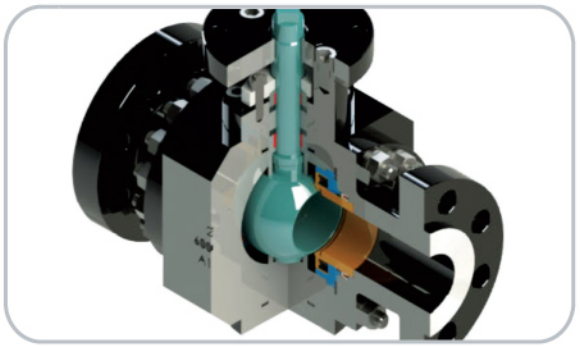
V800 series

High Performance Ball Valves

V800 Series

The V800 series metal seated Ball valve is flow conditioning technology and a unique ball arrangement, KCL Valve's new and improved double design products easily meet today' most challenging special control process applications.



Standard Specification

Trunnion Mounted 3-Piece & top entry style

Size	1" to 24" (DN25...DN600)
Rating	ANSI 150Lb to 2500Lb, JIS 10K to 63K, PN10 to PN450
Leakage	FCI 70-2, Standard : ANSI ClassIV, Option : ANSI Class V
Cv Range	55 to 113,400
Press. Range	Up to 6,170 psi (g) Up to 434 Kgf/cm²
Temp. Range	-150°F to +1,050°F -100℃ to +565℃ Option : -320°F to +1,562°F -196℃ to 850℃
Material	Carbon Steel (WCB, WCC) Stainless Steel (CF8, CF8M, CF3, CF3M) Chrome-moly (WC6, WC9, C12A) other alloys
End Connection	NPT(BSFF), RF/FF/RTJ Flanged, Socket weld, Butt weld
Actuators	Spring-diaphragm, Cylinder, Motorized, Electro-Hydraulic
Applications	Low Pressure Steam & Water, General Services, Flash Tank, Fuel Gas, Condensate Recirculation, Superheater and Reheat Spray, Desuperheater Water Spray, Gland Steam Pressure, Soot Blower, Steam Pressure, Auxiliary Steam

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KCL Valve Trunnion-Mounted

- ***Trunnion-Mounted Ball***
  The ball is fixed and the seat rings are floating, free to move along the valve axis.
  Side load generated by the pressure acting on the ball is absorbed by bearings.
  At low pressure the seat sealing action is achieved by the thrust of the springs acting on the seat rings.
  At the pressure increases the fluid pressure pushes the seat rings against the ball.
- ***Independent Ball And Stem***
  The ball and stem are independent to minimize the effect of the side thrust generated by the pressure acting on the ball.
- ***Anti - Static Design***
  The electrical conductance continuity between all the metallic components is guaranteed and certified.
- ***Low Emission Valves***
  Accurate machining of stem and bonnet sealing surfaces ensures compliance with the most severe pollution control regulations.
  Special "live" seals are available on request.
- ***Floating Self - Relieving Seat Rings***
  Two independent floating seat rings assure the bi-directional tightness of the valve.
  The seats are carefully designed to minimize the torque required to operate the valves without losing sealing power, which is assured from zero differential pressure to the valve's maximum rated pressure.
  Self-relieving seats are supplied as a standard feature. Double piston or combination seats (self-relieving/upstream, double piston/downstream) can be supplied on request.