

# LOW TEMPERATURE VALVES



## LT SERIES | PIPELINE VALVES

The Oliver Twinsafe LT-Series of floating and trunnion-mounted ball valves have been designed for process applications with operating temperatures below  $-50^{\circ}\text{C}$ , down to  $-196^{\circ}\text{C}$ .

Oliver have developed a range of pipeline valves suitable for cryogenic applications. Utilising its in-house research and development facilities, Oliver Twinsafe has refined its designs to optimise performance and reliability at service temperatures down to  $-196^{\circ}\text{C}$ .

The valves are available as soft seated designs, with specially selected materials of construction to ensure full compatibility with project requirements.

Valve Design	API 6D
Pressure Class	ASME Class 150 – 900
Temperature Range	$-196^{\circ}\text{C}$ to $+120^{\circ}\text{C}$
End Connections	Flanged, Butt Weld, Hub
Size Range	1 to 18in (DN25 to DN500)

### DESIGN FEATURES

Single Isolate, DIB or DBB designs available
End entry configuration. Forged 1 piece compact body, 2 piece or 3 piece body designs.
Lip Sealing Technology
DVT Qualification tested to Shell standard 77/300 and 77/312
Bi-directional sealing
Anti-static device
Anti-Blow out stem
Self-relieving seats
Manual or actuated operation (electric/pneumatic/hydraulic)



### TESTING & CERTIFICATION

- Independently tested by Shell to their DVT qualification standard 77/300
- Firesafe qualification testing to ISO 10497, API 6FA and API 607
- Fugitive Emission Testing to 77/312 Class BH
- Pressure Equipment Directive 2014/68/EU

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**Customised Valve Specialist**

**APPLICATIONS: LNG, LPG, GAS BLOWDOWN, PIPELINE ISOLATION & STORAGE**