CONTROL VALVE
Van điều khiển
KA Series
KINGDOM VALVE
– Taiwan

SẢN PHẨM

- Bơm – Van – Tank chứa.
- Thiết bị đo Lưu lượng, Áp suất, Nhiệt độ, Mức, ...
- Hệ thống tự động hóa – đo lường - điều khiển.

DỊCH VỤ

- Tư vấn, Thiết kế Sơ đồ quá trình công nghệ - P&ID.
- Chế tạo, Cung cấp, Lắp đặt Dây chuyền - thiết bị.
- Chuyển giao công nghệ.

LĨNH VỰC

- Chế biến thực phẩm
- Bia – Rượu
- Dược phẩm – Sinh học
- Hóa chất
- Sơn – nhuộm
- Giấy – Bột giấy
- Môi trường
- Xăng dầu – khí Gas
- Xử lý nước, nước thải
- Cấp nước sinh hoạt
- Thủy lợi
- …

Kingdom PRECISION CASTING CO., LTD.

KA-10C

Cage Double-Seated Control Valves

Applications

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

Cage double-seated seal Plug and cage self guided
Four holes in the cage

Sizes

DN 40 ~ 200 NPS 1/2″ ~ 8″

Ratings

PN16, 40, 64 ANSI 150, 300, 600

End Connections

Flanged: FF, RF, RJ, FM
Standards: ASME B16.5
JIS B2201, GB / T9113
Welded: SW（≤50）BW（≥65）
Standards: ASME B 16.11
ASME B 16.25

Body Materials

Alloy steel, stainless steel, steel

Plug and Seat Materials

Plug: 316, 316L, 304+STL,
316+STL, 17-4PH
Seat: 316, 316L, 17-4PH, PTFE

Flow Characteristics and Maximum Flow Coefficients

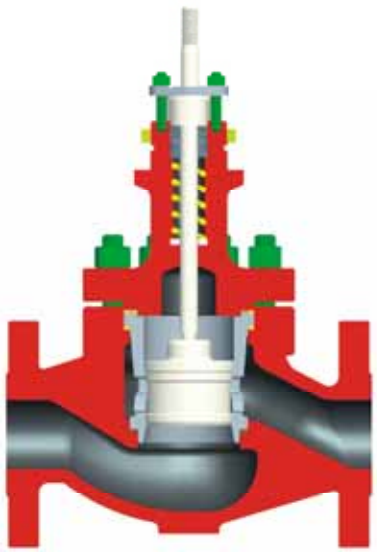
Equal percentage or linear
Cv value: 11 to 850

Shut off Class (ASME B16.104)

Metal seat : Class III
Soft Seat: Class VI

Available Actuator Types

HA or VA 6 pneumatic actuators and
3610L electronic electric actuators



Kingdom PRECISION CASTING CO., LTD.

KA-10C/K

Low Noise Cage Control Valves

Applications

Applicable to compressible liquids such as vapor, air and natural gas. Especially suitable for high temperature, high pressure or high pressure drop processing lines.

Structure Features

Cage double seated seal, large guiding area in plug and cage ensures stable operation, cage with many small holes eliminates erosion caused by cavitation, body is equipped with diversion wing.

Sizes

DN 40 ~ 200 NPS 1/2″ ~ 8″

Ratings

PN16, 40, 64 ANSI 150, 300, 600

End Connections

Flanged: FF, RF, RJ, FM
Standards: ASME B16.5
JIS B2201, GB / T9113
Welded: SW (≤50) BW (≥65)
Standards: ASME B 16.11
ASME B 16.25

Body Materials

Alloy steel, stainless steel, steel

Plug and Seat Materials

Plug: 316, 316L, 316+STL,
304+STL, 17-4PH
Seat: 316, 316L, 17-4PH

Flow Characteristics and Maximum Flow Coefficients

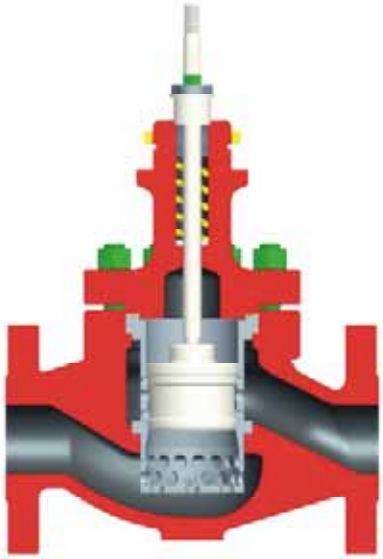
Close to linear
Cv value: 11 to 580

Shut off Class (ASME B16.104)

