



HKG-10 多层套筒高压差调节阀

HKG-10 Multi-Layer Sleeve High Pressure Differential Control Valve

**HKG-10**<sup>[1]</sup>多层套筒高压差调节阀包含直通型阀门 HKG-10000 和角型阀门 HKG-10100，该系列阀门采用多层套筒结构，特殊的阀内件设计可实现阀门在高温高压差工况下达到降噪降压的效果。

The **HKG-10**<sup>[1]</sup> Multi-Layer Sleeve High Pressure Differential Control Valve includes a straight through valve HKG-10000 and an angle valve HKG-10100. This series of valves adopt a multi-layer sleeve structure and special special valve trim design, which can achieve the effect of noise reduction and pressure reduction in high temperature and high pressure differential working conditions.

**原理：**当流体介质流经阀体内件时，复杂的节流通道具有较大的阻尼系数，会逐级降低压力和速度，防止对内件的冲蚀。同时控制其噪音，最大降噪可达 30 分贝左右。

**Principle:** When the fluid medium flows through the internal parts of the valve body, the complex throttling channel has a large damping coefficient, which can gradually reduce pressure and speed to prevent erosion of the internal parts. And this design can also control noises at the same time. The maximum noise reduction can reach around 30 decibels.

调节阀的泄漏量符合 ANSI FCI 70-2-2013 标准。调节阀配用多弹簧薄膜执行机构或气缸执行机构，其结构紧凑，输出力大。

The leakage rate of the control valve complies with the standard ANSI FCI 70-2-2013. The control valve is equipped with a multi spring diaphragm actuator or a cylinder actuator, which has a compact structure and high output force.

产品符合 GB/T4213—2008 标准。

The product meets the requirements in standard GB/T4213-2008.

标准规格

Standard Specifications

阀体

Valve Body

|                  |                                                       |                               |
|------------------|-------------------------------------------------------|-------------------------------|
| 形 式              | 多级降压低噪音调节阀                                            |                               |
| Type             | Multi-stage pressure reducing low-noise control valve |                               |
| 公称通径             | 15、20、25、32、40、50、65、80、100、                          | 15、20、25、32、40、50、65、80、100、  |
| Nominal diameter | 125、150、200、250、300、350、400、                          | 125、150、200mm                 |
|                  | 450、500、550、600mm                                     |                               |
| 公称压力             | Class150、300、600；                                     | Class900、1500、2500；           |
| Nominal pressure | PN 16、20、25、40、50、63、100、110                          | PN150、160、220、250、260、320、420 |
| 连接型式             | 法兰型：FF、RF、RJ、TG、MFM                                   |                               |

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Connection type</b>                             | Flange type: FF, RF, RJ, TG, MFM<br>焊接型: SW (15~50mm) ; BW (65~350mm)<br>Welding type: SW (15-50mm); BW (65-350mm)<br>法兰标准: JIS B2201; JB/T79.1(PN16); JB/T79.2(PN40、63); ASME B16.5; HG20592; HG20615<br>Flange standard: JIS B2201; JB/T79.1 (PN16); JB/T79.2 (PN40, 63); ASME B16.5; HG20592; HG20615                                                                                                                                                                                                                                 |
| <b>尺寸<br/>Size</b>                                 | 请参见表 5<br>Please refer to Table 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>阀体及上阀盖材<br/>质<br/>Valve body and<br/>bonnet</b> | WCB、WC6、CF8、CF8M、CF3M、Ti 和其他合金<br>WCB, WC6, CF8, CF8M, CF3M, Ti, and other alloys<br>各种材质的使用温度•压力范围, 请参见表 1 和表 2<br>Please refer to Table 1 and Table 2 for the applicable temperature and pressure range of each material<br>(Class600 及以下公称压力: DN10、DN15 阀体只能为棒料材质)<br>(Class600 and below nominal pressure: DN10, DN15 valve bodies can only be made of bar material)<br>(Class900 及以上公称压力: DN10、DN15、DN20、DN25、DN32 阀体均为锻件)<br>(Class900 and above nominal pressure: DN10, DN15, DN20, DN25, DN32 valve bodies are forgeable pieces) |
| <b>上阀盖型式<br/>Bonnet type</b>                       | 常温型 (P) : -17~+250℃<br>Normal Temperature Type (P): -17~+250 °C<br>伸长 I 型 (EI) : -45~-17℃ and +250~+566℃<br>Extension Type I(EI): -45~-17 °C and+250~+566 °C<br>伸长 II 型 (EII) : -100~-45℃ and +566~+650℃<br>Extension Type II (EII): -100~-45 °C and+566~+650 °C<br>注: 工作温度不准超过各种材料的允许范围。<br>Note: The working temperature must not exceed the allowable range of each material.                                                                                                                                                         |
| <b>压盖型式<br/>Gland type</b>                         | 螺栓压紧式<br>Bolt hold-down type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>填 料<br/>Packing</b>                             | V 型聚四氟乙烯填料、石墨填料请参见图 2.<br>Please refer to Figure 2 for V type PTFE packing and graphite fillers                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>垫 圈<br/>Washer</b>                              | 平型、锯齿型 (不锈钢 (316L)、其它合金)<br>Flat, serrated (stainless steel (316L), other alloys)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>表面涂层<br/>Surface coating</b>                    | 深灰色 (环氧树脂)。但是阀体材质为不锈钢时, 本体部不加涂层。<br>Dark gray (epoxy resin). However, when the valve body material is stainless steel, the body part shall not be coated.                                                                                                                                                                                                                                                                                                                                                                                |

注[1]:HKG-10 对应旧型号 HKG;

**Note [1]:** HKG-10 corresponds to the old model HKG;

## 阀内组件

### Valve Trims

|                                                       |                                                                                                                                               |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 阀芯型式<br>Spool type                                    | 压力平衡式阀芯<br>Pressure balanced spool                                                                                                            |
| 套筒型式<br>Sleeve type                                   | 多孔式套筒<br>Multi-hole sleeve                                                                                                                    |
| 阀内件材质及阀内件处理<br>Valve trim material and trim treatment | 标准材质组合及使用温度•压力范围，请参见表 1 及图 1<br>Please refer to Table 1 and Figure 1 for material combinations and applicable temperature and pressure ranges |
| 流量特性<br>Flow characteristics                          | 线性特性（L）及等百分比特性（%），参见图 4<br>Please refer to Figure 4 for linear characteristic (L) and equal percentage characteristic (%)                     |

## 执行机构

### Actuator

| Model<br>规格<br>Specifications                          | 型号                                                                 | 气动薄膜式<br>Pneumatic diaphragm type                                                                    | 气缸活塞式<br>Cylinder piston type                                                            | 电子式<br>Electronic type   | 智能式<br>Intelligent type  | 电动式<br>Electrodynamic type |
|--------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------|
|                                                        | HA                                                                 |                                                                                                      | HV                                                                                       | EIL                      | M8 系列<br>M8 series       | RS4                        |
|                                                        | 多弹簧型<br>Multi-spring type                                          | 单/双作用活塞式<br>Single/double acting piston type                                                         |                                                                                          |                          |                          |                            |
| 用途<br>Usage                                            | 调节<br>Adjustment                                                   | 调节<br>Adjustment                                                                                     | 调节<br>Adjustment                                                                         |                          | 调节<br>Adjustment         |                            |
| 供气压力或<br>供给电压<br>Air supply pressure or voltage supply | 供气压力（弹簧范围）<br>Air supply pressure (spring range)<br>400（80～240）kPa | 供气压力<br>Air supply pressure<br>400～700kPa                                                            | 电压：220 /380V 50HZ<br>Voltage: 220/380V 50HZ<br>输入信号：4～20mA DC<br>Input signal: 4-20mA DC |                          |                          |                            |
| 接口<br>Interface                                        | 空气配管：<br>Air piping:<br>NPT 1/4（HA11～HA41）；<br>NPT 1/2（HA51）       | 空气配管：<br>Air piping:<br>NPT 1/4（HV21～31）；<br>NPT 3/8（HV41～51）；<br>NPT 1/2（HV61～71）；<br>NPT 3/4（HV81） | 配线：<br>Wiring:<br>2-PF3/4                                                                | 配线：<br>Wiring:<br>PG13.5 | 配线：<br>Wiring:<br>2-G1/2 |                            |
| 正作用<br>Direct action                                   | 气压增加阀闭<br>Air pressure booster closed                              | 气压增加阀闭<br>Air pressure booster closed                                                                | 输入信号阀闭<br>Input signal valve closed                                                      |                          |                          |                            |

|                                |                                                                                                                                                               |                                                                                                                                                                  |                                                        |                                                      |                                                  |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|
| 反作用<br>Reverse<br>action       | 气压增加阀开<br>Air pressure booster open                                                                                                                           | 气压增加阀开<br>Air pressure booster<br>open                                                                                                                           | 输入信号阀开<br>Input signal valve open                      |                                                      |                                                  |
| 基本误差<br>Basic error            | ±1.5%                                                                                                                                                         |                                                                                                                                                                  | ±1.5%                                                  |                                                      |                                                  |
| 回差<br>Return<br>difference     | 1.5%                                                                                                                                                          |                                                                                                                                                                  | 1.5%                                                   |                                                      |                                                  |
| 环境温度<br>Ambient<br>temperature | 标准型：-30~+70℃<br>Standard type: -30~+70 °C<br>高温型：-15~+120℃<br>High-temperature type:-15<br>~+ 120 °C<br>低温型：-40~+70℃<br>Low-temperature type:-40<br>~+ 70 °C  | 标准型：-20~+80℃<br>Standard type:-20 ~+<br>80 °C<br>高温型：-15~+120℃<br>High-temperature<br>type:-15 ~+ 120 °C<br>低温型：-40~+80℃<br>Low-temperature<br>type:-40 ~+ 80 °C | - 20~<br>+70℃                                          | - 25~<br>+70℃                                        | - 25~+<br>70℃                                    |
| 油漆颜色<br>Paint color            | 水蓝色（色标 RAL5021）<br>Aqua blue (color code<br>RAL5021)                                                                                                          | 水蓝色(色标<br>RAL5021)<br>Aqua blue (color code<br>RAL5021)                                                                                                          | —                                                      | —                                                    | —                                                |
| 附件<br>Accessories              | 定位器、空气过滤减压<br>阀、保位阀、阀传送器、<br>手轮机构等<br>Positioner, air filter<br>pressure relief valve,<br>lock-up valve, position<br>transmitter, handwheel<br>mechanism, etc | 定位器、空气过滤减压<br>阀、保位阀、阀传<br>送器、手轮机构等<br>Positioner, air filter<br>pressure relief valve,<br>lock-up valve, position<br>transmitter, handwheel<br>mechanism, etc    | EIL 执<br>行机构<br>手轮<br>EIL<br>actuator<br>handwh<br>eel | M8 执<br>行机构<br>手轮<br>M8<br>actuator<br>handwh<br>eel | RS 执行<br>机构手轮<br>RS<br>actuator<br>handwhe<br>el |

性能 PERFORMANCE

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| CV 值及行程<br>CV value and stroke           | 请参见表 3<br>Please refer to Table 3 |
| 阀座泄漏量<br>Leakage of valve seat           | 请参见表 1<br>Please refer to Table 1 |
| 可调范围<br>Adjustable range                 | 50:1（Cv≥0.25）或 30:1（Cv≤0.16）      |
| 允许压差<br>Allowable pressure<br>difference | 请参见表 4<br>Please refer to Table 4 |
| 产品重量<br>Product weight                   | 请参见表 5<br>Please refer to Table 5 |

表 1 阀体、阀内件材质组合及使用温度范围•阀座允许泄漏量

**Table 1 Material Combination and Temperature Range of Valve Body and Trim • Allowable Leakage of Valve Seat**

- R.TFE: 强化聚四氟乙烯
- R. TFE: Reinforced PTFE
- HT : 热处理
- HT: Heat Treatment
- ST : 堆焊司太莱合金
- ST: Surfacing Stellite
- SS : 部分堆焊司太莱合金
- SS:Partially Surfacing Stellite
- SF : 全部堆焊司太莱合金
- SF: Fully Surfacing Stellite

表 1-1 阀体材质：碳钢

**Table 1-1 Valve Body Material: Carbon Steel**

| 阀体材质<br>Body material                      |                          | WCB, WC6, LCB |                                                         |          |             |
|--------------------------------------------|--------------------------|---------------|---------------------------------------------------------|----------|-------------|
| 套筒<br>Sleeve                               | 材质<br>Material           | 630           |                                                         |          |             |
|                                            | 处理<br>Processing         | HT            |                                                         |          |             |
| 阀芯<br>Spool                                | 材质<br>Material           | 410           |                                                         |          |             |
|                                            | 处理<br>Processing         | HT            |                                                         |          |             |
| 阀座<br>Valve seat                           | 材质<br>Material           | 304+R.TFE     | 304+PEEK                                                | 630      | 630         |
|                                            | 处理<br>Processing         | —             | —                                                       | HT       | HT          |
| 平衡密封环<br>Balancing sealing ring            | 材质<br>Material           | R.TFE         | R.TFE                                                   | R.TFE    | Inconel 750 |
|                                            | 垫环<br>Backing ring       | 316           | 316                                                     | 316      | —           |
| 垫圈<br>Washer                               | 材质<br>Material           | 316L          | 316L                                                    | 316L     | 316L        |
| 阀座允许泄漏量<br>Allowable leakage of valve seat |                          | Class V/VI    | 额定 $C_v \times 0.0001\%$<br>Rated $C_v \times 0.0001\%$ | Class IV | Class IV    |
| 使用温度℃<br>Applicable temperature            | WCB 阀体<br>WCB valve body | -29~+250      | -29~+250                                                |          | -29~+425    |
|                                            | WC6 阀体<br>WC6 valve body | -29~+250      | -29~+250                                                |          | -29~+595    |
|                                            | LCB 阀体                   | -45~+250      | -45~+250                                                |          | -45~+345    |

|  |                |  |  |  |
|--|----------------|--|--|--|
|  | LCB valve body |  |  |  |
|--|----------------|--|--|--|

表 1-2 阀体材质：不锈钢

Table 1-2 Valve Body Material: Stainless Steel

|                                               |                       |                                  |                               |                                  |              |
|-----------------------------------------------|-----------------------|----------------------------------|-------------------------------|----------------------------------|--------------|
| 阀体材质<br>Body material                         |                       | CF8, CF8M, CF3M                  |                               |                                  |              |
| 套筒<br>Sleeve                                  | 材质<br>Material        | 304/316/316L                     |                               |                                  |              |
|                                               | 处理<br>Processing      | —                                |                               |                                  |              |
| 阀芯<br>Spool                                   | 材质<br>Material        | 304/316/316L                     | 304/316/316L                  | 304/316/316L                     | 304/316/316L |
|                                               | 处理<br>Processing      | —                                | —                             | ST                               | ST           |
| 阀座<br>Valve seat                              | 材质<br>Material        | 304/316/316L<br>+R.TFE           | 304/316/316L<br>+PEEK         | 304/316/316L                     | 304/316/316L |
|                                               | 处理<br>Processing      | —                                | —                             | ST                               | ST           |
| 平衡密封环<br>Balancing<br>sealing ring            | 材质<br>Material        | R.TFE                            | R.TFE                         | R.TFE                            | Iconel 750   |
|                                               | 垫环<br>Backing<br>ring | 316/哈氏 C<br>316/Hartz<br>alloy C | 316/哈氏 C<br>316/Hartz alloy C | 316/哈氏 C<br>316/Hartz alloy<br>C | —            |
| 垫圈<br>Washer                                  | 材质<br>Material        | 316L                             | 316L                          | 316L                             | 316L         |
| 阀座允许泄漏量<br>Allowable leakage of valve<br>seat |                       | Class V/VI                       | Rated Cv×0.0001%              | Class IV                         | Class IV     |
| 使用温度℃<br>Applicable temperature               |                       | -75～+250                         | -75～+250                      | -100～+250                        | -100～+650    |

注：流体温度在-75℃以下，平衡密封环的材质：Fluoroloy G；垫环：Elgiloy。  
Note: When the fluid temperature is below -75 °C, the material of the balancing sealing ring is Fluoroloy G; the material of the backing ring is Elgiloy.

