

Cryogenic Ball Valves

PROCESS BALL VALVES
FOR EXTREME LOW
TEMPERATURES



60C, 70C, 80C, 90C & 93C



Triad offers industrial valves for all types of cryogen services including oxygen, hydrogen, methane, ammonia, nitrogen, fluorine, LNG and others.

The design includes bonnet extension with live loaded stem seal. Body cavity relief hole in ball to prevent over-pressurization due to thermal expansion. Blow out proof stem. Low torque operation through entire temperature range. Engineered material components to ensure low thermal stress.

BS 6364 Standard

Specifications:

- Pressure rating: 90C per ANSI 150#
93C per ANSI 300# 60C series 2000 PSI through 2", 1000 PSI 2-1/2" through 4".
- Temperatures from -321°F to 392°F.
- PCTFE seats (Kel-F).
- Extended bonnet with direct mount actuator capabilities.
- Full port design for high flow.
- Tested and certified to the BS 6364 standard.
- Cavity pressure relief hole in ball.
- Self relieving seats.
- Fire Safe Design.



The Triad Series 90C/93C ball valves are available with the V ball option. Please consult the Series 9000 brochure for additional valve specifications.



The Triad Series 60C, 70C and 80C three piece process ball valves are available with the V ball option. Please consult the Series 66 brochure for additional individual valve specifications.