



Rotary control ball valves

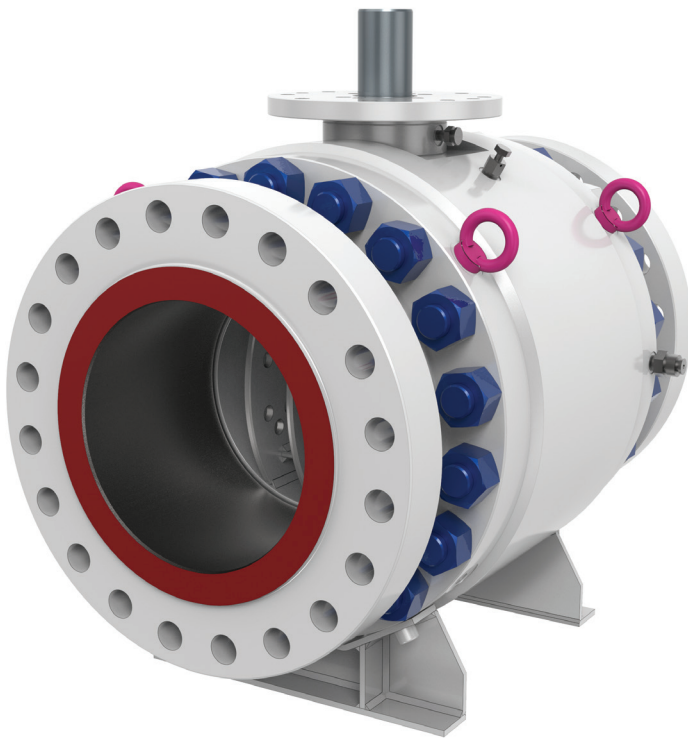
Quick sheet

KEC, KEY, KSC and BTK series

NPS 2–48 (DN 50–1200), ASME Classes 150–2500

Developed from a traditional trunnion ball design, the new generation Key-C rotary control ball valve offers high performance with maximum flow capacity. Manufactured by Velan ABV, the ball is equipped with special caged trim.

In processes that require handling large flow rates, the Key-C control valve is a competitive option to what is currently on the market, offering a lower cost of ownership. Valves can be packaged with our unique, patent protected Cable drive actuator to ensure the maximum dynamic control performance under the most demanding conditions.



Specifications

Valve design	As per API 6D, IEC 60534, ISA 75 or API 6DSS standards and customer requirements
Temperature range	-320 to 428°F (-196 to 220°C)
Face-to-face	As per API 6D standard
End connections	RF, RTJ as per B16.5 & B16.47 BW, Butt weld as per B16.25

Design configurations

KEC	KEY	KSC	BTK
Two or three-piece forged bolted body design (Caged ball)	Two or three-piece forged bolted body design	Two or three-piece forged bolted body design (Caged ball) for subsea service	One-piece cast bolted bonnet design (Caged ball)

Design features

- One single upstream seat in a DPE configuration.
- Metal-seated with hardfacing on the ball and seat.
- Valve flow capacity similar to traditional ball valves.
- Wide rangeability.
- Compact and lightweight design.
- Better wear resistance to internal erosion.
- Tight shutoff capability: same seat design as a trunnion ball valve.
- Two dedicated trims for liquid and gas media.
- Low noise and no vibration with multistage trim.
- Secondary seals in pure Graphite.
- Anti-static device.
- Anti-blow out stem.
- Low fugitive emission stem packing available.

Operator

- Manual: Wrench or gear with padlocking.
- Actuated: Pneumatic Cable drive with smart positioner for modulating or electric types.

Testing & certification

- Compliance with IEC 60534 sizing, inspection, and testing.
- Fire safe and fire tested as per API 6FA/607.
- SIL 3 Certification as per IEC 61508.
- Fugitive emission as per ISO 15848.
- PED 2014/68/UE.