表 2 阀体材质使用温度•压力范围

Table 2 Temperature • Pressure Range of Valve Body Materials

表 2-1 UNIT:MPa

Table 2-1 Unit: MPa

| 温度<br>Temperature<br>°C | Class 150 |             |            |             |              | Class 300 |             |            |             |              | Class 600 |             |            |             |              |
|-------------------------|-----------|-------------|------------|-------------|--------------|-----------|-------------|------------|-------------|--------------|-----------|-------------|------------|-------------|--------------|
|                         | LCB       | WCB<br>A105 | WC6<br>F11 | F304<br>CF8 | F316<br>CF8M | LCB       | WCB<br>A105 | WC6<br>F11 | F304<br>CF8 | F316<br>CF8M | LCB       | WCB<br>A105 | WC6<br>F11 | F304<br>CF8 | F316<br>CF8M |
| -196~38                 | —         | —           | —          | 1.90        | 1.90         | —         | —           | —          | 4.95        | 4.95         | —         | —           | —          | 9.91        | 9.92         |
| -45~38                  | 1.84      | —           | —          | 1.90        | 1.90         | 4.78      | —           | —          | 4.95        | 4.95         | 9.57      | —           | —          | 9.91        | 9.92         |
| -5~38                   | 1.84      | 1.96        | 1.99       | 1.90        | 1.90         | 4.78      | 5.10        | 5.16       | 4.95        | 4.95         | 9.57      | 10.2        | 10.32      | 9.91        | 9.92         |
| 50                      | 1.81      | 1.92        | 1.92       | 1.84        | 1.84         | 4.72      | 5.00        | 5.16       | 4.77        | 4.80         | 9.46      | 10.1        | 10.32      | 9.56        | 9.62         |
| 100                     | 1.72      | 1.76        | 1.76       | 1.56        | 1.61         | 4.51      | 4.63        | 5.14       | 4.08        | 4.21         | 9.02      | 9.27        | 10.29      | 8.17        | 8.43         |
| 150                     | 1.57      | 1.57        | 1.57       | 1.39        | 1.47         | 4.40      | 4.51        | 5.01       | 3.62        | 3.85         | 8.78      | 9.04        | 10.03      | 7.26        | 7.69         |
| 200                     | 1.40      | 1.40        | 1.40       | 1.25        | 1.37         | 4.26      | 4.38        | 4.88       | 3.27        | 3.56         | 8.54      | 8.75        | 9.75       | 6.54        | 7.12         |
| 250                     | 1.20      | 1.20        | 1.20       | 1.16        | 1.20         | 4.05      | 4.16        | 4.62       | 3.04        | 3.34         | 8.11      | 8.33        | 9.26       | 6.10        | 6.67         |
| 300                     | 1.01      | 1.01        | 1.01       | 1.01        | 1.01         | 3.76      | 3.87        | 4.23       | 2.91        | 3.15         | 7.54      | 7.74        | 8.48       | 5.80        | 6.32         |
| 350                     | 0.84      | 0.84        | 0.84       | 0.84        | 0.84         | 3.59      | 3.69        | 4.01       | 2.81        | 3.03         | 7.18      | 7.38        | 8.04       | 5.60        | 6.07         |
| 375                     | —         | 0.73        | 0.73       | 0.73        | 0.73         | —         | 3.64        | 3.88       | 2.77        | 2.96         | —         | 7.28        | 7.75       | 5.54        | 5.93         |
| 400                     | —         | 0.64        | 0.64       | 0.64        | 0.64         | —         | 3.44        | 3.65       | 2.74        | 2.91         | —         | 6.89        | 7.31       | 5.48        | 5.81         |
| 425                     | —         | 0.55        | 0.55       | 0.55        | 0.55         | —         | 2.88        | 3.44       | 2.71        | 2.87         | —         | 5.74        | 6.91       | 5.42        | 5.72         |
| 450                     | —         | 0.47        | 0.47       | 0.47        | 0.47         | —         | 1.99        | 3.08       | 2.68        | 2.81         | —         | 4.00        | 6.17       | 5.37        | 5.61         |
| 475                     | —         | 0.37        | 0.37       | 0.37        | 0.37         | —         | 1.35        | 2.58       | 2.65        | 2.73         | —         | 2.70        | 5.17       | 5.30        | 5.46         |
| 500                     | —         | 0.28        | 0.28       | 0.28        | 0.28         | —         | 0.88        | 2.02       | 2.60        | 2.67         | —         | 1.75        | 4.04       | 5.20        | 5.37         |
| 525                     | —         | 0.18        | 0.18       | 0.18        | 0.18         | —         | 0.51        | 1.53       | 2.19        | 2.57         | —         | 1.03        | 3.07       | 4.77        | 5.15         |
| 550                     | —         | —           | —          | —           | —            | —         | —           | 1.20       | 2.00        | 2.40         | —         | —           | 2.40       | 4.00        | 4.60         |
| 566                     | —         | —           | —          | —           | —            | —         | —           | 1.00       | 1.90        | 2.20         | —         | —           | 2.00       | 3.80        | 4.50         |

| 温度<br>Temperature<br>°C | Class900 |             |            |             |              | Class1500 |             |            |             |              | Class2500 |             |            |             |              |
|-------------------------|----------|-------------|------------|-------------|--------------|-----------|-------------|------------|-------------|--------------|-----------|-------------|------------|-------------|--------------|
|                         | LCB      | WCB<br>A105 | WC6<br>F11 | F304<br>CF8 | F316<br>CF8M | LCB       | WCB<br>A105 | WC6<br>F11 | F304<br>CF8 | F316<br>CF8M | LCB       | WCB<br>A105 | WC6<br>F11 | F304<br>CF8 | F316<br>CF8M |
| -196~38                 | —        | —           | —          | 14.88       | 14.88        | —         | —           | —          | 24.79       | 24.79        | —         | —           | —          | 41.34       | 41.34        |
| -45~38                  | 14.35    | —           | —          | 14.88       | 14.88        | 23.92     | —           | —          | 24.79       | 24.79        | 39.87     | —           | —          | 41.34       | 41.34        |
| -5~38                   | 14.35    | 15.31       | 15.50      | 14.88       | 14.88        | 23.92     | 25.51       | 25.84      | 24.79       | 24.79        | 39.87     | 42.52       | 43.07      | 41.34       | 41.34        |
| 50                      | 14.18    | 15.01       | 15.33      | 14.34       | 14.43        | 23.64     | 25.02       | 25.55      | 23.90       | 24.04        | 39.40     | 41.70       | 42.59      | 39.84       | 40.07        |
| 100                     | 13.52    | 13.90       | 14.62      | 12.25       | 12.65        | 22.53     | 23.16       | 24.36      | 20.42       | 21.09        | 37.56     | 38.62       | 40.61      | 34.01       | 35.14        |
| 150                     | 13.18    | 13.56       | 13.90      | 10.89       | 11.54        | 21.96     | 22.60       | 23.18      | 18.16       | 19.24        | 36.60     | 37.66       | 38.61      | 30.26       | 32.07        |
| 200                     | 12.79    | 13.14       | 13.63      | 9.82        | 10.69        | 21.32     | 21.89       | 22.73      | 16.37       | 17.83        | 35.53     | 36.50       | 37.88      | 27.28       | 29.71        |
| 250                     | 12.17    | 12.51       | 13.33      | 9.15        | 10.02        | 20.28     | 20.84       | 22.22      | 15.26       | 16.68        | 33.80     | 34.75       | 37.03      | 25.43       | 27.80        |
| 300                     | 11.30    | 11.61       | 12.72      | 8.71        | 9.49         | 18.84     | 19.36       | 21.20      | 14.52       | 15.80        | 31.40     | 32.26       | 35.33      | 24.20       | 26.34        |
| 350                     | 10.78    | 11.08       | 12.06      | 8.42        | 9.12         | 17.96     | 18.46       | 20.11      | 14.02       | 15.20        | 29.95     | 30.78       | 33.51      | 23.36       | 25.36        |
| 375                     | —        | 10.94       | 11.63      | 8.32        | 8.91         | —         | 18.22       | 19.38      | 13.86       | 14.84        | —         | 30.37       | 32.32      | 23.12       | 24.74        |
| 400                     | —        | 10.34       | 10.98      | 8.23        | 8.72         | —         | 17.24       | 18.28      | 13.72       | 14.55        | —         | 28.73       | 30.47      | 22.87       | 24.25        |
| 425                     | —        | 8.62        | 10.53      | 8.14        | 8.59         | —         | 14.37       | 17.54      | 13.57       | 14.32        | —         | 23.94       | 29.23      | 22.63       | 23.87        |
| 450                     | —        | 6.01        | 10.13      | 8.06        | 8.42         | —         | 10.02       | 16.89      | 13.42       | 14.03        | —         | 16.68       | 28.16      | 22.37       | 22.79        |
| 475                     | —        | 4.06        | 9.50       | 7.97        | 8.20         | —         | 6.76        | 15.82      | 13.27       | 13.67        | —         | 11.28       | 26.36      | 22.13       | 22.34        |

|     |   |   |      |      |      |   |   |       |       |       |   |   |       |       |       |
|-----|---|---|------|------|------|---|---|-------|-------|-------|---|---|-------|-------|-------|
| 500 | — | — | 8.33 | 7.81 | 8.05 | — | — | 13.89 | 13.02 | 13.40 | — | — | 23.15 | 21.71 | 21.47 |
| 525 | — | — | 6.08 | 7.15 | 7.73 | — | — | 10.12 | 11.94 | 12.89 | — | — | 16.88 | 19.88 | 20.79 |
| 550 | — | — | 3.83 | 6.54 | 7.49 | — | — | 6.38  | 10.91 | 12.48 | — | — | 10.63 | 18.17 | 17.85 |
| 575 | — | — | 2.55 | 6.02 | 7.22 | — | — | 4.24  | 10.04 | 12.04 | — | — | 7.08  | 16.72 | 15.20 |
| 600 | — | — | 1.75 | 5.01 | 6.43 | — | — | 2.94  | 8.35  | 10.71 | — | — | 7.90  | 13.92 | 17.85 |
| 625 | — | — | —    | 3.92 | 5.48 | — | — | —     | 6.54  | 9.12  | — | — | —     | 10.89 | 15.20 |
| 650 | — | — | —    | 3.16 | 4.23 | — | — | —     | 5.25  | 7.06  | — | — | —     | 8.75  | 11.76 |
| 675 | — | — | —    | 2.33 | 3.78 | — | — | —     | 3.88  | 6.31  | — | — | —     | 6.45  | 10.53 |

表 2-2JB/T79-94 或 HG20592-2009UNIT:MPa

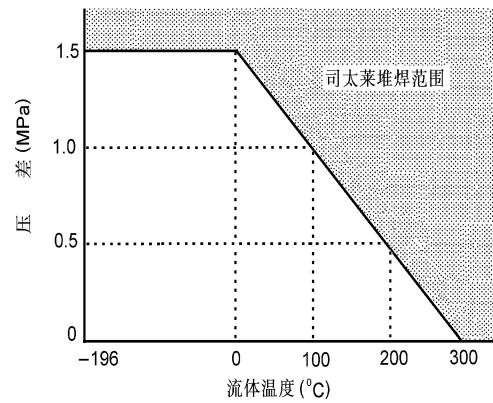
Table 2-2JB/T79-94 or HG20592-2009UNIT: MPa

| 温度<br>Temperatu<br>re<br>℃ | PN16 | PN40 | PN63 | PN100 | 温度<br>Temperatu<br>re<br>℃ | PN16 | PN40 | PN63 | PN100 |
|----------------------------|------|------|------|-------|----------------------------|------|------|------|-------|
|                            | WCB  |      |      |       |                            | CF8  |      |      |       |
| -5～200                     | 1.60 | 4.00 | 6.30 | 10.0  | -45～200                    | 1.60 | 4.00 | 6.30 | 10.0  |
| ～250                       | 1.40 | 3.50 | 5.40 | 9.00  | ～300                       | 1.40 | 3.50 | 5.40 | 9.00  |
| ～300                       | 1.20 | 3.00 | 4.80 | 7.50  | ～400                       | 1.20 | 3.00 | 4.80 | 7.50  |
| ～350                       | 1.10 | 2.60 | 4.00 | 6.60  | ～480                       | 1.10 | 2.60 | 4.00 | 6.60  |
| ～400                       | 0.90 | 2.30 | 3.70 | 5.80  | ～520                       | 0.90 | 2.30 | 3.70 | 5.80  |
| ～425                       | 0.80 | 2.00 | 3.20 | 5.00  | ～560                       | 0.80 | 2.00 | 3.20 | 5.00  |
| ～435                       | 0.70 | 1.80 | 2.80 | 4.50  |                            |      |      |      |       |
| ～445                       | 0.62 | 1.60 | 2.50 | 4.20  |                            |      |      |      |       |
| ～455                       | 0.57 | 1.40 | 2.30 | 3.60  |                            |      |      |      |       |



图 1 阀内件材质·处理

Figure 1 Valve Trim Material and Treatment

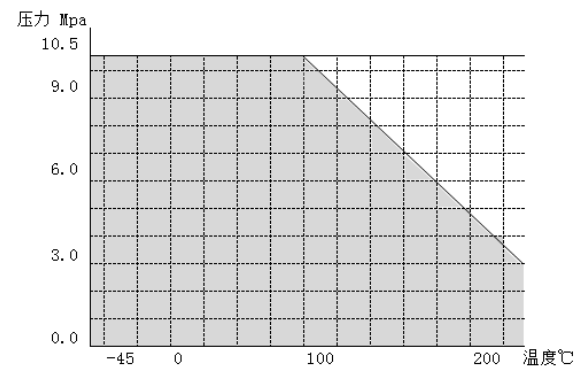


压差 (MPa)  
Pressure difference (MPa)  
司太莱堆焊范围  
Surfacing range of stellite  
图 1-1 司太莱的工作范围  
Figure 1-1 Working Range of Stellite

注: 1. 17-4PH 不锈钢 (SCS24) 不需堆焊。  
Note: 1. No surfacing welding need for 17-4PH stainless steel (SCS24).  
2. 空化、闪蒸、禁油场合, 不管温度和压力多大, 建议堆焊司太莱合金。  
2. Surfacing stellite is recommended in the situation of cavitation, flash evaporation, and oil prohibition regardless of temperature and pressure.

图 2 填料使用温度·压力范围

Figure 2 Use Temperature · Pressure Range of Packing



压力  
pressure  
温度  
Temperature

图 2-1 强化聚四氟乙烯 V 型填料  
Figure 2-1 Reinforced PTFE V Type Packing

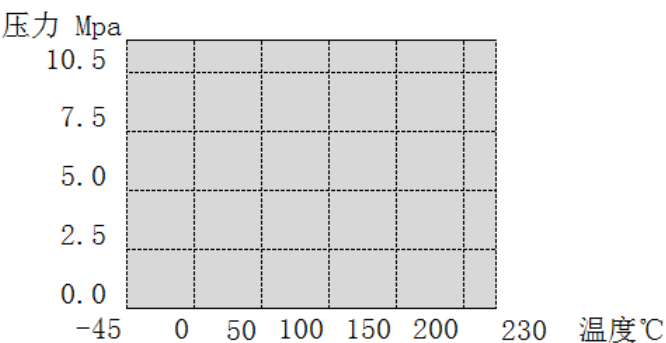
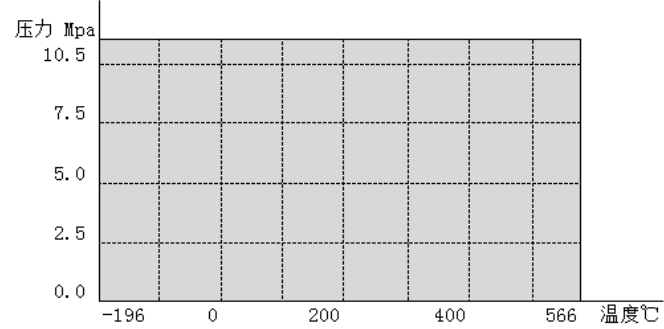


图 2-2 聚四氟乙烯碳纤维  
Figure 2-2 PTFE Carbon Fiber



压力

pressure

温度

Temperature

图 2-3 柔性石墨（非氧化环境）

Figure 2-3 Flexible Graphite (Non-oxidizing Environment)

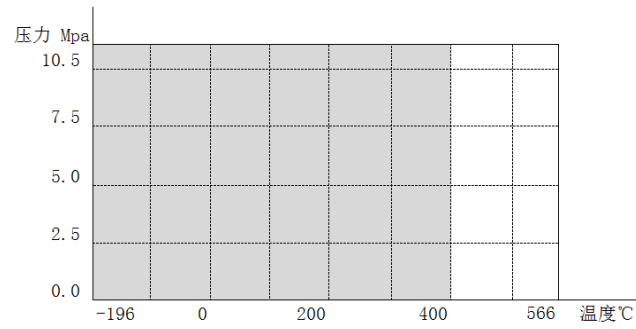


图 2-3 柔性石墨（氧化环境）

Figure 2-3 Flexible Graphite (Oxidizing Environment)

