

# Going to Extremes



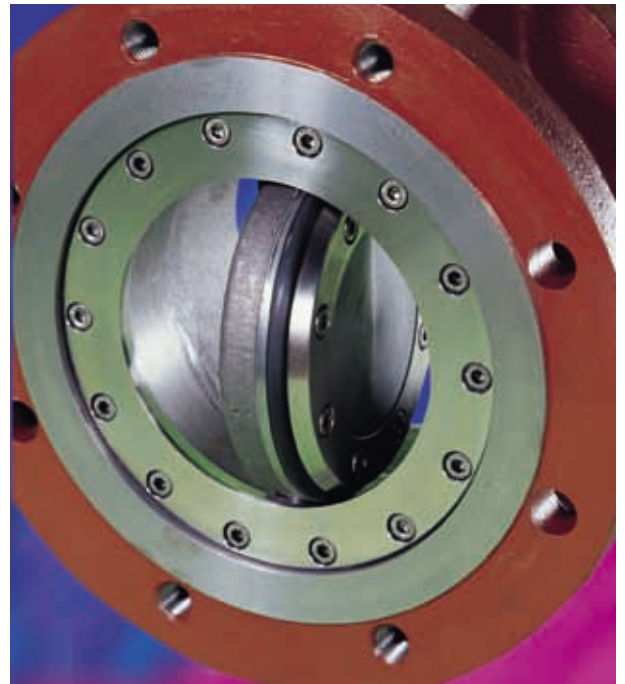
**TADPOLE DOUBLE OFFSET  
RUBBER SEALED VALVES**

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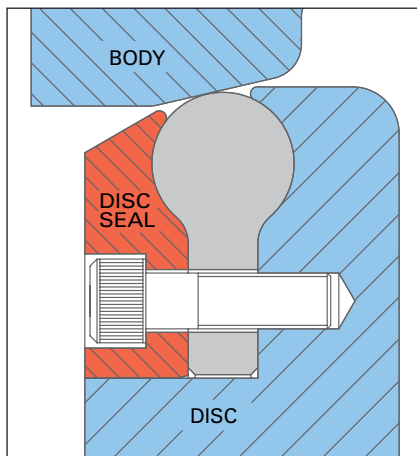
**TOMOETRITEC**  
THE ULTIMATE PROCESS VALVE

# At the leading edge

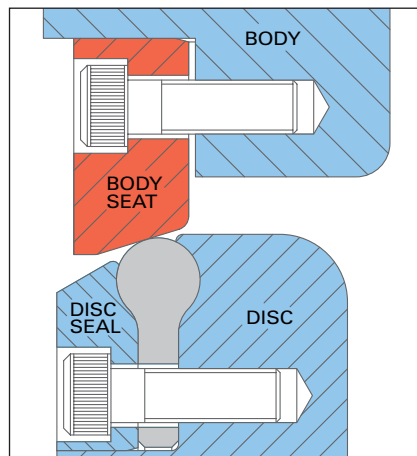
The need for positive, verifiable, maintainable shut-off in critical applications has led to the development of the Tomoe Tritec "Tadpole" rubber sealed valve. Using its double offset geometry and field replaceable disc seal, the Tadpole is the latest in our design programme of high performance rubber sealed valves. Suitable for service conditions up to 52 BarG pressure and 200°C temperature, this valve surpasses the performance of any traditional rubber seated butterfly valve.



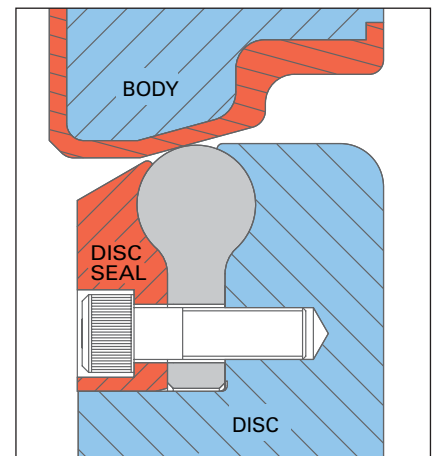
## Tadpole Seating Options



Where the body material is considered to be a suitable sealing surface (such as Aluminium Bronze or Stainless Steel) the body itself is machined into a seating surface for the disc seal.



On applications where the body material is unsuitable for use as a seating face, a separate replaceable seat can be fitted using an alternative material. A typical example would be a Carbon Steel body with a Stainless Steel seat.



The valve is also available with an Ebonite lined body. This facilitates the use of body materials usually susceptible to corrosion. A typical recommendation for this design would be Ebonite lined Carbon Steel bodies on Sea Water duties as an alternative to expensive materials such as Aluminium Bronze or Duplex.

## Firesafe

The Tadpole Valve is certified firesafe to Lloyds / DOT Rule 54, Appendix 'D' for use in offshore firewater mains.



