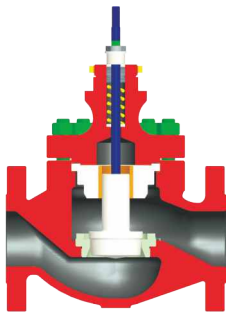


## Linear Motion Control Valves

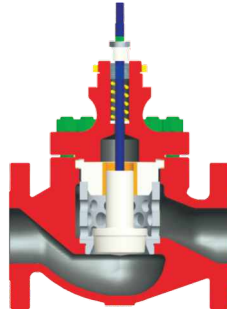


- Top guided structure design, S streamlines passage, small pressure drop loss, large flow rate, wide Cv range, and accurate equal percentage or linear characteristics.
- Large valve plug guiding area is strong in anti-vibration and shutoff. Shutoff performance meets IEC.
- After assembled with multi-spring 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.



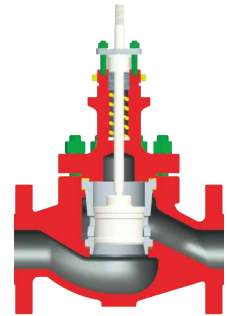
### KA-10S Series

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 ( $\leq 50$ ) BW ( $\geq 65$ )  
Standards: ASME B 16.11  
ASME B 16.25

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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

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