图 3 平衡密封环使用温度·压力范围

Figure 3 Use Temperature·Pressure Range of Balancing Sealing Ring

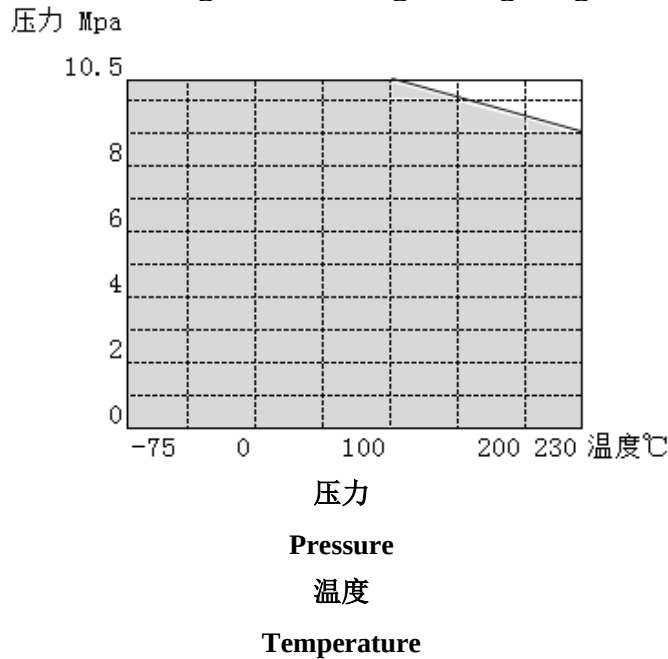
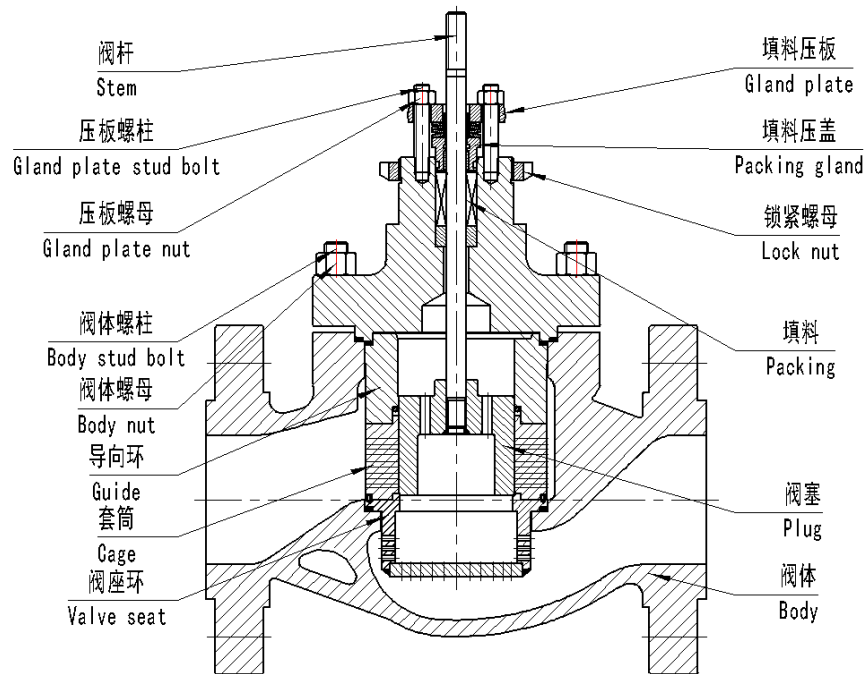


图 4 阀体部件结构

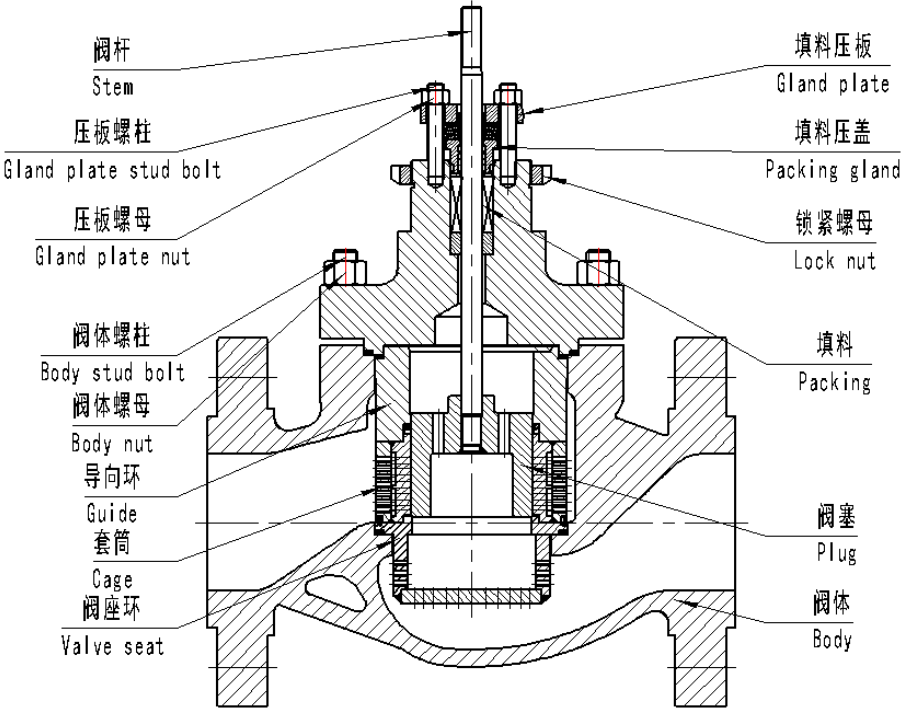
Figure 4 Structure of Valve Body Components



HKG-10000 Class150、PN16~25 DN15~400

(当阀门  $C_v \leq 4$  时, 阀塞采用带曲面阀芯头的结构)

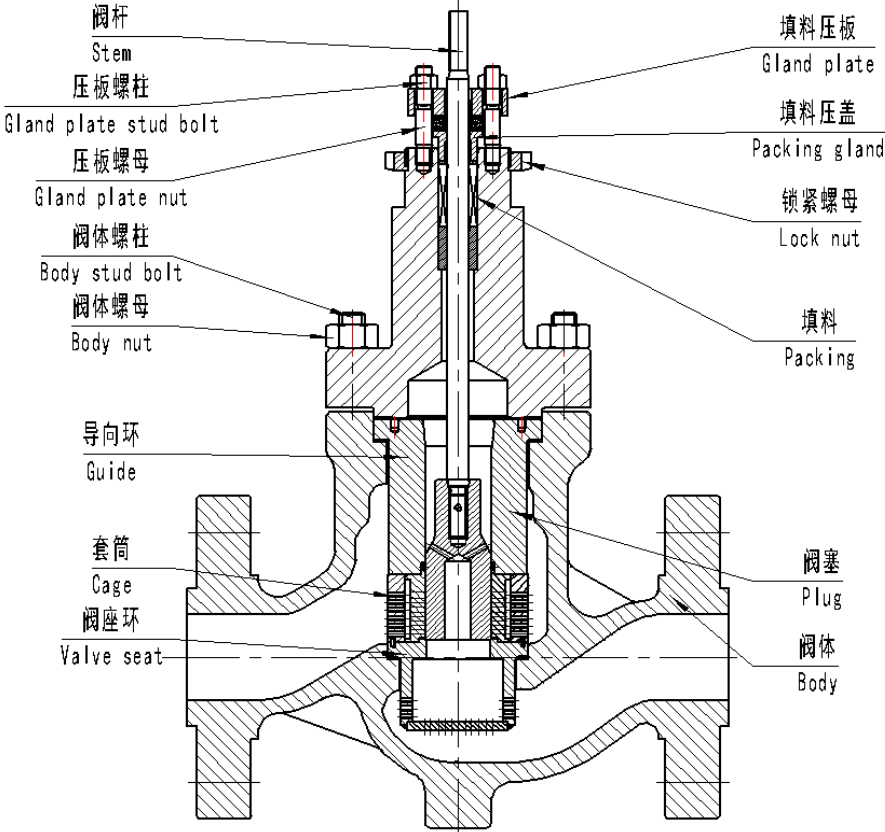
(When valve  $C_v \leq 4$ , the valve plug adopts a structure with curved spool head)



HKG-10000 Class300~600、PN40~100 DN15~400

(当阀门  $C_v \leq 4$  时, 阀塞采用带曲面阀芯头的结构)

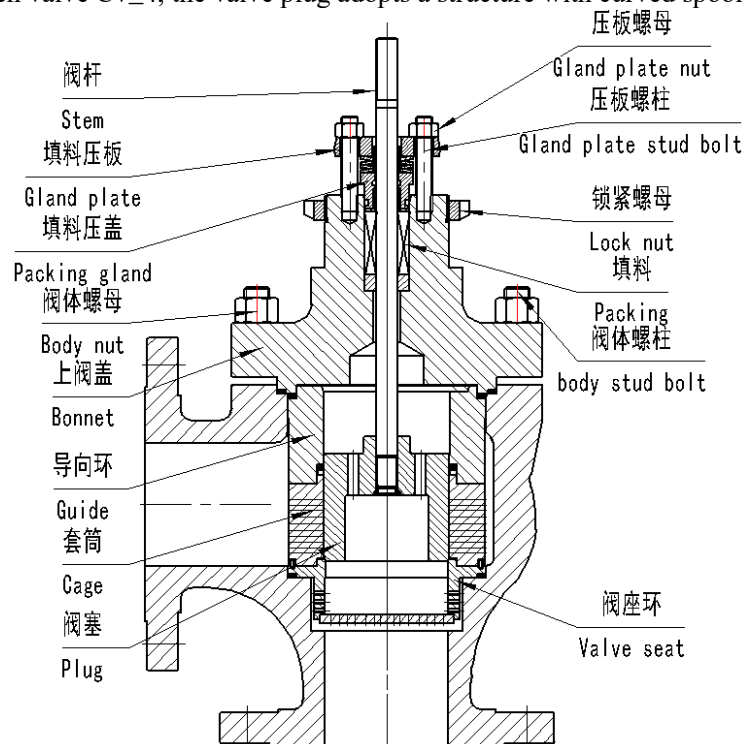
(When valve  $C_v \leq 4$ , the valve plug adopts a structure with curved spool head)



HKG-10000 Class900~2500 DN15~200

(当阀门  $C_v \leq 4$  时, 阀塞采用带曲面阀芯头的结构)

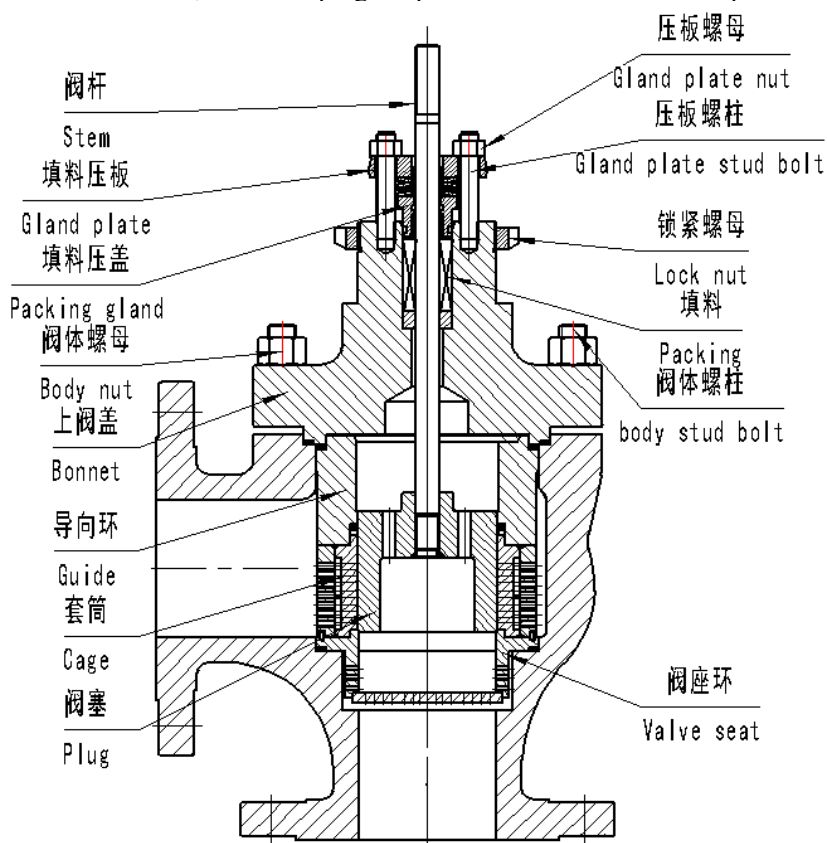
(When valve  $C_v \leq 4$ , the valve plug adopts a structure with curved spool head)



HKG-10100 Class150、PN16~25 DN15~200

(当阀门  $C_v \leq 4$  时, 阀塞采用带曲面阀芯头的结构)

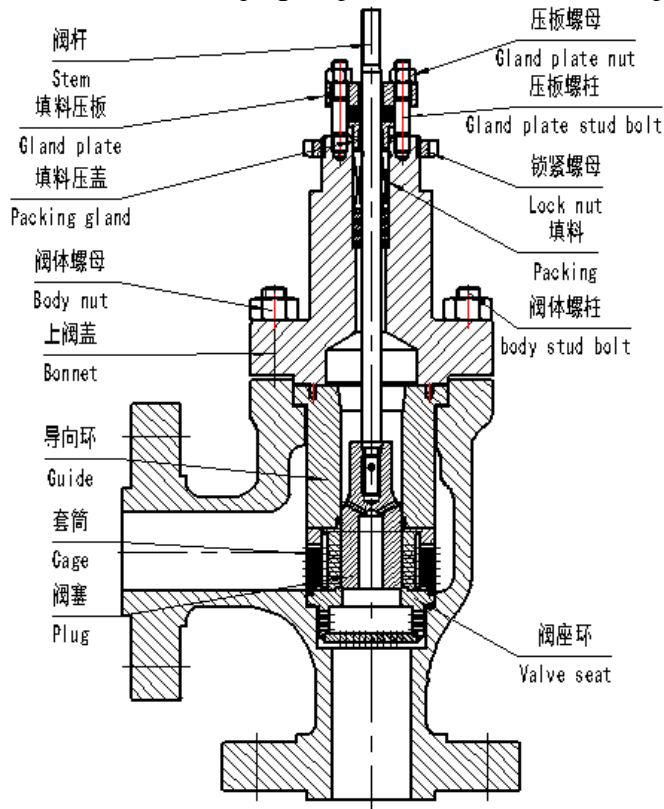
(When valve  $C_v \leq 4$ , the valve plug adopts a structure with curved spool head)



HKG-10100 Class300~600、PN40~100 DN15~200

(当阀门  $C_v < 4$  时, 阀塞采用带曲面阀芯头的结构)

(When valve Cv≤4, the valve plug adopts a structure with curved spool head)



HKG-10100 Class900~2500 DN15~200

(当阀门 Cv≤4 时，阀塞采用带曲面阀芯头的结构)

(When valve Cv≤4, the valve plug adopts a structure with curved spool head)

表 3 CV 值和行程

Table 3 CV Values and Stroke

公称压力(Class150, PN16~25)

Nominal pressure (Class150, PN16-25)

| 公称通径<br>Nominal diameter                     |                               | 15/20/25 |     |     | 20/25 | 25  | 32  | 40  | 50  | 65  | 80  | 100 | 125 | 150 | 200 | 250 | 300  | 350  | 400  | 450  |
|----------------------------------------------|-------------------------------|----------|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| 阀座直径<br>Diameter of valve seat               |                               | 8        | 11  | 14  | 20    | 25  | 30  | 40  | 50  | 65  | 80  | 100 | 125 | 150 | 200 | 250 | 300  | 350  | 400  | 450  |
| 降压级数<br>Stages for pressure reducing         |                               | 2        |     |     |       |     | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    | 2    |
| 压差范围(MPa)<br>Pressure difference range (MPa) |                               | ΔP1      |     |     |       |     | ΔP1 | ΔP1 | ΔP1 | ΔP1 | ΔP1 | ΔP1 | ΔP1 | ΔP1 | ΔP1 | ΔP1 | ΔP1  | ΔP1  | ΔP1  | ΔP1  |
| 额定<br>Cv<br>Rated<br>Cv<br>value             | 线性 L<br>Linear L              | 0.25     | 1   | 2.5 | 6.3   | 9   | 9   | 11  | 17  | 32  | 48  | 68  | 99  | 125 | 240 | 330 | 530  | 700  | 1000 | 1050 |
|                                              |                               | 0.4      | 1.6 | 4   |       |     | 14  | 17  | 32  | 48  | 68  | 99  | 140 | 175 | 330 | 650 | 700  | 1050 | 1200 | 1650 |
|                                              |                               | 0.63     | -   | -   |       |     | 17  | 26  | 48  | 80  | 99  | 140 | 200 | 275 | 530 | 850 | 1050 | 1440 | 1650 | 2250 |
|                                              | 等百分比%<br>Equal<br>percentage% | 0.25     | 1   | 2.5 | 4     | 6.3 | 6.3 | 9   | 11  | 17  | 24  | 48  | 68  | 99  | 125 | 175 | 330  | 530  | 700  | 1000 |
|                                              |                               | 0.4      | 1.6 | -   |       |     | 9   | 14  | 17  | 24  | 48  | 68  | 99  | 125 | 175 | 330 | 530  | 700  | 1000 | 1200 |
|                                              |                               | 0.63     | -   | -   |       |     | 14  | 20  | 24  | 60  | 68  | 99  | 125 | 160 | 330 | 650 | 700  | 1000 | 1200 | 1650 |
| 额定行程 mm<br>Rated stroke mm                   |                               | 14.3     |     |     |       |     | 25  |     |     | 38  |     |     | 50  |     | 75  | 100 |      | 120  |      | 150  |

注：1. 压差范围 (Mpa) : 1.5<ΔP1≤3;

Note: 1. Pressure difference range (Mpa): 1.5 < Δ P1 ≤ 3;

2. 特殊 Cv 及更高压差工况可咨询公司技术部。

2. In case of special Cv and higher differential pressure, it is recommended to consult the technical department of the company.

