

ZERO LEAKAGE VALVES



ZL SERIES | PIPELINE VALVES

The Oliver Twinsafe ZL-Series of trunnion-mounted metal seated ball valves have been engineered to provide true zero leakage, bubble tight isolation capability and repeatability to give longevity in service.

The valve design incorporates field proven metal to metal seating, with carefully selected, low permeable coatings and advanced ball/seat geometries, to provide zero through seat leakage performance.

The robust trunnion design ensures low operating torques, with ISO mounting pad suitable for gear operation or actuator mounting. Custom body and trim materials available based on process application and project requirements

Valve Design	API 6D, API 6A
Pressure Class	ASME Class 150 – 2500 API 6A 3000, 5000, 10,000
Temperature Range	-50°C to +350°C
End Connections	Flanged, Butt Weld, Hub
Size Range	1 to 18 in (DN25 to DN500)

DESIGN FEATURES

High integrity HVOF coating of ball and seats
Single Isolate, DIB or DBB designs available
Forged 1 piece compact body, 2 piece or 3 piece body designs
Bi-directional sealing
Suitable and proven for high-cycle operations (in house testing zero leakage over 400 cycles)
Anti-static device
Anti-Blow out stem
Self-relieving seats
O ring and Lip Seal seals available
Low fugitive emission packing available
Weld overlay of full through bore or sealing areas available
Manual or actuated operation (electric/pneumatic/hydraulic)

TESTING & CERTIFICATION

- Firesafe qualification testing to ISO 10497, API 6FA and API 607
- Fugitive Emission Testing to ISO 15848
- Pressure Equipment Directive 2014/68/EU
- API 6A PR2 Annex F qualification testing – Independently witnessed
- Shell qualification testing to MESC 77/300 – Shell witnessed



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Customised Valve Specialist

APPLICATIONS: UPSTREAM OIL & GAS, MEDIA WITH SOLIDS, HIGH PRESSURE & HIGH TEMPERATURE