# Tadpole Valve General Specifications

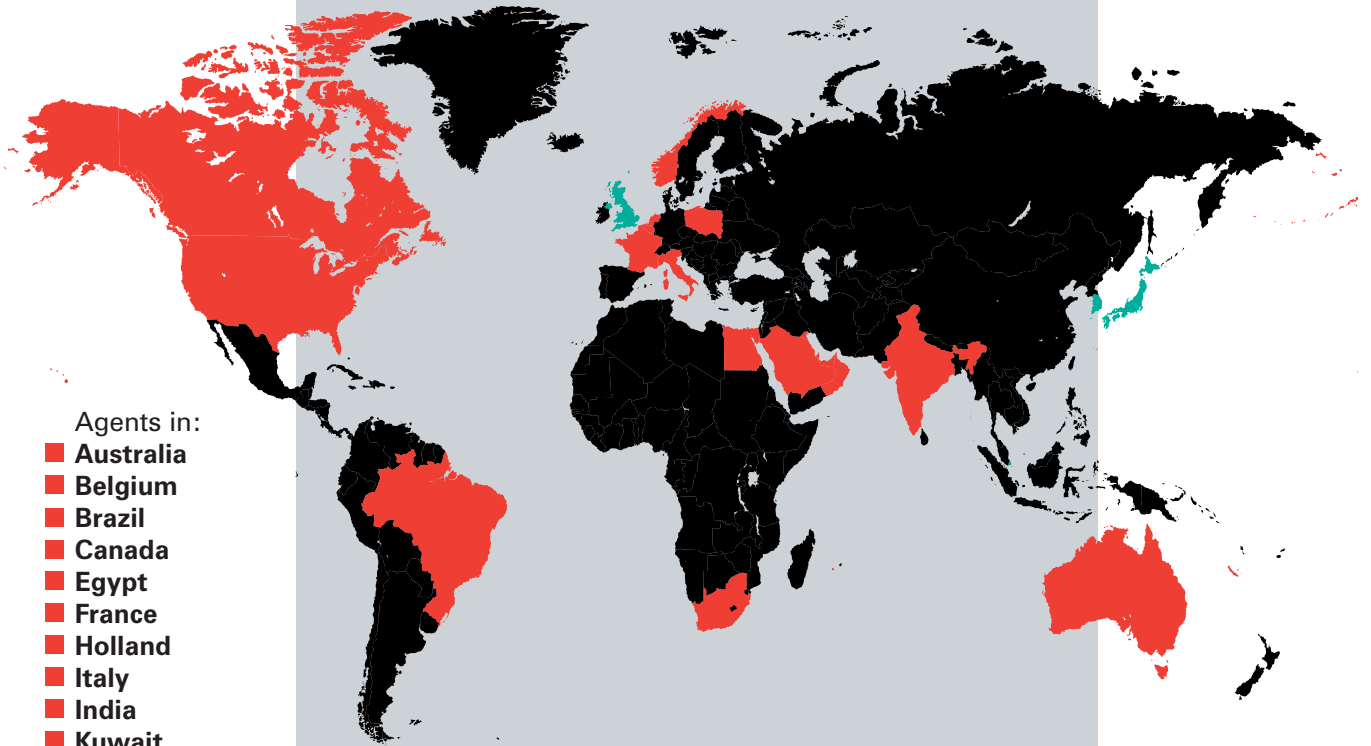
<b>Design</b>	BS5155; API600; ASME B16.10; ANSI B16.34; API609
<b>Ratings</b>	ANSI 150lb; ANSI 300lb; PN10; PN16; PN25; PN40
<b>Body Styles</b>	Wafer, Lugged, Double Flanged
<b>Body &amp; Disc Materials</b>	Carbon Steel; Stainless Steel; Duplex; Super Duplex; Titanium; Aluminium Bronze (and any other suitable construction material).
<b>Body Lining Options</b>	Ebonite
<b>Seat Materials</b>	NBR (Nitrile, Buna N); EPDM; Viton; Butyl; Neoprene; Silicone; Adiprene
<b>Temperature Limits</b>	-10°C to +200°C (contact the sales office for material suitability)
<b>Pressure Testing</b>	API598; ISO5208 Rate A; ANSI B16.104; BS5155 (all zero leakage)
<b>Firesafe</b>	DOT Rule 54, Appendix 'D'
<b>Operation</b>	Manual Lever; Manual Gear; Electric; Pneumatic; Hydraulic
<b>Applications</b>	Water, Sea Water, Hydrocarbons, Light Chemicals, Vapour, Low Temperature Steam

## Features and Benefits

- Zero leakage to ISO5208 Rate A
- Firesafe: Lloyds DOT Rule 54, Appendix 'D'
- Sizes from 2" to 54"
- Service conditions: 52 BarG and up to 200°C
- Body styles: wafer, lugged and double flanged
- Wide range of body and disc materials
- Available with ebonite lined body and/or disc

## Tadpole Reference List

Location	Application	Scope of Supply	Case History
Denmark	Seawater injection	10 x 3", 4 x 4" 20 x 6", 2 x 8" Class 150/300 Lugged AB2 / S Duplex / StSt	Offshore Platform
UK	Firewater mains	2 x 8" Class 150 Wafer AB2 body and disc	Offshore Platform
UK	Acidic flue gas	1 x 20" Class 150 Wafer C/St Ebonite lined body 6Mo St St disc	Onshore Chemical Plant
Qatar	Seawater cooling mains	8 x 18", 3 x 16", 4 x 12", 4 x 10", 2 x 8" Class 150 Double Flanged AB2 body and disc	Onshore LNG Terminal
UK	Acidic flue gas upgrade	3 x 24", 2 x 20", 3 x 18", 3 x 16" Class 150 Wafer C/Steel, Ebonite lined body with 6 Mo St St Disc	Onshore Chemical Plant
Qatar	Seawater pump discharge duty	2 x 42" Class 150 Double Flanged AB2 body, St St disc	Refinery Upgrade



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*Contact the sales office  
for agents in your area*

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