公称压力(Class300, PN40)

Nominal pressure (Class300, PN40)

| 公称通径<br>Nominal diameter                     |                               | 15/20/25 |     |     |      |     | 20/25 |     | 25  |     | 32  |     | 40  |     | 50  |     | 65  |     | 80  |     | 100 |    |  |
|----------------------------------------------|-------------------------------|----------|-----|-----|------|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|
| 阀座直径<br>Diameter of valve seat               |                               | 8        | 11  | 14  | 8    | 11  | 20    | 14  | 25  | 20  | 30  | 25  | 40  | 30  | 50  | 40  | 65  | 50  | 80  | 65  | 100 | 75 |  |
| 降压级数<br>Stages for pressure reducing         |                               | 2        |     |     | 3    |     |       | 2   | 3   | 2   | 3   | 2   | 3   | 2   | 3   | 2   | 3   | 2   | 3   | 2   | 3   |    |  |
| 压差范围(MPa)<br>Pressure difference range (MPa) |                               | ΔP1      |     |     | ΔP2  |     |       | ΔP1 | ΔP2 | ΔP1 | ΔP2 | ΔP1 | ΔP2 | ΔP1 | ΔP2 | ΔP1 | ΔP2 | ΔP1 | ΔP2 | ΔP1 | ΔP2 |    |  |
| 额定<br>Cv<br>Rated<br>Cv<br>value             | 线性 L<br>Linear L              | 0.25     | 1   | 2.5 | 0.25 | 1   | 6.3   | 4   | 9   | 6.3 | 9   | 4   | 11  | 6.3 | 17  | 11  | 32  | 24  | 48  | 32  | 68  | 44 |  |
|                                              |                               | 0.4      | 1.6 | 4   | 0.4  | 1.6 |       | 2.5 |     |     | 14  | 6.3 | 17  | 11  | 32  | 17  | 48  | 32  | 68  | 44  | 99  | 60 |  |
|                                              |                               | 0.63     | -   | -   | 0.63 | -   |       | -   |     |     | 17  | 9   | 26  | 16  | 48  | 24  | 80  | 44  | 99  | 68  | 140 | 80 |  |
|                                              | 等百分比%<br>Equal<br>percentage% | 0.25     | 1   | 2.5 | 0.25 | 1   | 4     | 2.5 | 6.3 | 4   | 6.3 | 2.5 | 9   | 4   | 11  | 6.3 | 17  | 17  | 24  | 24  | 48  | 24 |  |
|                                              |                               | 0.4      | 1.6 | -   | 0.4  | 1.6 |       | -   |     |     | 9   | 4   | 14  | 6.3 | 17  | 11  | 24  | 24  | 48  | 32  | 68  | 32 |  |
|                                              |                               | 0.63     | -   | -   | 0.63 | -   |       | -   |     |     | 14  | 8   | 20  | 11  | 24  | 17  | 60  | 32  | 68  | 44  | 99  | 48 |  |
| 额定行程 mm<br>Rated stroke mm                   |                               | 14.3     |     |     |      |     |       |     |     |     |     | 25  |     |     |     |     |     | 38  |     |     |     |    |  |

| 公称通径<br>Nominal diameter                      |                               | 125 |     | 150 |     | 200 |     |     |     | 250 |     |     |     | 300  |     |     |     | 350  |     |     |     | 400  |      |     |     | 450  |
|-----------------------------------------------|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|------|-----|-----|------|
| 阀芯直径<br>Spool diameter                        |                               | 125 | 90  | 150 | 115 | 200 | 160 | 130 | 115 | 250 | 190 | 160 | 130 | 300  | 275 | 205 | 160 | 350  | 275 | 250 | 190 | 400  | 300  | 250 | 205 | 430  |
| 降压级数<br>Stages for pressure reducing          |                               | 2   | 3   | 2   | 3   | 2   | 3   | 4   | 5   | 2   | 3   | 4   | 5   | 2    | 3   | 4   | 5   | 2    | 3   | 4   | 5   | 2    | 3    | 4   | 5   | 2    |
| 压差范围 (MPa)<br>Pressure difference range (MPa) |                               | ΔP1 | ΔP2 | ΔP1 | ΔP2 | ΔP1 | ΔP2 | ΔP3 | ΔP4 | ΔP1 | ΔP2 | ΔP3 | ΔP4 | ΔP1  | ΔP2 | ΔP3 | ΔP4 | ΔP1  | ΔP2 | ΔP3 | ΔP4 | ΔP1  | ΔP2  | ΔP3 | ΔP4 | ΔP1  |
| 额定<br>Cv<br>Rated<br>Cv<br>value              | 线性 L<br>Linear L              | 99  | 68  | 125 | 99  | 240 | 125 | 99  | 80  | 330 | 200 | 125 | 99  | 530  | 330 | 175 | 125 | 700  | 330 | 275 | 200 | 1000 | 480  | 330 | 200 | 1050 |
|                                               |                               | 140 | 99  | 175 | 125 | 330 | 200 | 150 | 125 | 650 | 290 | 200 | 150 | 700  | 480 | 240 | 200 | 1050 | 580 | 480 | 330 | 1200 | 650  | 480 | 330 | 1650 |
|                                               |                               | 200 | 125 | 275 | 160 | 530 | 330 | 200 | 175 | 850 | 420 | 275 | 200 | 1050 | 650 | 400 | 275 | 1440 | 700 | 650 | 450 | 1650 | 1000 | 650 | 480 | 2250 |
|                                               | 等百分比%<br>Equal<br>percentage% | 68  | 32  | 99  | 48  | 125 | 80  | 68  | 44  | 175 | 175 | 125 | 68  | 330  | 240 | 150 | 99  | 530  | 330 | 200 | 125 | 700  | 330  | 200 | 125 | 1000 |
| 额定行程 mm<br>Rated stroke mm                    |                               | 50  |     |     |     | 75  |     |     |     | 100 |     |     |     |      |     |     |     | 120  |     |     |     |      |      |     |     | 150  |

注：1. 压差范围 (Mpa) : 1.5<ΔP1≤3, 3<ΔP2≤6;

Note: 1. Pressure difference range (Mpa): 1.5 < Δ P1 ≤ 3, 3 < Δ P2 ≤ 6;

2. 特殊 Cv 及更高压差工况可咨询公司技术部。

2. In case of special Cv and higher differential pressure, it is recommended to consult the technical department of the company.

公称压力(Class600, PN64~110)

Nominal pressure (Class600, PN64~110)

| 公称通径<br>Nominal diameter                     |                               | 15/20/25 |     |     |      |     | 15/20 |     | 25  |     | 32  |     | 40  |     | 50  |     |     | 65  |     |     | 80  |     |     | 100 |     |     |
|----------------------------------------------|-------------------------------|----------|-----|-----|------|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 阀座直径<br>Diameter of valve seat               |                               | 8        | 11  | 14  | 8    | 11  | 20    | 14  | 25  | 20  | 30  | 25  | 40  | 30  | 50  | 40  | 30  | 65  | 50  | 40  | 80  | 65  | 50  | 100 | 75  | 65  |
| 降压级数<br>Stages for pressure reducing         |                               | 2        |     |     | 3    |     | 2     | 3   | 2   | 3   | 2   | 3   | 2   | 3   | 2   | 3   | 4   | 2   | 3   | 4   | 2   | 3   | 4   | 2   | 3   | 4   |
| 压差范围(MPa)<br>Pressure difference range (MPa) |                               | ΔP1      |     |     | ΔP2  |     | ΔP1   | ΔP2 | ΔP1 | ΔP2 | ΔP1 | ΔP2 | ΔP1 | ΔP2 | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP3 |
| 额定<br>Cv                                     | 线性 L<br>Linear L              | 0.25     | 1   | 2.5 | 0.25 | 1   | 6.3   | 4   | 9   | 6.3 | 9   | 4   | 11  | 6.3 | 17  | 11  | 6.3 | 32  | 24  | 11  | 48  | 32  | 17  | 68  | 44  | 24  |
|                                              |                               | 0.4      | 1.6 | 4   | 0.4  | 1.6 |       | 2.5 |     |     | 14  | 6.3 | 17  | 11  | 32  | 17  | 11  | 48  | 32  | 17  | 68  | 44  | 24  | 99  | 60  | 44  |
|                                              |                               | 0.63     | -   | -   | 0.63 | -   |       | -   |     |     | 17  | 9   | 26  | 16  | 48  | 24  | 14  | 80  | 44  | 24  | 99  | 68  | 40  | 140 | 80  | 60  |
| Rated<br>Cv<br>value                         | 等百分比%<br>Equal<br>percentage% | 0.25     | 1   | 2.5 | 0.25 | 1   | 4     | 2.5 | 6.3 | 4   | 6.3 | 2.5 | 9   | 4   | 11  | 6.3 | 4   | 17  | 17  | 6.3 | 24  | 24  | 11  | 48  | 24  | 17  |
|                                              |                               | 0.4      | 1.6 | -   | 0.4  | 1.6 |       | 4   |     |     | 9   | 4   | 14  | 6.3 | 17  | 11  | 6.3 | 24  | 24  | 11  | 48  | 32  | 17  | 68  | 32  | 24  |
|                                              |                               | 0.63     | -   | -   | 0.63 | -   |       | -   |     |     | 14  | 8   | 20  | 11  | 24  | 17  | 9   | 60  | 32  | 17  | 68  | 44  | 24  | 99  | 48  | 32  |
| 额定行程 mm<br>Rated stroke mm                   |                               | 14.3     |     |     |      |     |       |     |     |     |     | 25  |     |     |     |     |     | 38  |     |     |     |     |     |     |     |     |

| 公称通径<br>Nominal diameter                     |                              | 125 |     |     | 150 |     |     |     | 200 |     |     |     | 250 |     |     |     | 300  |     |     |     | 350  |     |     |     | 400  |      |     |     | 450  |
|----------------------------------------------|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|------|-----|-----|------|
| 阀芯直径<br>Spool diameter                       |                              | 125 | 90  | 75  | 150 | 115 | 90  | 75  | 200 | 160 | 130 | 115 | 250 | 190 | 160 | 130 | 300  | 275 | 205 | 160 | 350  | 275 | 250 | 190 | 400  | 300  | 250 | 205 | 430  |
| 降压级数<br>Stages for pressure reducing         |                              | 2   | 3   | 4   | 2   | 3   | 4   | 5   | 2   | 3   | 4   | 5   | 2   | 3   | 4   | 5   | 2    | 3   | 4   | 5   | 2    | 3   | 4   | 5   | 2    | 3    | 4   | 5   | 2    |
| 压差范围（MPa）<br>Pressure difference range (MPa) |                              | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP3 | ΔP4 | ΔP1 | ΔP2 | ΔP3 | ΔP4 | ΔP1 | ΔP2 | ΔP3 | ΔP4 | ΔP1  | ΔP2 | ΔP3 | ΔP4 | ΔP1  | ΔP2 | ΔP3 | ΔP4 | ΔP1  | ΔP2  | ΔP3 | ΔP4 | ΔP1  |
| 额 定<br>Cv<br>Rated<br>Cv<br>value            | 线性 L<br>Linear L             | 99  | 68  | 44  | 125 | 99  | 60  | 44  | 240 | 125 | 99  | 80  | 330 | 200 | 125 | 99  | 530  | 330 | 175 | 125 | 700  | 330 | 275 | 200 | 1000 | 480  | 330 | 200 | 1050 |
|                                              |                              | 140 | 99  | 68  | 175 | 125 | 80  | 60  | 330 | 200 | 150 | 125 | 650 | 290 | 200 | 150 | 700  | 480 | 240 | 200 | 1050 | 580 | 480 | 330 | 1200 | 650  | 480 | 330 | 1650 |
|                                              |                              | 200 | 125 | 85  | 275 | 160 | 110 | 80  | 530 | 330 | 200 | 175 | 850 | 420 | 275 | 200 | 1050 | 650 | 400 | 275 | 1440 | 700 | 650 | 450 | 1650 | 1000 | 650 | 480 | 2250 |
|                                              | 等百分比<br>Equal<br>percentage% | 68  | 32  | 24  | 99  | 48  | 24  | 17  | 125 | 80  | 68  | 44  | 175 | 175 | 125 | 68  | 330  | 240 | 150 | 99  | 530  | 330 | 200 | 125 | 700  | 330  | 200 | 125 | 1000 |
|                                              |                              | 99  | 44  | 32  | 125 | 68  | 44  | 24  | 175 | 125 | 99  | 68  | 330 | 240 | 175 | 99  | 530  | 400 | 200 | 150 | 700  | 480 | 330 | 200 | 1000 | 480  | 330 | 200 | 1200 |
|                                              |                              | 125 | 68  | 48  | 160 | 85  | 60  | 44  | 330 | 200 | 140 | 99  | 650 | 350 | 240 | 150 | 700  | 530 | 275 | 200 | 1000 | 580 | 480 | 330 | 1200 | 580  | 480 | 330 | 1650 |
| 额定行程 mm<br>Rated stroke mm                   |                              | 50  |     |     |     |     |     |     | 75  |     |     |     | 100 |     |     |     |      |     |     | 120 |      |     |     |     |      |      | 150 |     |      |

注：1. 压差范围 (Mpa) : 1.5<ΔP1≤3; 3<ΔP2≤6; 6<ΔP3≤9; ΔP4>9。

Note: 1. Pressure difference range (Mpa): 1.5<ΔP1≤3; 3<ΔP2≤6; 6<ΔP3≤9; ΔP4>9.

2. 特殊 Cv 及更高压差工况可咨询公司技术部。

2. In case of special Cv and higher differential pressure, it is recommended to consult the technical department of the company.

公称压力(Class900/1500、PN150~260)

Nominal pressure (Class900/1500, PN150~260)

| 公称通径<br>Nominal diameter             |  | 15/20/25 |    |    |   |     |    |   |    | 20/25 |    |    | 25  |     |     | 32  |     | 40  |     | 50  |     |
|--------------------------------------|--|----------|----|----|---|-----|----|---|----|-------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 降压级数<br>Stages for pressure reducing |  | 2        |    |    |   | 3   |    |   |    | 4     |    |    | 2   | 3   | 4   | 2   | 3   | 2   | 3   | 2   | 3   |
| 阀座直径<br>Diameter of valve seat       |  | 8        | 11 | 14 | 8 | 11  | 14 | 8 | 11 | 22    | 14 | 11 | 28  | 22  | 14  | 35  | 28  | 35  | 28  | 50  | 40  |
| 压差范围(MPa)<br>Pressure                |  | ΔP1      |    |    |   | ΔP2 |    |   |    | ΔP3   |    |    | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP1 | ΔP2 | ΔP1 | ΔP2 |



| difference range<br>(MPa)        |                                       |                                                                                                      |     |     |      |     |     |      |     |     |   |     |   |     |   |     |     |     |     |    |     |
|----------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------|-----|-----|------|-----|-----|------|-----|-----|---|-----|---|-----|---|-----|-----|-----|-----|----|-----|
| 额定<br>Cv<br>Rated<br>Cv<br>value | 线性 L<br>Linear L                      | 0.25                                                                                                 | 1   | 2.5 | 0.25 | 1   | 2.5 | 0.25 | 1   | 6.3 | 4 | 2.5 | 9 | 6.3 | 4 | 9   | 6.3 | 9   | 6.3 | 17 | 11  |
|                                  |                                       | 0.4                                                                                                  | 1.6 | 4   | 0.4  | 1.6 | -   | 0.4  | 1.6 |     |   |     |   |     |   | 13  | 11  | 13  | 11  | 24 | 17  |
|                                  |                                       | 0.63                                                                                                 | -   | -   | 0.63 | -   | -   | 0.63 | -   |     |   |     |   |     |   | 17  | 14  | 18  | 15  | 40 | 24  |
|                                  | 等百分比<br>Equal<br>percentage<br>%<br>% | 0.25                                                                                                 | 1   | 2.5 | 0.25 | 1   | 2.5 | 0.25 | 1   | 6.3 | 4 | 2.5 | 9 | 6.3 | 4 | 6.3 | 4   | 6.3 | 4   | 11 | 6.3 |
|                                  |                                       | 0.4                                                                                                  | 1.6 | 4   | 0.4  | 1.6 | -   | 0.4  | 1.6 |     |   |     |   |     |   | 9   | 6.3 | 9   | 6.3 | 17 | 11  |
|                                  |                                       | 0.63                                                                                                 | -   | -   | 0.63 | -   | -   | 0.63 | -   |     |   |     |   |     |   | 13  | 11  | 13  | 11  | 24 | 17  |
| 额定行程 mm<br>Rated stroke mm       |                                       | Cv<1, 额定行程为 14.3mm; Cv≥1, 额定行程为 25mm。<br>Cv<1, rated stroke is 14.3mm; Cv ≥ 1, rated stroke is 25mm. |     |     |      |     |     |      |     | 25  |   |     |   |     |   |     |     |     |     |    |     |

