

CAMERON T30 Series

Fully welded ball valve

APPLICATIONS

Isolation valve for above ground and buried pipeline installations; long-term gas storage facilities; compressor, gathering, and metering stations; gas terminals; residential gas installations; onshore and offshore production and gas and LNG processing; and subsea isolation

BENEFITS

- Superior stem sealing performance compliant with low-emissions environmental standards
- Spherical body design that maximizes strength with reduced weight
- Low maintenance
- Low cost of ownership
- Extended service life and sealing reliability

FEATURES

- All-welded construction
- Sealing options in self relief (T31) or double piston effect (T32), or a combination of both (DIB2)
- Double block-and-bleed standard in both closed and open positions
- Antiblowout stem design
- Thermoplastic seals with no aging effect and no susceptibility to explosive decompression
- Belleville springs that maintain constant spring force and protect seat-to-body seal
- Robust stem stops that withstand actuator torque
- Stem stop viewports that enable verification of proper valve position
- Seat and stem injection port with internal check valve
- Rotating seats that spread wear over the entire sealing surface for longer service life

The CAMERON T30 Series* fully welded ball valve is a bidirectional, trunnion-mounted ball valve with a lightweight spherical body design and superior stem seal design compliant with fugitive emission regulations. The CAMERON T30 Series valve design increases service life, reduces leak paths, and offers optimal resistance to pipeline pressures and stresses.

CAMERON T30 Series valves are available for pressure classes ASME 150 to 2500 (PN 20 to PN 420) as well as API 2000 to 5000 standards. Made of forged steel to ensure uniform fine grain structure and toughness, they can be specified in sizes from NPS 2 to 56 (DN 50 to 1400).

These valves are also fire tested to API and ISO standards.

Superior stem sealing performance

These valves include an adjustable and replaceable seal in an antiblowout stem design. In addition, a low-emissions environmental standard design is also available.

Fully welded with a forged spherical body

The distinctive design of the CAMERON T30 Series valve maximizes strength at reduced weight and improves resistance to pipeline pressure and stresses with less wall thickness. The compact, spherical design also eliminates body flanges, reducing overall size and potential leak paths.

Low maintenance without removing pressure from the pipeline

Designed to eliminate the need for lubrication, the CAMERON T30 Series valve enables maintenance without reducing pressure or removing the valve from the pipeline.

Low cost of ownership

This valve is designed to minimize material for a lower weight, lower costs for installation and transportation, and minimal maintenance, which improves production uptime.

Longer service life

The CAMERON T30 Series valve can be equipped with a mechanism that makes both seat rings rotate at the end of the closing operation. Rotating seat rings are self-cleaning, distribute wear, ensure optimal sealing contact, and facilitate the distribution of any injected flush, grease, or sealant.



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Superior stem seal design.

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CAMERON T30 Series Valve Design Standards

API Spec 6D/ISO14313 and API Spec 6DSS/ISO 14723

ASME Section VIII

CAMERON T30 Series Valve Testing and Certifications[†]

Fugitive emissions tested to ISO 15848-1

Pressure tested per API Spec 6A, API Spec 6D, and API Spec 598

Fire tested per API Spec 607, API Spec 6FA, or ISO 10497

Safety Integrity Level SIL 3 to IEC 61508

ATEX Directive 2014/34/EU

Pressure Equipment Directive (PED) 2014/68/EU Module HI

Eurasian conformity (EAC) and TR CU standard compliance

Canadian Registration Number (CRN) system approved

[†]Additional testing and certifications may be available upon request

CAMERON T30 Series Valve Design Parameters

Material configurations	Carbon steel, low-alloy steel, or corrosion-resistant alloy
Design temperatures	-50 to 375 degF [-46 to 190 degC]
Primary seal (seat to ball)	Soft seated with polymeric insert
Secondary seal (seat-to-body)	PTFE lip seal (T31) or elastomeric O-ring (T32)
Stem seals	PTFE

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