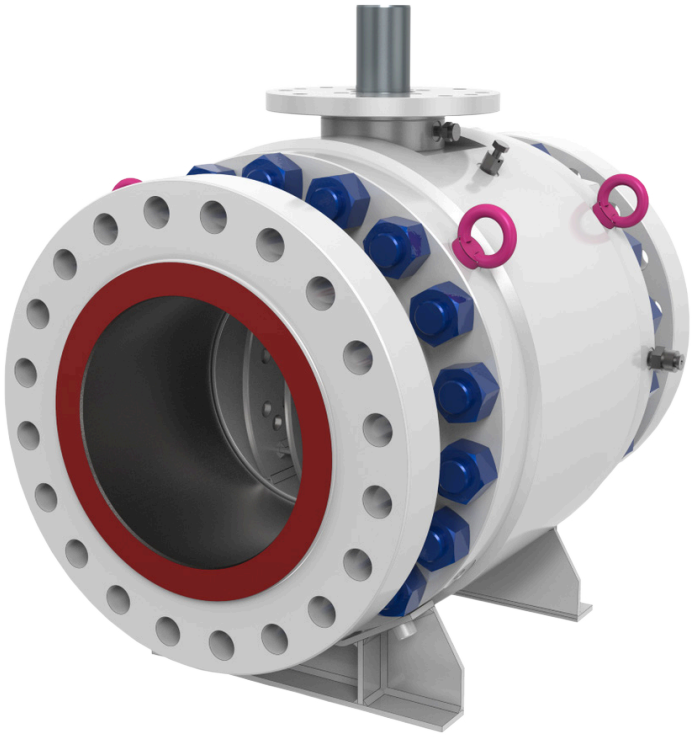
Control valves
Quick sheet

Rotary control ball valve
KEC and KEG 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.

Key-C valves can be packaged with our unique, patent protected Cable drive actuator to ensure the maximum dynamic control performance under the most demanding conditions.



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.

Specifications

Valve design	As per API 6D, IEC 60534, ISA 75 standards and customer requirements
Body design	Forged bolted two-piece and three-piece with preferred flow direction
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

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.