| 公称通径<br>Nominal diameter                     |                              | 65  |     |     | 80  |     |     | 100 |     |     | 125 |     |     | 150 |     |     |     | 200 |     |     |     |
|----------------------------------------------|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 降压级数<br>Stages for pressure reducing         |                              | 2   | 3   | 4   | 2   | 3   | 4   | 2   | 3   | 4   | 2   | 3   | 4   | 2   | 3   | 4   | 5   | 2   | 3   | 4   | 5   |
| 阀座直径<br>Diameter of valve seat               |                              | 75  | 50  | 40  | 75  | 50  | 40  | 100 | 75  | 50  | 150 | 130 | 100 | 150 | 130 | 100 | 90  | 190 | 160 | 130 | 115 |
| 压差范围(MPa)<br>Pressure difference range (MPa) |                              | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP3 | ΔP4 | ΔP1 | ΔP2 | ΔP3 | ΔP4 |
| 额定<br>Cv<br>Rated<br>Cv<br>value             | 线性 L<br>Linear L             | 44  | 24  | 11  | 44  | 24  | 11  | 60  | 44  | 17  | 125 | 99  | 68  | 125 | 99  | 68  | 44  | 200 | 125 | 99  | 80  |
|                                              |                              | 60  | 32  | 17  | 60  | 32  | 17  | 99  | 60  | 24  | 200 | 125 | 99  | 200 | 125 | 99  | 68  | 330 | 200 | 140 | 125 |
|                                              |                              | 80  | 44  | 24  | 80  | 44  | 24  | 140 | 80  | 40  | 275 | 175 | 125 | 275 | 175 | 125 | 99  | 450 | 330 | 200 | 160 |
|                                              | 等百分比 %<br>Equal percentage % | 24  | 17  | 6.3 | 24  | 17  | 6.3 | 44  | 24  | 11  | 68  | 44  | 24  | 68  | 44  | 24  | 17  | 125 | 80  | 68  | 44  |
|                                              |                              | 44  | 24  | 11  | 44  | 24  | 11  | 60  | 32  | 17  | 99  | 68  | 44  | 99  | 68  | 44  | 32  | 200 | 125 | 99  | 68  |
| 60                                           |                              | 32  | 17  | 60  | 32  | 17  | 80  | 48  | 24  | 125 | 99  | 68  | 125 | 99  | 68  | 48  | 275 | 200 | 140 | 99  |     |
| 额定行程 mm<br>Rated stroke mm                   |                              | 38  |     |     |     |     |     |     |     |     |     |     |     | 50  |     |     |     | 75  |     |     |     |

注：1. 压差范围 (Mpa) : 1.5<ΔP1≤3; 3<ΔP2≤6; 6<ΔP3≤9; ΔP4>9。

Note: 1. Pressure difference range (Mpa): 1.5<ΔP1≤3; 3<ΔP2≤6; 6<ΔP3≤9; ΔP4>9.

2. 特殊 Cv 及更高压差工况可咨询公司技术部。

2. In case of special Cv and higher differential pressure, it is recommended to consult the technical department of the company.

公称压力(Class2500、PN320~420)

Nominal pressure (Class2500, PN320~420)

| 公称通径<br>Nominal diameter                         |                               | 15/20/25                                                                                             |     |     |      |     |     |      |     |     | 20/25 |     |     | 25  |     |     | 32  |     | 40  |     | 50  |  |
|--------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------|-----|-----|------|-----|-----|------|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 降压级数<br>Stages for pressure reducing             |                               | 2                                                                                                    |     |     | 3    |     |     | 4    |     | 2   | 3     | 4   | 2   | 3   | 4   | 2   | 3   | 2   | 3   | 2   | 3   |  |
| 阀座直径<br>Diameter of valve seat                   |                               | 8                                                                                                    | 11  | 14  | 8    | 11  | 14  | 8    | 11  | 22  | 14    | 11  | 28  | 22  | 14  | 35  | 28  | 35  | 28  | 50  | 40  |  |
| 压差范围<br>Pressure difference range (MPa)<br>(MPa) |                               | ΔP1                                                                                                  |     |     | ΔP2  |     |     | ΔP3  |     | ΔP1 | ΔP2   | ΔP3 | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP1 | ΔP2 | ΔP1 | ΔP2 |  |
| 额定<br>Cv<br>Rated<br>Cv<br>value                 | 线性 L<br>Linear L              | 0.25                                                                                                 | 1   | 2.5 | 0.25 | 1   | 2.5 | 0.25 | 1   | 6.3 | 4     | 2.5 | 6.3 | 6.3 | 4   | 9   | 6.3 | 9   | 6.3 | 17  | 11  |  |
|                                                  |                               | 0.4                                                                                                  | 1.6 | 4   | 0.4  | 1.6 | -   | 0.4  | 1.6 |     |       |     |     |     |     | 13  | 11  | 13  | 11  | 24  | 17  |  |
|                                                  |                               | 0.63                                                                                                 | -   | -   | 0.63 | -   | -   | 0.63 | -   |     |       |     |     |     |     | 17  | 14  | 18  | 15  | 32  | 24  |  |
|                                                  | 等百分比%<br>Equal<br>percentage% | 0.25                                                                                                 | 1   | 2.5 | 0.25 | 1   | 2.5 | 0.25 | 1   | 6.3 | 4     | 2.5 | 6.3 | 6.3 | 4   | 6.3 | 4   | 6.3 | 4   | 11  | 6.3 |  |
|                                                  |                               | 0.4                                                                                                  | 1.6 | 4   | 0.4  | 1.6 | -   | 0.4  | 1.6 |     |       |     |     |     |     | 9   | 6.3 | 9   | 6.3 | 17  | 11  |  |
|                                                  |                               | 0.63                                                                                                 | -   | -   | 0.63 | -   | -   | 0.63 | -   |     |       |     |     |     |     | 13  | 11  | 13  | 11  | 24  | 17  |  |
| 额定行程 mm<br>Rated stroke mm                       |                               | Cv<1, 额定行程为 14.3mm; Cv≥1, 额定行程为 25mm。<br>Cv<1, rated stroke is 14.3mm; Cv ≥ 1, rated stroke is 25mm. |     |     |      |     |     |      |     |     | 25    |     |     |     |     |     |     |     |     |     |     |  |

| 公称通径<br>Nominal diameter                     |                            | 65  |     |     | 80  |     |     | 100 |     |     | 125 |     |     | 150 |     |     |     | 200 |     |     |     |
|----------------------------------------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 降压级数<br>Stages for pressure reducing         |                            | 2   | 3   | 4   | 2   | 3   | 4   | 2   | 3   | 4   | 2   | 3   | 4   | 2   | 3   | 4   | 5   | 2   | 3   | 4   | 5   |
| 阀座直径<br>Diameter of valve seat               |                            | 65  | 40  | 32  | 65  | 40  | 32  | 90  | 65  | 40  | 130 | 115 | 100 | 130 | 115 | 90  | 75  | 160 | 130 | 115 | 90  |
| 压差范围(MPa)<br>Pressure difference range (MPa) |                            | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP3 | ΔP1 | ΔP2 | ΔP3 | ΔP4 | ΔP1 | ΔP2 | ΔP3 | ΔP4 |
| 额 定<br>Cv<br>Rated<br>Cv<br>value            | 线性 L<br>Linear L           | 17  | 11  | 6.3 | 17  | 11  | 6.3 | 44  | 24  | 11  | 99  | 80  | 60  | 99  | 80  | 60  | 44  | 175 | 125 | 80  | 68  |
|                                              |                            | 32  | 17  | 11  | 32  | 17  | 11  | 68  | 44  | 17  | 150 | 125 | 80  | 150 | 125 | 80  | 60  | 240 | 160 | 125 | 99  |
|                                              |                            | 60  | 28  | 17  | 60  | 28  | 17  | 99  | 68  | 24  | 200 | 140 | 125 | 200 | 140 | 110 | 80  | 400 | 240 | 175 | 125 |
|                                              | 等百分比%<br>Equal percentage% | 17  | 11  | 6.3 | 17  | 11  | 6.3 | 32  | 17  | 6.3 | 60  | 44  | 24  | 60  | 44  | 24  | 17  | 99  | 80  | 60  | 32  |
|                                              |                            | 32  | 17  | 11  | 32  | 17  | 11  | 44  | 24  | 11  | 80  | 68  | 44  | 80  | 68  | 44  | 24  | 175 | 125 | 80  | 60  |
|                                              |                            | 48  | 24  | 14  | 48  | 24  | 14  | 68  | 44  | 17  | 110 | 85  | 68  | 110 | 90  | 60  | 44  | 240 | 160 | 110 | 80  |
| 额定行程 mm<br>Rated stroke mm                   |                            | 38  |     |     |     |     |     |     |     |     | 50  |     |     |     |     |     |     | 75  |     |     |     |

注：1. 压差范围（Mpa）：1.5<ΔP1≤3； 3<ΔP2≤6； 6<ΔP3≤9； ΔP4>9。

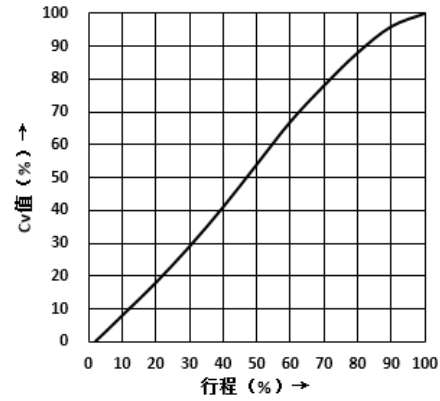
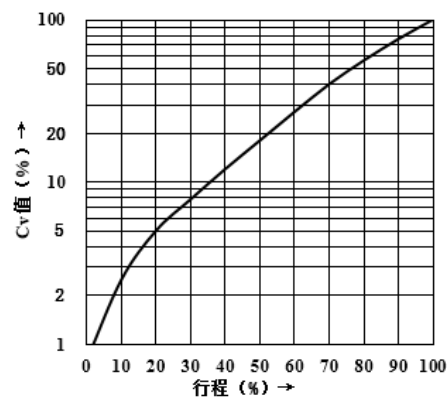
Note: 1. Pressure difference range (Mpa): 1.5<ΔP1≤3； 3<ΔP2≤6； 6<ΔP3≤9； ΔP4>9.

2. 特殊 Cv 及更高压差工况可咨询公司技术部。

2. In case of special Cv and higher differential pressure, it is recommended to consult the technical department of the company.

图 5 典型流量特性曲线

Figure 5 Typical Flow Characteristic Curve



Cv 值 (%)

Cv value (%)

行程 (%)

Stroke (%)

等百分比特性 (%)  
Equal percentage characteristic (%)

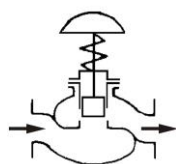
线性特性 (L)  
Linear characteristic (L)

表 4-1 薄膜式执行机构

### Table 4-1 Diaphragm Actuator

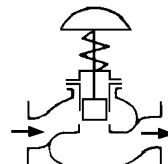
表 4-1-1 气—关式阀

### Table 4-1-1 FO Valve



(适用于气体及蒸汽)

(Applicable to gas & steam)



(适用于液体)

(Applicable to liquids)

(公称压力 Class150~600、PN16~110)

**100kPa**

**(Nominal Pressure Class150~600, PN16~110)**

**100kPa**

[illegible]



|  |        |     |              |                       |                                   |   |   |   |   |   |   |   |   |      |      |      |      |      |      |      |    |    |    |
|--|--------|-----|--------------|-----------------------|-----------------------------------|---|---|---|---|---|---|---|---|------|------|------|------|------|------|------|----|----|----|
|  | HA51D4 | 4.0 | 1.06<br>~2.4 | 软密封<br>Soft seal      | EI(伸长型)<br>EI<br>(Extension type) | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | —    | —    | —  | —  | —  |
|  |        |     |              |                       | P(常温)<br>P(Normal temperature)    | — | — | — | — | — | — | — | — | 100  | 100  | 100  | 100  | 100  | 100  | 100  | —  | —  | —  |
|  |        |     |              | 金属密封<br>Metal sealing | P(常温)<br>P(Normal temperature)    | — | — | — | — | — | — | — | — | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | —  | —  | —  |
|  |        |     |              |                       | EI(伸长型)<br>EI<br>(Extension type) | — | — | — | — | — | — | — | — | 30   | 30   | 30   | 30   | 30   | 30   | 30   | —  | —  | —  |
|  |        |     |              |                       | P(常温)<br>P(Normal temperature)    | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | —    | —    | 62 | 35 | —  |
|  |        |     |              |                       | P(常温)<br>P(Normal temperature)    | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | —    | —    | —  | —  | —  |
|  | HA51D8 | 4.0 | 0.8~<br>2.4  | 金属密封<br>Metal sealing | P(常温)<br>P(Normal temperature)    | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | —    | —    | 30 | 30 | 30 |
|  |        |     |              |                       | P(常温)<br>P(Normal temperature)    | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | —    | —    | —  | —  | —  |
|  |        |     |              | 金属密封<br>Metal sealing | P(常温)<br>P(Normal temperature)    | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | —    | —    | —  | —  | —  |
|  |        |     |              |                       | P(常温)<br>P(Normal temperature)    | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | —    | —    | —  | —  | —  |

(公称压力 Class900~2500、PN150~420)  
(Nominal pressure Class900~2500, PN150~420)

| 公称压力<br>Nominal pressure                   | 执行机构<br>Actuator | 供气压力<br>Air supply pressure | 弹簧范围<br>Spring range | 阀座型式<br>Valve seat type | 温度范围<br>Temperature range            | 允 许 压 差<br>Allowable pressure difference |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------------------------------------|------------------|-----------------------------|----------------------|-------------------------|--------------------------------------|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                            |                  |                             |                      |                         |                                      | 公 称 通 径<br>Nominal diameter              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                            |                  |                             |                      |                         |                                      | 15/20/25                                 |     |     |     | 32  | 40  | 50  | 65  | 80  |     |     |     |     |     |     |     |     |
|                                            |                  |                             |                      |                         |                                      | 阀 座 直 径 (mm)<br>Valve seat diameter (mm) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                            |                  |                             |                      |                         |                                      | 8                                        | 11  | 14  | 22  | 28  | 28  | 35  | 28  | 35  | 40  | 50  | 40  | 50  | 75  | 40  | 50  | 75  |
| Class 900<br>~1500<br>PN150~260<br>JIS 63K | HA31D8           | 4.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   | P (常温)<br>/EI (伸长型)<br><br>P (Normal | 260                                      | 260 | 260 | 260 | 260 | 256 | 240 | 256 | 240 | 230 | 206 | 230 | 206 | 150 | 230 | 206 | 150 |

|                         |        |     |         |                       |                                                  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------|--------|-----|---------|-----------------------|--------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                         | HA41D8 | 4.0 | 0.8~2.4 | 金属密封<br>Metal sealing | temperature)/EI<br>(Extension type)              | —   | —   | —   | —   | —   | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 240 | 260 | 260 | 240 |
|                         |        |     |         |                       |                                                  | 8   | 11  | 14  | 22  | 28  | 28  | 35  | 28  | 35  | 40  | 50  | 32  | 40  | 65  | 32  | 40  | 65  |
| Class 2500<br>PN320~420 | HA31D8 | 4.0 | 0.8~2.4 | 金属密封<br>Metal sealing | P (常温)<br>/EI (伸长型)                              | 285 | 285 | 285 | 285 | 256 | 256 | 240 | 256 | 240 | 230 | 206 | 245 | 230 | 178 | 245 | 230 | 178 |
|                         | HA41D8 | 4.0 | 0.8~2.4 | 金属密封<br>Metal sealing | P (Normal<br>temperature)/EI<br>(Extension type) | —   | —   | —   | —   | 330 | 310 | 300 | 310 | 300 | 290 | 280 | 305 | 290 | 262 | 305 | 290 | 262 |

| 公称压力<br>Nominal pressure                   | 执行机构<br>Actuator | 供气压力<br>Air supply pressure | 弹簧范围<br>Spring range | 阀座型式<br>Valve seat type | 温度范围<br>Temperature range                     | 允许压差<br>Allowable pressure difference |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|--------------------------------------------|------------------|-----------------------------|----------------------|-------------------------|-----------------------------------------------|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
|                                            |                  |                             |                      |                         |                                               | 公称通径<br>Nominal diameter              |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|                                            |                  |                             |                      |                         |                                               | 100                                   |     |     |     | 125 |     |     |     | 150 |     |     |     | 200 |     |  |  |
|                                            |                  |                             |                      |                         |                                               | 阀座直径 (mm)<br>Valve seat diameter (mm) |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|                                            |                  |                             |                      |                         |                                               | 50                                    | 75  | 100 | 100 | 130 | 150 | 90  | 100 | 130 | 150 | 115 | 130 | 160 | 190 |  |  |
| Class 900<br>~1500<br>PN150~260<br>JIS 63K | HA31D8           | 4.0                         | 0.8~2.4              | 金属密封<br>Metal sealing   | P (常温)<br>/EI (伸长型)                           | 206                                   | 150 | 95  | 95  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |  |  |
|                                            | HA41D8           | 4.0                         | 0.8~2.4              | 金属密封<br>Metal sealing   | P (Normal temperature)/EI<br>(Extension type) | 260                                   | 240 | 210 | 210 | 165 | 135 | 220 | 210 | 165 | 135 | 185 | 165 | 120 | 80  |  |  |
|                                            | HA51D4           | 4.0                         | 1.06~2.4             | 金属密封<br>Metal sealing   |                                               | —                                     | —   | —   | —   | —   | —   | —   | —   | —   | —   | 210 | 180 | 160 |     |  |  |
| Class 2500<br>PN320~420                    |                  |                             |                      |                         |                                               | 40                                    | 65  | 90  | 100 | 115 | 130 | 75  | 90  | 115 | 130 | 90  | 115 | 130 | 165 |  |  |
|                                            | HA31D8           | 4.0                         | 0.8~2.4              | 金属密封<br>Metal sealing   | P (常温)<br>/EI (伸长型)                           | 230                                   | 178 | 115 | 95  | 60  | —   | —   | —   | —   | —   | —   | —   | —   | —   |  |  |
|                                            | HA41D8           | 4.0                         | 0.8~2.4              | 金属密封<br>Metal sealing   | P (Normal temperature)/EI<br>(Extension type) | 295                                   | 265 | 220 | 210 | 185 | 165 | 240 | 220 | 185 | 165 | 220 | 185 | 165 | 115 |  |  |
|                                            | HA51D1           | 4.0                         | 1.06~2.06            | 金属密封<br>Metal sealing   |                                               | —                                     | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | 210 | 200 | 170 |  |  |

