oliver twinsafe

1” TO 24” DOUBLE BLOCK & BLEED PIPELINE VALVES SOLUTIONS TO A STANDARD ASME B16.10 LENGTH
EVERYTHING IN THIS BROCHURE IS AVAILABLE AS A SINGLE ISOLATE VALVE





reliability under pressure



- Double block and bleed valves 1" to 20" bore and 24" Reduced bore.
- Double block and bleed full bore to a standard B16.10 length up to 8" bore size.
- High temperature/high pressure.
- Cryogenic ball valves, side entry.
- Cast and forged body construction.
- Metal and soft seated construction.
- API 10K and API 15K Design's.
- Compact valve and swivel flange.
- Subsea API 6DSS to 12” size.
- Swing check valves.
- Low Emission valves.
- Zero leakage metal seated valves.
- High temperature valves to 500 C.
- Low temperature valves to -196 C.
- Specific requirements for Nuclear, Polymer, Mining & Marine applications.







SAWYE | HK Sawye International
Authorised distributor of Oliver Valves | websale@sawye.com | www.sawye.com
Technical reply within 24 hours | EN 10204 3.1 certificates with every shipment

Datasheet reproduced with the permission of Oliver Valves Ltd. Distributed by SAWYE.

oliver twinsafe

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

SAWYE

SAWYE | HK Sawye International
Authorised distributor of Oliver Valves | websale@sawye.com | www.sawye.com
Technical reply within 24 hours | EN 10204 3.1 certificates with every shipment

Datasheet reproduced with the permission of Oliver Valves Ltd. Distributed by SAWYE.

oliver twinsafe

HIGH TEMPERATURE VALVES





HT SERIES | PIPELINE VALVES

The Oliver Twinsafe HT-Series of ball valves are specifically designed for high temperature applications where soft seated valves are no longer suitable, typically for process temperatures higher than 200°C (392°F).

The valve design utilises qualified and field proven metal to metal seating, with carefully selected, low permeable coatings, to provide zero leakage performance. In addition, a range of high temperature sealing materials are available, for temperature ratings up to 500°C and also for ultra-low emission applications.

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 +500°C
End Connections	Flanged, Butt Weld, Hub
Size Range	1 to 18 in (DN25 to DN500)

DESIGN FEATURES

Proven high temperature sealing technology for temperatures beyond 300°C
Low fugitive emission packing available
Bi-directional sealing
Forged 1 piece compact body, 2 piece or 3 piece body designs
High integrity carbide coating of ball and seats
Single Isolate, DIB or DBB designs available
Suitable and proven for high-cycle operations (in house testing over 400 cycles)
Specially selected low friction, high temperature bearings allowing high number of cycles
Anti-static device
Anti-Blow out stem
Self-relieving seats
O ring and Lip Seal seals 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 -

SAWYE

SAWYE | HK Sawye International
Authorised distributor of Oliver Valves | websale@sawye.com | www.sawye.com
Technical reply within 24 hours | EN 10204 3.1 certificates with every shipment

Datasheet reproduced with the permission of Oliver Valves Ltd. Distributed by SAWYE.