Class III

Available Actuator Types

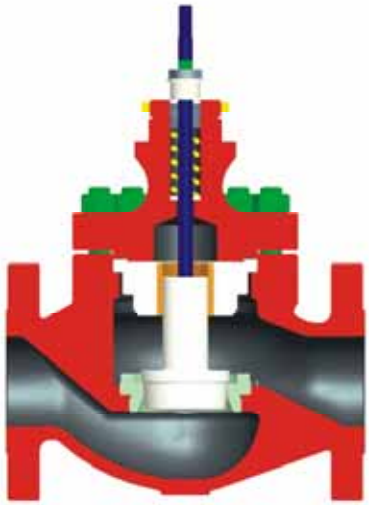
HA or VA 6 pneumatic actuators and 3610L electronic electric actuators



Kingdom PRECISION CASTING CO., LTD.

KA-10S

Single-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.

Structure Features

Top-guided structure, single-seated seal, accurate adjustment, available in metal and soft seats

Sizes

DN 15 ~ 200 NPS 1/2″ ~ 8″

Ratings

PN16, 40, 64 ANSI 150, 300, 600

End Connections

Flanged: FF, RF, RJ, FM
Standards: ASME B16.5
JIS B2201, GB / T9113
Welded: SW（≤50）BW（≥65）
Standards: ASME B 16.11
ASME B 16.25

Body Materials

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

Flow Characteristics and Maximum Flow Coefficients

Flow - Open: equal percentage or linear
Cv value: 0.01 to 700

Shut off Class (ASME B16.104)

Metal seat: Class Ⅳ
Soft Seat: Class Ⅵ

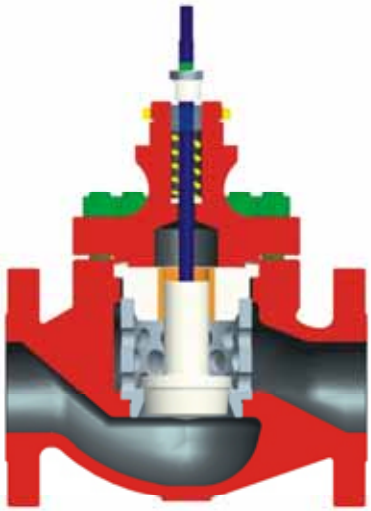
Available Actuator Types

HA or VA 6 pneumatic actuators and
3610L electronic electric actuators

Kingdom PRECISION CASTING CO., LTD.

KA-10S/L

Cage Single-Seated Control Valves



Applications

High performance in flashing and cavitation environments.

Structure Features

Top-guided structure, single-seated seal, plug outer rings equipped with adapter sleeve

Sizes

DN 15 ~ 200 NPS 1/2″ ~ 8″

Ratings

PN16, 40, 64 ANSI 150, 300, 600

End Connections

Flanged: FF, RF, RJ, FM
Standards: ASME B16.5
JIS B2201, GB / T9113
Welded: SW（≤50）BW（≥65）
Standards: ASME B 16.11
ASME B 16.25

Body Materials

Alloy steel, stainless steel, steel

Plug and Seat Materials

Plug：316, 316L, 304+STL, 316+STL
Seat：304, 316L, 304+STL, 316+STL,PTFE

Flow Characteristics and Maximum Flow Coefficients

Flow - Open: equal percentage or linear
Cv value: 0.01 to 310

Shut off Class (ASME B16.104)

Metal seat: Class Ⅳ
Soft Seat: Class Ⅵ

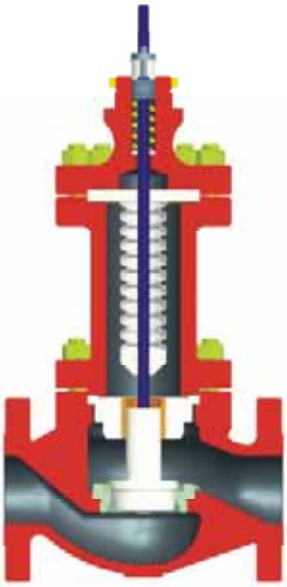
Available Actuator Types

HA or VA 6 pneumatic actuators and 3610L electronic electric actuators

Kingdom PRECISION CASTING CO., LTD.

KA-14S

Bellows Seal Single-Seated Control Valves



Applications

Applicable to poisonous or high-volatility mediums and vacuum environment. Effectively preventing pollution and explosion accidents.

Structure Features

Top guided structure, single-seated seal, stem rotating-proof design prevents bellows from damage. back seal is composed of bellows and packing.