表 4-1-2 气—开式阀

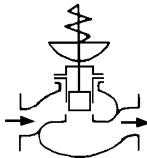
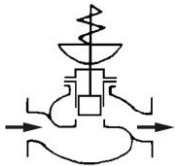
Table 4-1-2 FC Valve

(公称压力 Class150~600、PN16~110)

100kPa

(Nominal Pressure Class150~600, PN16~110)

100kPa



| 公称压力<br>Nominal pressure     | 执行机构<br>Actuator | 供气压力<br>Air supply pressure | 弹簧范围<br>Spring range | 阀座型式<br>Valve seat type         | 温度范围<br>Temperature range        | 允许压差<br>Allowable pressure difference |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |    |  |  |  |
|------------------------------|------------------|-----------------------------|----------------------|---------------------------------|----------------------------------|---------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|----|--|--|--|
|                              |                  |                             |                      |                                 |                                  | 公称通径<br>Nominal diameter              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |    |  |  |  |
|                              |                  |                             |                      |                                 |                                  | 15/20/25                              |      |      |      | 32   |      | 40   |      | 50   |      | 65   |      | 80   |      | 100  |      | 125  |      |      |      |     |     |     |     |    |  |  |  |
|                              |                  |                             |                      |                                 |                                  | 阀座直径 (mm)<br>Valve seat diameter (mm) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |    |  |  |  |
|                              |                  |                             |                      |                                 |                                  | 8                                     | 11   | 14   | 20   | 25   | 25   | 30   | 30   | 40   | 30   | 40   | 50   | 40   | 50   | 65   | 50   | 65   | 80   | 65   | 75   | 100 | 75  | 90  | 125 |    |  |  |  |
| Class1<br>50~60、<br>PN16~110 | HA21<br>R8       | 4.0                         | 0.8 ~ 2.4            | 金属密封<br>Metal sealing           | P (常温)<br>P (Normal temperature) | 100                                   | 100  | 100  | 78   | 57   | 57   | 36   | 36   | —    | 36   | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —   | —   | —   | —   |    |  |  |  |
|                              |                  |                             |                      | EI (伸长期)<br>EI (Extension type) | —                                | —                                     | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —   | —   | —   | —   |    |  |  |  |
|                              |                  |                             |                      | 软密封<br>Soft seal                | P (常温)<br>P (Normal temperature) | 30                                    | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | —    | —    | —    | —    | —    | —    | —    | —    | —   | —   | —   | —   | —  |  |  |  |
|                              | HA31<br>R8       | 4.0                         | 0.8 ~ 2.4            | 金属密封<br>Metal sealing           | P (常温)<br>P (Normal temperature) | —                                     | —    | —    | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 89   | 61   | 20   | 61   | 20   | —    | 20   | —    | —   | —   | —   | —   |    |  |  |  |
|                              |                  |                             |                      | EI (伸长期)<br>EI (Extension type) | 83.3                             | 83.3                                  | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —   | —   | —   | —   |    |  |  |  |
|                              |                  |                             |                      | 软密封<br>Soft seal                | P (常温)<br>P (Normal temperature) | —                                     | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30  | 30  | —   | —   | —  |  |  |  |
|                              | HA41<br>R8       | 4.0                         | 0.8 ~ 2.4            | 金属密封<br>Metal sealing           | P (常温)<br>P (Normal temperature) | —                                     | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 84   | 95  | 69  | 7   |     |    |  |  |  |
|                              |                  |                             |                      | EI (伸长期)<br>EI (Extension type) | —                                | —                                     | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | —   | —   | —   |     |    |  |  |  |
|                              |                  |                             |                      | 软密封<br>Soft seal                | P (常温)<br>P (Normal temperature) | —                                     | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —   | —   | 30  | 30  | 30 |  |  |  |
|                              | HA42<br>R8       | 4.0                         | 0.8 ~ 2.4            | 金属密封<br>Metal sealing           | P (常温)<br>P (Normal temperature) |                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 100 | 100 | 100 |     |    |  |  |  |



[illegible]

(适用于气体及蒸汽 Refer to gas & steam)

(Applicable to gas & steam)

(适用于液体 Refer to liquid)

(Applicable to liquid)

**100kPa**

[illegible]



Chongqing Chuanyi control Valve Co., Ltd.,`

**(Nominal pressure Class900~2500, PN150~420)**

| 公称压力<br>Nominal pressure            | 执行机构<br>Actuator | 供气压力<br>Air supply pressure | 弹簧范围<br>Spring range | 阀座型式<br>Valve seat type | 温度范围<br>Temperature range                                                | 允许压差<br>Allowable pressure difference |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|------------------|-----------------------------|----------------------|-------------------------|--------------------------------------------------------------------------|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     |                  |                             |                      |                         |                                                                          | 公称通径<br>Nominal diameter              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                     |                  |                             |                      |                         |                                                                          | 15/20/25                              |     |     |     | 32  | 40  | 50  | 65  | 80  |     |     |     |     |     |     |     |     |
|                                     |                  |                             |                      |                         |                                                                          | 阀座直径 (mm)<br>Valve seat diameter (mm) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                     |                  |                             |                      |                         |                                                                          | 8                                     | 11  | 14  | 22  | 28  | 28  | 35  | 28  | 35  | 40  | 50  | 40  | 50  | 75  | 40  | 50  | 75  |
| Class900<br>~ 1500<br>PN150<br>~260 | HA31R8           | 4.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   | P (常温)<br>/EI (伸长型)<br><br>P (Normal temperature)/EI<br>(Extension type) | 150                                   | 150 | 150 | 135 | 120 | 120 | 102 | 120 | 102 | 92  | 68  | 92  | 68  | 10  | 92  | 68  | 20  |
|                                     | HA41R8           | 4.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   |                                                                          | 180                                   | 180 | 180 | 180 | 160 | 160 | 150 | 160 | 150 | 143 | 130 | 143 | 130 | 93  | 143 | 130 | 100 |
| Class 2500<br>PN320~420             |                  |                             |                      |                         |                                                                          | 阀座直径 (mm)<br>Valve seat diameter (mm) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                     |                  |                             |                      |                         |                                                                          | 8                                     | 11  | 14  | 22  | 28  | 28  | 35  | 28  | 35  | 40  | 50  | 32  | 40  | 65  | 32  | 40  | 65  |
|                                     | HA31R8           | 4.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   | P (常温)<br>/EI (伸长型)<br><br>P (Normal temperature)/EI<br>(Extension type) | 150                                   | 150 | 150 | 135 | 120 | 120 | 102 | 120 | 102 | 92  | 68  | 110 | 92  | 68  | 110 | 92  | 68  |
|                                     | HA41R8           | 4.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   |                                                                          | 180                                   | 180 | 180 | 180 | 160 | 160 | 150 | 160 | 150 | 143 | 130 | 156 | 143 | 111 | 156 | 143 | 111 |

| 公称压力<br>Nominal pressure            | 执行机构<br>Actuator | 供气压力<br>Air supply pressure | 弹簧范围<br>Spring range | 阀座型式<br>Valve seat type | 温度范围<br>Temperature range                                              | 允 许 压 差<br>Allowable pressure difference |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|------------------|-----------------------------|----------------------|-------------------------|------------------------------------------------------------------------|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     |                  |                             |                      |                         |                                                                        | 公 称 通 径<br>Nominal diameter              |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                     |                  |                             |                      |                         |                                                                        | 100                                      |     |     | 125 |     |     | 150 |     |     | 200 |     |     |     |     |
|                                     |                  |                             |                      |                         |                                                                        | 阀 座 直 径（mm）<br>Valve seat diameter (mm)  |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                     |                  |                             |                      |                         |                                                                        | 50                                       | 75  | 100 | 100 | 130 | 150 | 90  | 100 | 130 | 150 | 115 | 130 | 160 | 190 |
| Class900<br>~ 1500<br>PN150<br>~260 | HA31R8           | 4.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   | P（常温）<br>/EI（伸长型）<br><br>P (Normal temperature)/EI<br>(Extension type) | 68                                       | 10  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |     |     |
|                                     | HA41R8           | 4.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   |                                                                        | 130                                      | 93  | 58  | 58  | 15  | —   | 73  | 58  | 15  | —   | 36  | 15  | —   | —   |
|                                     | HA42R8           | 4.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   |                                                                        | —                                        | —   | —   | —   | —   | 185 | —   | —   | —   | 185 | 238 | 215 | 170 | 125 |
|                                     | HV61SR5          | 5.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   |                                                                        | —                                        | —   | —   | —   | 152 | —   | 178 | 170 | 152 | 138 | 162 | 152 | 132 | 111 |
| Class 2500<br>PN320~420             |                  |                             |                      |                         |                                                                        | 阀 座 直 径（mm）<br>Valve seat diameter (mm)  |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                     |                  |                             |                      |                         |                                                                        | 40                                       | 65  | 90  | 100 | 115 | 130 | 75  | 90  | 115 | 130 | 90  | 115 | 130 | 165 |
|                                     | HA31R8           | 4.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   | P（常温）<br>/EI（伸长型）<br><br>P (Normal temperature)/EI<br>(Extension type) | 92                                       | 68  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                     | HA41R8           | 4.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   |                                                                        | 143                                      | 110 | 73  | 58  | 36  | 15  | 93  | 73  | 36  | 15  | 73  | 36  | 15  | —   |
|                                     | HA42R8           | 4.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   |                                                                        | —                                        | —   | —   | —   | —   | —   | —   | —   | —   | —   | 270 | 238 | 215 | 163 |
|                                     | HV61SR5          | 5.0                         | 0.8~<br>2.4          | 金属密封<br>Metal sealing   |                                                                        | —                                        | —   | —   | —   | —   | —   | 185 | 178 | 162 | 152 | 178 | 162 | 152 | 130 |

表 4-2 气缸式执行机构（HV 双作用）  
Table 4-2 Cylinder Type Actuator (HV Double Acting)  
公称压力 Class150~600、PN16~110  
Nominal Pressure Class150~600, PN16~110

100kPa  
100kPa

| 公称压力<br>Nominal pressure | 执行机构<br>Actuator | 供气压力<br>Air supply pressure | 阀座型式<br>Valve seat type | 温度范围<br>Temperature range       | 允许压差<br>Allowable pressure difference |    |     |    |     |     |    |     |     |     |     |     |     |     |  |  |
|--------------------------|------------------|-----------------------------|-------------------------|---------------------------------|---------------------------------------|----|-----|----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|--|--|
|                          |                  |                             |                         |                                 | 公称通径<br>Nominal diameter              |    |     |    |     |     |    |     |     |     |     |     |     |     |  |  |
|                          |                  |                             |                         |                                 | 100                                   |    |     |    | 125 |     |    | 150 |     |     |     | 200 |     |     |  |  |
|                          |                  |                             |                         |                                 | 阀座直径（mm）<br>Valve seat diameter (mm)  |    |     |    |     |     |    |     |     |     |     |     |     |     |  |  |
|                          |                  |                             |                         |                                 | 65                                    | 75 | 100 | 75 | 90  | 125 | 75 | 90  | 115 | 150 | 115 | 130 | 160 | 200 |  |  |
| Class150~600、PN16~110    | HV41D00          | 5.0                         | 金属密封<br>Metal sealing   | P（常温）<br>P (Normal temperature) | 100                                   |    |     |    |     |     |    |     |     |     |     |     |     |     |  |  |
|                          |                  |                             |                         | EI（伸长型）<br>EI (Extension type)  | 100                                   |    |     |    |     |     |    |     |     |     |     |     |     |     |  |  |
|                          |                  |                             |                         |                                 |                                       |    |     |    |     |     |    |     |     |     |     |     |     |     |  |  |
|                          |                  |                             |                         |                                 |                                       |    |     |    |     |     |    |     |     |     |     |     |     |     |  |  |
|                          |                  |                             | 软密封<br>Soft seal        | P（常温）<br>P (Normal temperature) | 30                                    |    |     |    |     |     |    |     |     |     |     |     |     |     |  |  |
|                          |                  |                             |                         |                                 | 30                                    | 30 | 30  | 30 | 30  | 30  | 30 | 30  | 30  | —   | —   | —   | —   |     |  |  |
|                          | HV51D00          | 5.0                         | 金属密封<br>Metal sealing   | P（常温）<br>P (Normal temperature) | —                                     | —  | —   | —  | —   | —   | —  | —   | —   | 100 | 100 | 100 | 100 |     |  |  |
|                          |                  |                             |                         | EI（伸长型）<br>EI (Extension type)  | —                                     | —  | —   | —  | —   | —   | —  | —   | —   | 100 | 100 | 100 | 100 |     |  |  |
|                          |                  |                             | 软密封<br>Soft seal        | P（常温）<br>P (Normal temperature) | —                                     | —  | —   | —  | —   | —   | —  | —   | —   | —   | 30  | 30  | 30  | 30  |  |  |
|                          |                  |                             |                         |                                 | —                                     | —  | —   | —  | —   | —   | —  | —   | —   | —   | —   | —   | —   | —   |  |  |

100kPa

| 公称压力<br>Nominal pressure | 执行机构<br>Actuator | 供气压力<br>Air supply pressure | 阀座型式<br>Valve seat type | 温度范围<br>Temperature range        | 允许压差<br>Allowable pressure difference |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------------------|------------------|-----------------------------|-------------------------|----------------------------------|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                          |                  |                             |                         |                                  | 公称通径<br>Nominal diameter              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                          |                  |                             |                         |                                  | 250                                   |     |     |     | 300 |     |     |     | 350 |     |     |     | 400 |     |     | 450 |     |
|                          |                  |                             |                         |                                  | 阀座直径 (mm)<br>Valve seat diameter (mm) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                          |                  |                             |                         |                                  | 130                                   | 160 | 190 | 250 | 160 | 205 | 275 | 300 | 205 | 250 | 300 | 350 | 205 | 250 | 300 | 400 | 450 |
| Class150~600、PN16~110    | HV51D00          | 5.0                         | 金属密封<br>Metal sealing   | P (常温)<br>P (Normal temperature) | 100                                   | 100 | 100 | 100 | 100 | 100 | 100 | 71  | —   | —   | —   | —   | —   | —   | —   | —   |     |
|                          |                  |                             |                         | EI (伸长型)<br>EI (Extension type)  | 100                                   | 100 | 100 | 66  | 100 | 100 | 40  | 13  | —   | —   | —   | —   | —   | —   | —   | —   |     |
|                          |                  |                             | 软密封<br>Soft seal        | P (常温)<br>P (Normal temperature) | 30                                    | 30  | 30  | 30  | 30  | 30  | 30  | 30  | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                          |                  |                             |                         |                                  |                                       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                          | HV61D00          | 5.0                         | 金属密封<br>Metal sealing   | P (常温)<br>P (Normal temperature) | —                                     | —   | —   | —   | —   | —   | —   | —   | 100 | 100 | 100 | 100 | —   | —   | —   | —   |     |
|                          |                  |                             |                         | EI (伸长型)<br>EI (Extension type)  | —                                     | —   | —   | —   | —   | —   | —   | —   | 100 | 100 | 100 | 100 | —   | —   | —   | —   |     |
|                          |                  |                             | 软密封<br>Soft seal        | P (常温)<br>P (Normal temperature) | —                                     | —   | —   | —   | —   | —   | —   | —   | 30  | 30  | 30  | 30  | —   | —   | —   | —   | —   |
|                          |                  |                             |                         |                                  |                                       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                          | HV71D00          | 5.0                         | 金属密封<br>Metal sealing   | P (常温)<br>P (Normal temperature) | —                                     | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | 100 | 100 | 100 | 100 | 100 |
|                          |                  |                             |                         | EI (伸长型)<br>EI (Extension type)  | —                                     | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | 100 | 100 | 100 | 100 | 100 |
|                          |                  |                             | 软密封<br>Soft seal        | P (常温)<br>P (Normal temperature) | —                                     | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | 30  | 30  | 30  | 30  | 30  |
|                          |                  |                             |                         |                                  |                                       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

注：1. 最大允许压差不准超过 ASME B16.34 或 JIS B2201 标准规定的最大工作压力。

**Note:** 1. The maximum allowable pressure difference shall not exceed the maximum working pressure specified in standards ASME B16.34 or JIS B2201.

