions on request)

CERTIFICATIONS

Design & Construction	API 6D, EN 13774
Firesafe	API 607, EN ISO 10497
Pressure Equipment Directive (PED)	2014/68/EU
ATEX certification	2014/34/EU

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