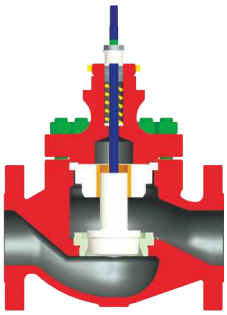
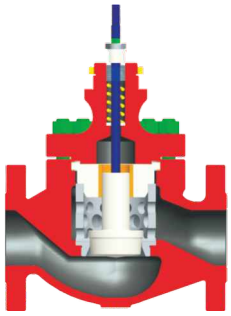
Linear Motion Control Valves

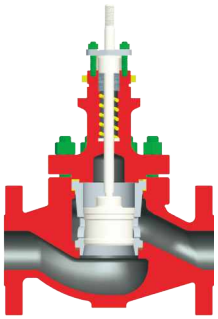
- Top guided structure design, S streamlines passage, small pressure drop loss, large flow rate, wide Cv range, and accurate equal percentage or linear characteristics.
- Large valve plug guiding area is strong in anti-vibration and shutoff. Shutoff performance meets IEC.
- After assembled with multi-spring pneumatic diaphragm actuators or electronic electric actuators, KI control valves offer small structure, light weight, great output force and can be widely used in high-reliable processing control and tight shutoff applications.
- Pressure-balanced cage double seated control valve is designed for high pressure drop loss. Compact structure, small drop loss, large flow rate, wide Cv range, and with a diversion wing that enhances flow stability around cage.
- Diversified trim combinations meet various process engineering and industrial applications.



KA-10S Series
Single Seated Control Valves



KA-10S/L Series
Cage Single Seated Control Valves



KA-10C Series
Cage Double Seated Control Valves

Applications		
Applicable to a wide scope of various kinds of liquids in different pressure and temperature. Superior in accurate adjustment and tight shutoff.	High performance in flashing and cavitation environments.	Widely used in high pressure, high pressure drop, high temperature, low temperature liquids. High performance in flashing,cavitation, low-noise and high-stability environments.
Structure Features		
Top-guided structure, single-seated seal, accurate adjustment, available in metal and soft seats	Cage single-seated seal, plug outer rings equipped with adapter sleeve	Cage double-seated seal ,plug and cage self guided , four holes in the cage
Sizes		
DN 15 ~ 200 NPS 1/2" ~ 8"	DN 15 ~ 200 NPS 1/2" ~ 8"	DN 40 ~ 200 NPS 1-1/2" ~ 8"
Ratings		
PN 16, 40, 100 ANSI 150,300,600	PN 16, 40, 100 ANSI 150,300,600	PN 16, 40, 100 ANSI 150,300,600
End Connections		
Flanged: FF, RF, RJ, FM Standards: ASME B16.5 JIS B 2201, GB / T 9113 Welded: SW（≤50）BW（≥65） Standards: ASME B 16.11 ASME B 16.25	Flanged: FF, RF, RJ, FM Standards: ASME B16.5 JIS B 2201, GB / T 9113 Welded: SW（≤50）BW（≥65） Standards: ASME B 16.11 ASME B 16.25	Flanged: FF, RF, RJ, FM Standards: ASME B16.5 JIS B 2201, GB / T 9113 Welded: SW（≤50）BW（≥65） Standards: ASME B 16.11 ASME B 16.25
Body Materials		
Alloy steel, stainless steel, steel	Alloy steel, stainless steel, steel	Alloy steel, stainless steel, steel
Plug and Seat Materials		
Plug: 304, 316, 304L, 316L, 304+STL, 316+STL, Seat: 304, 316, 304L, 316L, 304+STL, 316+STL, PTFE	Plug: 316, 316L, 304+STL, 316+STL Seat: 304, 316L, 304+STL, 316+STL, PTFE	Plug: 316, 316L, 304+STL, 316+STL, 17-4PH Seat: 316, 316L, 17-4PH, PTFE
Flow Characteristics and Maximum Flow Coefficients		
Flow - Open: equal percentage or linear Cv value: 0.01 to 700	Flow - Open: equal percentage or linear Cv value: 0.01 to 310	Equal percentage or linear Cv value: 11 to 850
Shutoff Class（ASME B16.104 ）		
Metal seat: Class Ⅳ Soft seat: Class Ⅵ	Metal seat: Class Ⅳ Soft seat: Class Ⅵ	Metal seat : Class Ⅲ Soft seat: Class Ⅵ
Available Actuator Types		
HA or VA 6 pneumatic actuators and 3610L electronic electric actuators	HA or VA 6 pneumatic actuators and 3610L electronic electric actuators	HA or VA 6 pneumatic actuators and 3610L electronic electric actuators