2. The numbers in the black box indicate that the valve is equipped with a standard specification actuator.

| 公称压力<br>Nominal pressure   | 执行机构<br>Actuator | 供气压力<br>Air supply pressure | 阀座型式<br>Valve seat type | 温度范围<br>Temperature range                                        | 允许压差<br>Allowable pressure difference |     |     |     |     |     |     |     |
|----------------------------|------------------|-----------------------------|-------------------------|------------------------------------------------------------------|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|
|                            |                  |                             |                         |                                                                  | 公称通径<br>Nominal diameter              |     |     |     |     |     |     |     |
|                            |                  |                             |                         |                                                                  | 150                                   |     |     |     | 200 |     |     |     |
|                            |                  |                             |                         |                                                                  | 阀座直径 (mm)<br>Valve seat diameter (mm) |     |     |     |     |     |     |     |
|                            |                  |                             |                         |                                                                  | 90                                    | 100 | 130 | 150 | 115 | 130 | 160 | 190 |
| Class900~1500<br>PN150~260 | HV51D00          | 5.0                         | 金属密封<br>Metal sealing   | P (常温)<br>/EI (伸长型<br>P (Normal temperature)/EI (Extension type) | 260                                   | 260 | 260 | 260 | —   | —   | —   | —   |
|                            | HV61D00          | 5.0                         | 金属密封<br>Metal sealing   |                                                                  | —                                     | —   | —   | —   | 260 | 260 | 260 | 260 |
| 公称压力<br>Nominal pressure   | 执行机构<br>Actuator | 供气压力<br>Air supply pressure | 阀座型式<br>Valve seat type | 温度范围<br>Temperature range                                        | 允许压差<br>Allowable pressure difference |     |     |     |     |     |     |     |
|                            |                  |                             |                         |                                                                  | 公称通径<br>Nominal diameter              |     |     |     |     |     |     |     |
|                            |                  |                             |                         |                                                                  | 150                                   |     |     |     | 200 |     |     |     |
|                            |                  |                             |                         |                                                                  | 阀座直径 (mm)<br>Valve seat diameter (mm) |     |     |     |     |     |     |     |
|                            |                  |                             |                         |                                                                  | 90                                    | 100 | 130 | 150 | 115 | 130 | 160 | 190 |
| Class2500<br>PN420         | HV51D00          | 5.0                         | 金属密封<br>Metal sealing   | P (常温)<br>/EI (伸长型<br>P (Normal temperature)/EI (Extension type) | 420                                   | 420 | 420 | 420 | —   | —   | —   | —   |
|                            | HV61D00          | 5.0                         | 金属密封<br>Metal sealing   |                                                                  | —                                     | —   | —   | —   | 420 | 420 | 420 | 420 |

**Table 4-3 Electronic Actuator (EIL) and Intelligent Actuator (M8)**

100kPa

100kPa

| Nominal Pressure Class150~600, PN16~110 |                  |                          |                           |                                       |      |      |      |      |      |      |      |      |      | PN16~110 |     |    |    |     |    |    |    |    |    |
|-----------------------------------------|------------------|--------------------------|---------------------------|---------------------------------------|------|------|------|------|------|------|------|------|------|----------|-----|----|----|-----|----|----|----|----|----|
| 公称压力<br>Nominal pressure                | 执行机构<br>Actuator | 阀座形式<br>Valve seat type  | 温度范围<br>Temperature range | 允许压差<br>Allowable pressure difference |      |      |      |      |      |      |      |      |      |          |     |    |    |     |    |    |    |    |    |
|                                         |                  |                          |                           | 公称通径<br>Nominal diameter              |      |      |      |      |      |      |      |      |      |          |     |    |    |     |    |    |    |    |    |
|                                         |                  |                          |                           | 15/20/25                              |      |      |      | 32   |      | 40   |      | 50   |      | 65       |     | 80 |    | 100 |    |    |    |    |    |
|                                         |                  |                          |                           | 阀座直径 (mm)<br>Valve seat diameter (mm) |      |      |      |      |      |      |      |      |      |          |     |    |    |     |    |    |    |    |    |
|                                         |                  |                          |                           | 8                                     | 11   | 14   | 20   | 25   | 20   | 30   | 30   | 40   | 30   | 40       | 50  | 40 | 50 | 75  | 40 | 50 | 75 | 65 | 75 |
| Class 150~600、PN16~110                  | EIL04            | 金属阀座<br>Metal valve seat | P (常温)                    |                                       |      |      |      | 100  |      |      |      |      |      |          |     |    |    |     |    |    |    |    |    |
|                                         |                  |                          | P (Normal temperature)    | 100                                   | 100  | 100  | 100  |      | 100  | 100  | 100  | 100  | 100  | 100      | 100 | —  | —  | —   | —  | —  | —  | —  |    |
|                                         |                  |                          | EI (伸长型)                  |                                       |      |      |      |      |      |      |      |      |      |          |     |    |    |     |    |    |    |    |    |
|                                         |                  |                          | EI (Extension type)       | 83.3                                  | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3     | —   | —  | —  | —   | —  | —  | —  |    |    |



[illegible][illegible]

Chongqing Chuanyi control Valve Co., Ltd.,`

100kPa

| 公称压力<br>Nominal pressure        | 执行机构<br>Actuator | 阀座形式<br>Valve seat type  | 温度范围<br>Temperature range     | 允许压差<br>Allowable pressure difference |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---------------------------------|------------------|--------------------------|-------------------------------|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                 |                  |                          |                               | 公称通径<br>Nominal diameter              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                 |                  |                          |                               | 15/20/25                              |     |     |     | 32  |     | 40  |     | 50  |     | 65  |     | 80  |     | 100 |     |     |     |     |     |
|                                 |                  |                          |                               | 阀座直径 (mm)<br>Valve seat diameter (mm) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                 |                  |                          |                               | 8                                     | 11  | 14  | 20  | 25  | 20  | 30  | 30  | 40  | 40  | 50  | 40  | 50  | 65  | 40  | 50  | 75  | 50  | 75  | 100 |
| Class900<br>~1500、<br>PN150~260 | EIL04            | 金属阀座<br>Metal valve seat | P (常温)<br>/EI (伸长型)           | 260                                   | 260 | 260 | 235 | 219 | 219 | 202 | 202 | 169 | 169 | 136 | —   | —   | —   | —   | —   | —   | —   | —   |     |
|                                 | M8610+L8210      | 金属阀座<br>Metal valve seat | P (Normal temperature)<br>/EI | —                                     | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | 260 | 260 | 260 | 260 | 260 | 234 | 260 | 234 | 180 |

|                             |                  |                                       |                                           |                                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----------------------------|------------------|---------------------------------------|-------------------------------------------|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                             | EIL12            | 金属<br>阀座<br>Metal<br>valve<br>seat    | (Exten<br>sion<br>type)                   | —                                        | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | 260 | -   | 260 | 260 |     |
| 公称压力<br>Nominal<br>pressure | 执行机构<br>Actuator | 阀座<br>形式<br>Valv<br>e<br>seat<br>type | 温度<br>范围<br>Temp<br>eratur<br>e<br>range  | 允 许 压 差<br>Allowable pressure difference |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                             |                  |                                       |                                           | 公 称 通 径<br>Nominal diameter              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                             |                  |                                       |                                           | 15/20/25                                 |     |     |     | 32  | 40  | 50  | 65  |     |     | 80  |     |     | 100 |     |     |     |     |     |
|                             |                  |                                       |                                           | 阀 座 直 径 (mm)<br>Valve seat diameter (mm) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                             |                  |                                       |                                           | 8                                        | 11  | 14  | 22  | 28  | 28  | 35  | 28  | 35  | 40  | 50  | 32  | 40  | 65  | 32  | 40  | 65  | 40  | 65  |
| Class250<br>0、PN420         | EIL04            | 金属<br>阀座<br>Metal<br>valve<br>seat    | P（常<br>温）<br>/EI（伸<br>长型）                 | 275                                      | 265 | 255 | 228 | 209 | 209 | 185 | 209 | 185 | 169 | 136 | —   | —   | —   | —   | —   | —   | —   |     |
|                             | M8610+L8<br>210  | 金属<br>阀座<br>Metal<br>valve<br>seat    | P<br>（Norm<br>al<br>tempe                 | 420                                      | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 328 | 310 | 256 | 328 | 310 | 256 | 310 | 256 | 201 |
|                             | EIL12            | 金属<br>阀座<br>Metal<br>valve<br>seat    | rature）<br>/EI<br>（Exten<br>sion<br>type） | —                                        | —   | —   | —   | —   | —   | —   | —   | —   | —   | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 |

| 公称压力<br>Nominal pressure    | 执行机构<br>Actuator     | 阀座形式<br>Valve seat<br>type  | 温度范围<br>Temperature<br>range                         | 公 称 通 径<br>Nominal diameter              |     |     |     |     |     |     |     |     |     |     |
|-----------------------------|----------------------|-----------------------------|------------------------------------------------------|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                             |                      |                             |                                                      | 125                                      |     |     | 150 |     |     | 200 |     |     |     |     |
|                             |                      |                             |                                                      | 阀 座 直 径 (mm)<br>Valve seat diameter (mm) |     |     |     |     |     |     |     |     |     |     |
|                             |                      |                             |                                                      | 100                                      | 130 | 150 | 90  | 100 | 130 | 150 | 115 | 130 | 160 | 190 |
| Class900~1500、<br>PN150~260 | EIL12                | 金属阀座<br>Metal valve<br>seat | P (常温)<br>/EI (伸长型)                                  | 242                                      | 200 | 172 | 256 | 242 | 200 | 172 | —   | —   | —   | —   |
|                             | EIL20<br>M8620+L8220 | 金属阀座<br>Metal valve<br>seat | P (Normal<br>temperature)/<br>EI (Extension<br>type) | 260                                      | 260 | 260 | —   | 260 | 260 | 260 | 260 | 260 | 260 | 260 |
| 公称压力<br>Nominal pressure    | 执行机构<br>Actuator     | 阀座形式<br>Valve seat<br>type  | 温度范围<br>Temperature<br>range                         | 公 称 通 径<br>Nominal diameter              |     |     |     |     |     |     |     |     |     |     |
|                             |                      |                             |                                                      | 125                                      |     |     | 150 |     |     | 200 |     |     |     |     |
|                             |                      |                             |                                                      | 阀 座 直 径 (mm)<br>Valve seat diameter (mm) |     |     |     |     |     |     |     |     |     |     |
|                             |                      |                             |                                                      | 100                                      | 115 | 130 | 75  | 90  | 115 | 130 | 90  | 115 | 130 | 160 |
| Class2500、<br>PN420         | EIL12                | 金属阀座<br>Metal valve<br>seat | P (常温)<br>/EI (伸长型)                                  | 242                                      | 221 | 200 | 277 | 256 | 221 | 200 | —   | —   | —   | —   |

|  |                      |                             |                                                      |     |     |     |     |     |     |     |     |     |     |     |     |
|--|----------------------|-----------------------------|------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|  | EIL20<br>M8620+L8220 | 金属阀座<br>Metal valve<br>seat | P (Normal<br>temperature)/<br>EI (Extension<br>type) | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 413 |
|--|----------------------|-----------------------------|------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

注：1. 以上允许压差为阀全关时的允许压差。  
Note: 1. The above allowable pressure difference is the allowable pressure difference when the valve is fully closed.  
2. 黑线框内数字表示阀配用标准规格执行机构。  
2. The numbers in the black box indicate that the valve is equipped with a standard specification actuator.

表 5 尺寸  
Table 5 Dimensions

表 5-1-1 法兰距尺寸

Table 5-1-1 Flange Distance Dimensions

HKG-10000 Class150~Class600, PN16~PN110

mm

| 公称<br>通径<br>Nominal<br>diameter | A                                       |                                          |                                        |               |               |               |               |
|---------------------------------|-----------------------------------------|------------------------------------------|----------------------------------------|---------------|---------------|---------------|---------------|
|                                 | Class150 RF<br>JIS 10K FF RF<br>PN16 RF | Class300 RF<br>JIS 20、30K RF<br>PN40 MFM | Class 600 RF<br>JIS 40K RF<br>PN63 MFM | JIS 16K<br>TG | JIS 20K<br>TG | JIS 30K<br>TG | JIS 40K<br>TG |
| 25                              | 184                                     | 197                                      | 210                                    | —             | 198           | 212           | —             |
| 32                              | 190                                     | 205                                      | 210                                    | —             | —             | —             | —             |
| 40                              | 222                                     | 235                                      | 251                                    | 235           | 236           | 248           | 251           |
| 50                              | 254                                     | 267                                      | 286                                    | 265           | 267           | 276           | 286           |
| 65                              | 276                                     | 292                                      | 311                                    | 290           | 292           | 303           | 311           |
| 80                              | 298                                     | 317                                      | 337                                    | 310           | 317           | 326           | 337           |
| 100                             | 352                                     | 368                                      | 394                                    | 360           | 368           | 379           | 394           |
| 125                             | 403                                     | 425                                      | 457                                    | —             | 425           | —             | 457           |
| 150                             | 451                                     | 473                                      | 508                                    | 475           | 473           | 486           | 508           |
| 200                             | 543                                     | 568                                      | 610                                    | 570           | 568           | 580           | 610           |
| 250                             | 673                                     | 708                                      | 752                                    | —             | —             | —             | —             |
| 300                             | 737                                     | 775                                      | 819                                    | —             | —             | —             | —             |
| 350                             | 889                                     | 927                                      | 972                                    | —             | —             | —             | —             |
| 400                             | 1016                                    | 1057                                     | 1108                                   | —             | —             | —             | —             |

mm

| 公称<br>通径<br>Nominal<br>diameter | A               |                 |                 |                 |                 |                          |
|---------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------------|
|                                 | Class 150<br>RJ | Class 300<br>RJ | Class 600<br>RJ | Class 300<br>TG | Class 600<br>TG | Class 300、 600<br>SW、 BW |
| 25                              | 197             | 210             | 210             | 206             | —               | 210                      |
| 32                              | 235             | 248             | 251             | 244             | 248             | 251                      |
| 40                              | 235             | 248             | 251             | 244             | 248             | 251                      |
| 50                              | 267             | 283             | 289             | 276             | 283             | 286                      |
| 65                              | 289             | 308             | 314             | 302             | 308             | 311                      |
| 80                              | 311             | 333             | 340             | 327             | 333             | 337                      |
| 100                             | 365             | 384             | 397             | 378             | 391             | 394                      |

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| 150 | 464 | 489 | 511 | 483 | 505 | 508 |
| 200 | 556 | 584 | 613 | 578 | 606 | 610 |

**HKG-10000 Class900~Class2500, PN150~PN420**

mm

| 公称<br>通径<br>Nominal<br>diameter | A         |             |           |             |           |             |           |
|---------------------------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
|                                 | JIS63K    | Class 900   |           | Class 1500  |           | Class 2500  |           |
|                                 | RF        | RF (SW, BW) | RJ        | RF (SW, BW) | RJ        | RF (SW, BW) | RJ        |
| 25                              | 320 (245) | 320 (245)   | 320 (245) | 320 (245)   | 320 (245) | 350 (245)   | 350 (249) |
| 32                              | 323       | 333         | 333       | 333         | 333       | 358         | 361       |
| 40                              | 323       | 333         | 333       | 333         | 333       | 358         | 361       |
| 50                              | 354       | 375         | 378       | 375         | 378       | 400         | 403       |
| 80                              | 431       | 440         | 443       | 460         | 463       | 498         | 504       |
| 100                             | 496       | 510         | 513       | 530         | 533       | 575         | 585       |
| 150                             | 699       | 715         | 718       | 770         | 776       | 820         | 833       |
| 200                             | 895       | 915         | 918       | 972         | 982       | 1020        | 1036      |
| 250                             | —         | 1137        | 1140      | 1327        | 1336      | —           | —         |
| 300                             | —         | 1311        | 1314      | 1400        | 1416      | —           | —         |
| 350                             | —         | —           | —         | 1526        | 1526      | —           | —         |
| 400                             | —         | 1520        | 1520      | —           | —         | —           | —         |