Sizes

DN 25 ~ 200 NPS 1″ ~ 8″

Ratings

PN16, 40, 64 ANSI 150, 300, 600

End Connections

Flanged: FF, RF, RJ, FM
Standards: ASME B16.5
JIS B2201, GB / T9113
Welded: SW (≤50) BW (≥65)
Standards: ASME B 16.11
ASME B 16.25

Body Materials

Alloy steel, stainless steel, steel

Plug and Seat Materials

Plug: 304, 316, 304L, 316L, 316+STL, 304+STL
Seat: 304, 316, 304L, 316L, 304+STL , 316+STL, PTFE

Flow Characteristics and Maximum Flow Coefficients

Flow - Open: equal percentage or linear
Cv value: 11 to 850

Shut off Class (ASME B16.104)

Soft seat: Class Ⅵ Metal seat : Class Ⅳ

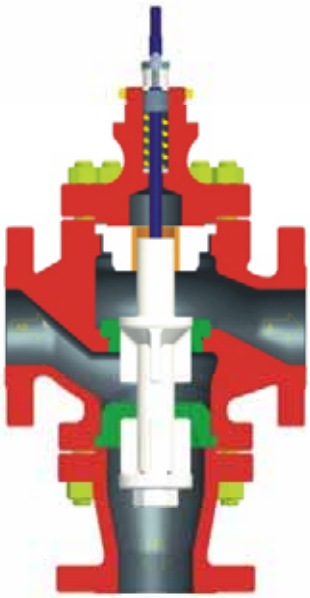
Available Actuator Types

HA or VA 6 pneumatic actuators and 3610L electronic electric actuators

Kingdom PRECISION CASTING CO., LTD.

KA - 20M/T

Three-Way Control Valves



Applications

Three-way control valves can be divided into two types by function: mixing type (mixing two flows into one) and diverting type (diverting one flow into two).

Structure Features

Pipe lines can connect with three inlets and outlets, double-side-guiding plug offers stable performance, plug has v-notch and holes in the thin cage, plug in mixing type is located inside two seats, plug in diverting type is located outside two seats. This design feature allows diverting global valves DN80 and below used as mixing global valves for the purpose of mixing two flows into one under the condition of low pressure drop.

Sizes

DN 25 ~ 150 NPS 1″ ~ 6″

Ratings

PN16, 40 ANSI 150, 300

End Connections

Flanged: FF, RF, RJ, FM

Standards: ASME B 16.5
JIS B 2201, GB/T 9113

Body Materials

Alloy steel, stainless steel, steel

Plug and Seat Materials

Plug: 316, 316L, 316+STL,
304+STL, 17-4PH
Seat: 316, 316L, 316+STL,
304+STL, 17-4PH

Flow Characteristics and Maximum Flow Coefficients

Flow-Open: Linear
Cv Value: 6.3 to 360

Shut off Class (ASME B16.104)

Class Ⅳ

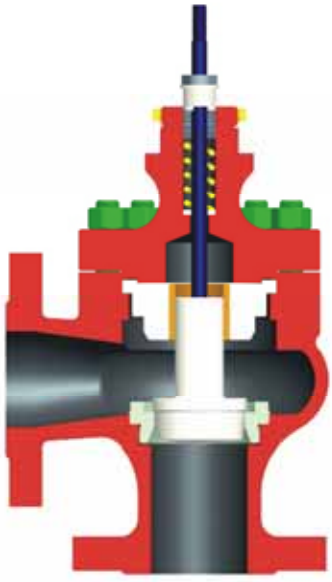
Available Actuator Types

HA or VA 6 pneumatic actuators and 3610L electronic electric actuators

Kingdom PRECISION CASTING CO., LTD.

KA-30S

Angle Single-Seated Control Valves



Applications

Suitable for suspensions carrying granular medium or flash vapor liquids. Capable of self clean and prevention from blocking, coking or caking in the pipe lines.

Structure Features

Top guided structure, single seated seal, right-angle flanged connecting body is suitable to pipe lines that require direct connection.

Sizes

DN 40 ~ 200 NPS 1-1/2″ ~ 8″

Ratings

PN16, 40, 64 ANSI 150, 300, 600

End Connections

Flanged: FF, RF, RJ, FM
Standards: ASME B16.5
JIS B2201, GB / T9113
Welded: SW (≤50) BW (≥65)
Standards: ASME B 16.11
ASME B 16.25

Body Materials

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

Flow Characteristics and Maximum Flow Coefficients

Flow - Open: equal percentage or linear
Cv value: 10 to 700

Shut off Class (ASME B16.104)

Soft seat: ClassⅥ Metal seat : ClassⅣ

Available Actuator Types

HA or VA 6 pneumatic actuators and 3610L electronic electric actuators