**HKG-10100 Class150~Class600, PN16~PN110**

mm

| 公称<br>通径<br>Nominal<br>diameter | A                                         |                                        |               |               |               |
|---------------------------------|-------------------------------------------|----------------------------------------|---------------|---------------|---------------|
|                                 | Class 300 RF<br>JIS 20、30K RF<br>PN40 MFM | Class 600 RF<br>JIS 40K RF<br>PN63 MFM | JIS 20K<br>TG | JIS 30K<br>TG | JIS 40K<br>TG |
| 25                              | 98.5                                      | 105                                    | 198           | 212           | —             |
| 32                              | 118                                       | 133                                    | —             | —             | —             |
| 40                              | 118                                       | 133                                    | 236           | 248           | 251           |
| 50                              | 134                                       | 150                                    | 267           | 276           | 286           |
| 65                              | 146                                       | 165                                    | 292           | 303           | 311           |
| 80                              | 159                                       | 169                                    | 317           | 326           | 337           |
| 100                             | 184                                       | 206                                    | 368           | 379           | 394           |
| 150                             | 237                                       | 267                                    | 473           | 486           | 508           |
| 200                             | 284                                       | 305                                    | 568           | 580           | 610           |

mm

| 公称<br>通径<br>Nominal<br>diameter | A               |                 |                 |                 |                        |
|---------------------------------|-----------------|-----------------|-----------------|-----------------|------------------------|
|                                 | Class 300<br>RJ | Class 600<br>RJ | Class 300<br>TG | Class 600<br>TG | Class 300、600<br>SW、BW |
| 25                              | 98.5            | 105             | 206             | —               | 210                    |
| 32                              | 118             | 126             | 244             | 248             | 251                    |
| 40                              | 118             | 126             | 244             | 248             | 251                    |
| 50                              | 134             | 143             | 276             | 283             | 286                    |

|     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| 65  | 146 | 156 | 302 | 308 | 311 |
| 80  | 159 | 169 | 327 | 333 | 337 |
| 100 | 184 | 197 | 378 | 391 | 394 |
| 150 | 237 | 254 | 483 | 505 | 508 |
| 200 | 284 | 305 | 578 | 606 | 610 |

HKG-10100    Class900~Class2500，PN150~PN420mm

| 公称<br>通径<br>Nominal<br>diameter | A/A1   |             |       |             |       |             |       |
|---------------------------------|--------|-------------|-------|-------------|-------|-------------|-------|
|                                 | JIS63K | Class900    |       | Class 1500  |       | Class 2500  |       |
|                                 | RF     | RF (SW, BW) | RJ    | RF (SW, BW) | RJ    | RF (SW, BW) | RJ    |
| 40                              | 161.5  | 166.5       | 166.5 | 166.5       | 166.5 | 179         | 180.5 |
| 50                              | 177    | 187.5       | 189   | 188         | 189   | 225         | 225   |
| 80                              | 215.5  | 220         | 220   | 230         | 230   | 270         | 270   |
| 100                             | 248    | 255         | 256.5 | 265         | 266.5 | 287.5       | 292.5 |
| 150                             | 349.5  | 357.5       | 359   | 385         | 388   | 410         | 416.5 |
| 200                             | 447.5  | 457.5       | 459   | 486         | 491   | 510         | 518   |

注：法兰距符合 IEC 60534－3 标准。

Note: The flange distance complies with standard IEC 60534-3.

表 5-1-2 侧面最大尺寸

Table 5-1-2 Maximum Side Dimensions

HKG-10000    Class150~Class600，PN16~PN110mm

| 公称通径<br>Nominal<br>diameter | C    |      |      |          |          |          |
|-----------------------------|------|------|------|----------|----------|----------|
|                             | PN16 | PN40 | PN64 | Class150 | Class300 | Class600 |
| 25                          | 115  | 115  | 140  | 105      | 125      | 125      |
| 32                          | 147  | 149  | 152  | 147      | 149      | 152      |
| 40                          | 150  | 150  | 170  | 150      | 150      | 170      |
| 50                          | 177  | 180  | 184  | 177      | 180      | 184      |
| 65                          | 198  | 202  | 206  | 198      | 202      | 206      |
| 80                          | 209  | 214  | 218  | 209      | 214      | 218      |
| 100                         | 249  | 256  | 262  | 249      | 256      | 275      |
| 125                         | 301  | 306  | 316  | 301      | 312      | 330      |
| 150                         | 351  | 358  | 370  | 351      | 358      | 370      |
| 200                         | 434  | 450  | 458  | 434      | 450      | 468      |
| 250                         | 560  | 568  | 574  | 560      | 568      | 580      |
| 300                         | 575  | 583  | 589  | 575      | 583      | 597      |
| 350                         | 706  | 716  | 722  | 706      | 716      | 740      |
| 400                         | 781  | 798  | 811  | 781      | 798      | 827      |

HKG-10000    Class900~Class2500，PN150~PN420mm

| 公称通径<br>Nominal<br>diameter | C        |           |           |
|-----------------------------|----------|-----------|-----------|
|                             | Class900 | Class1500 | Class2500 |
| 25                          | 135      | 135       | 176       |
| 32                          | 180      | 180       | 205       |
| 40                          | 180      | 180       | 205       |
| 50                          | 215      | 215       | 235       |

|     |     |     |     |
|-----|-----|-----|-----|
| 80  | 240 | 265 | 305 |
| 100 | 290 | 310 | 355 |
| 150 | 380 | 395 | 485 |
| 200 | 470 | 498 | 550 |

**HKG-10100 Class150~Class600, PN16~PN110**

mm

| 公称通径<br>Nominal<br>diameter | C    |      |      |          |          |          |
|-----------------------------|------|------|------|----------|----------|----------|
|                             | PN16 | PN40 | PN64 | Class150 | Class300 | Class600 |
| 40                          | 155  | 160  | 180  | 155      | 160      | 180      |
| 50                          | 175  | 175  | 190  | 175      | 175      | 190      |
| 65                          | 190  | 198  | 208  | 190      | 198      | 208      |
| 80                          | 210  | 220  | 225  | 210      | 220      | 225      |
| 100                         | 235  | 264  | 283  | 235      | 264      | 283      |
| 150                         | 295  | 330  | 366  | 295      | 330      | 366      |
| 200                         | 350  | 391  | 429  | 350      | 391      | 429      |

**HKG-10100 Class900~Class2500, PN150~PN420**

mm

| 公称通径<br>Nominal<br>diameter | C        |           |           |
|-----------------------------|----------|-----------|-----------|
|                             | Class900 | Class1500 | Class2500 |
| 40                          | 180      | 180       | 205       |
| 50                          | 215      | 215       | 235       |
| 80                          | 240      | 265       | 305       |
| 100                         | 290      | 310       | 355       |
| 150                         | 380      | 395       | 485       |
| 200                         | 470      | 485       | 550       |

表 5-2 外形尺寸

Table 5-2 Overall Dimensions

表 5-2-1 外形尺寸

Table 5-2-1 Overall Dimensions

**HKG-10000 Class150~Class600, PN16~PN110**

mm

| 公称<br>通径<br>Nominal<br>diameter | 执行机构<br>Actuator | H                                           |                                      |                                          | B   | B1 | B2  | B3 | B4 | H1 |
|---------------------------------|------------------|---------------------------------------------|--------------------------------------|------------------------------------------|-----|----|-----|----|----|----|
|                                 |                  | 常温型(P)<br>Normal<br>Temperature<br>Type (P) | 伸长I型(EI)<br>Extension Type I<br>(EI) | 伸长II型(EII)<br>Extension Type II<br>(EII) |     |    |     |    |    |    |
| 25                              | HA21D8、R8        | 545                                         | 590                                  | 985                                      | 281 | —  | —   | —  | —  | 40 |
|                                 | HA31D8、R8        | 620                                         | 660                                  | 1055                                     | 363 | —  | —   | —  | —  |    |
|                                 | EIL04            | 760                                         | 805                                  | 1200                                     | 267 | —  | 258 | —  | —  |    |
| 32                              | HA21D8、R8        | 575                                         | 745                                  | 850                                      | 281 | —  | —   | —  | —  | 70 |
|                                 | HA31D8、R8        | 700                                         | 870                                  | 1015                                     | 363 | —  | —   | —  | —  |    |
|                                 | EIL04            | 790                                         | 960                                  | 1065                                     | 267 | —  | 258 | —  | —  |    |
| 40                              | HA21D8、R8        | 575                                         | 745                                  | 850                                      | 281 | —  | —   | —  | —  | 70 |
|                                 | HA31D8、R8        | 700                                         | 870                                  | 1015                                     | 363 | —  | —   | —  | —  |    |
|                                 | EIL04            | 790                                         | 960                                  | 1065                                     | 267 | —  | 258 | —  | —  |    |
| 50                              | HA21D8、R8        | 575                                         | 745                                  | 855                                      | 281 | —  | —   | —  | —  | 80 |
|                                 | HA31D8、R8        | 700                                         | 870                                  | 980                                      | 363 | —  | —   | —  | —  |    |
|                                 | EIL04            | 790                                         | 960                                  | 1070                                     | 267 | —  | 258 | —  | —  |    |

|     |             |      |      |      |     |     |     |     |     |     |
|-----|-------------|------|------|------|-----|-----|-----|-----|-----|-----|
| 65  | HA41D8、R8   | 920  | 1100 | 1215 | 520 | —   | —   | —   | —   | 88  |
|     | EIL08       | 925  | 1105 | 1225 | 229 | —   | 338 | —   | —   |     |
|     | M8610+L8210 | 975  | 1155 | 1275 | —   | 285 | 346 | 253 | 350 |     |
| 80  | HA41D8、R8   | 925  | 1115 | 1240 | 520 | —   | —   | —   | —   | 98  |
|     | EIL08       | 930  | 1110 | 1230 | 229 | —   | 338 | —   | —   |     |
|     | M8610+L8210 | 985  | 1170 | 1305 | —   | 285 | 346 | 253 | 350 |     |
| 100 | HA41D8、R8   | 945  | 1165 | 1305 | 520 | —   | —   | —   | —   | 113 |
|     | HV41D00     | 1180 | 1400 | 1545 | 334 | —   | —   | —   | —   |     |
|     | EIL08       | 960  | 1170 | 1295 | 229 | —   | 338 | —   | —   |     |
|     | M8610+L8210 | 1010 | 1220 | 1245 | —   | 285 | 346 | 253 | 350 |     |
| 125 | HA41D8、R8   | 1010 | 1270 | 1485 | 520 | —   | —   | —   | —   | 146 |
|     | HA42D8、R8   | 1575 | 1835 | 2050 | 470 | —   | —   | —   | —   |     |
|     | HV41D00     | 1190 | 1450 | 1665 | 334 | —   | —   | —   | —   |     |
|     | EIL12       | 1050 | 1310 | 1515 | 229 | —   | 338 | —   | —   |     |
| 150 | HA41D8、R8   | 1010 | 1270 | 1485 | 520 | —   | —   | —   | —   | 170 |
|     | HA42D8、R8   | 1575 | 1835 | 2050 | 470 | —   | —   | —   | —   |     |
|     | HV41D00     | 1190 | 1450 | 1665 | 334 | —   | —   | —   | —   |     |
|     | EIL12       | 1050 | 1310 | 1515 | 229 | —   | 338 | —   | —   |     |
| 200 | HA42D8、R8   | 1715 | 1975 | 2220 | 470 | —   | —   | —   | —   | 220 |
|     | HA51D8、R8   | 1380 | 1640 | 1885 | 605 | —   | —   | —   | —   |     |
|     | HV51D00     | 1420 | 1685 | 2050 | 382 | —   | —   | —   | —   |     |
|     | EIL20       | 1290 | 1550 | 1800 | 258 | —   | 356 | —   | —   |     |
|     | M8620+L8220 | 1570 | 1835 | 2205 | —   | 313 | 350 | 253 | 350 |     |
| 250 | HA51D8、R8   | 1395 | 1660 | —    | 605 | —   | —   | —   | —   | 305 |
|     | HV51D00     | 1355 | 1620 | —    | 382 | —   | —   | —   | —   |     |
|     | HV61D00     | 1470 | 1735 | —    | 480 | —   | —   | —   | —   |     |
|     | EIL25       | 1540 | 1805 | —    | 258 | —   | 356 | —   | —   |     |
|     | M8620+L8230 | 1865 | 2470 | —    | —   | 313 | 350 | 253 | 350 |     |
| 300 | HA51D8、R8   | 1400 | 1655 | —    | 605 | —   | —   | —   | —   | 345 |
|     | HV51D00     | 1355 | 1620 | —    | 382 | —   | —   | —   | —   |     |
|     | HV61D00     | 1470 | 1735 | —    | 480 | —   | —   | —   | —   |     |
|     | EIL25       | 1535 | 1780 | —    | 258 | —   | 356 | —   | —   |     |
|     | M8620+L8230 | 1505 | 1845 | —    | —   | 313 | 350 | 253 | 350 |     |
| 350 | HV61D00     | 1565 | 1850 | —    | 480 | —   | —   | —   | —   | 385 |
|     | HV71D00     | 1565 | 1850 | —    | 580 | —   | —   | —   | —   |     |
|     | M8630+L8240 | 1540 | 1880 | —    | —   | 375 | 455 | 266 | 350 |     |

| HKG-10000    Class900~Class2500, PN150~PN420 |                  |                                                     |                                             |                                                 |                                      |                                                     |                                      |              |               |               | mm  |    |    |    |    |
|----------------------------------------------|------------------|-----------------------------------------------------|---------------------------------------------|-------------------------------------------------|--------------------------------------|-----------------------------------------------------|--------------------------------------|--------------|---------------|---------------|-----|----|----|----|----|
| 公称<br>口径<br>Nomina<br>l<br>diamete<br>r      | 执行机构<br>Actuator | H                                                   |                                             |                                                 |                                      |                                                     |                                      | H1           |               |               | B   | B1 | B2 | B3 | B4 |
|                                              |                  | Class 900<br>JIS 63K                                |                                             | Class 1500                                      |                                      | Class 2500                                          |                                      | Class<br>900 | Class<br>1500 | Class<br>2500 |     |    |    |    |    |
|                                              |                  | 常温型<br>(P)<br>Normal<br>Temper<br>ature<br>Type (P) | 伸长I型<br>(EI)<br>Extension<br>Type I<br>(EI) | 常温型(P)<br>Normal<br>Temperat<br>ure Type<br>(P) | 伸长I型(EI)<br>Extension<br>Type I (EI) | 常温型<br>(P)<br>Normal<br>Temper<br>ature<br>Type (P) | 伸长I型(EI)<br>Extension<br>Type I (EI) |              |               |               |     |    |    |    |    |
|                                              |                  |                                                     |                                             |                                                 |                                      |                                                     |                                      |              |               |               |     |    |    |    |    |
| 25                                           | HA31D8、R8        | 810                                                 | 945                                         | 810                                             | 945                                  | 840                                                 | 960                                  | 62           | 62            | 62            | 363 | —  | —  | —  | —  |
|                                              | HA41D8、R8        | 975                                                 | 1105                                        | 975                                             | 1105                                 | 1005                                                | 1125                                 |              |               |               | 520 | —  | —  | —  | —  |



重庆川仪调节阀有限公司  
Chongqing Chuanyi control Valve Co., Ltd.,

|     |             |      |      |      |      |      |      |     |     |     |     |     |     |     |     |
|-----|-------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
|     | EIL04       | 915  | 1045 | 915  | 1045 | 945  | 1065 |     |     |     | 267 | —   | 258 | —   | —   |
| 32  | HA31D8、R8   | 835  | 975  | 835  | 975  | 880  | 1025 | 100 | 105 | 115 | 363 | —   | —   | —   | —   |
|     | HA41D8、R8   | 995  | 1135 | 995  | 1135 | 1040 | 1185 |     |     |     | 520 | —   | —   | —   | —   |
|     | EIL08       | 1010 | 1150 | 1010 | 1150 | 1055 | 1200 |     |     |     | 229 | —   | 338 | —   | —   |
|     | M8610+L8210 | 1155 | 1295 | 1155 | 1295 | 1200 | 1345 |     |     |     | —   | 313 | 350 | 253 | 350 |
| 40  | HA31D8、R8   | 835  | 975  | 835  | 975  | 880  | 1025 | 100 | 105 | 115 | 363 | —   | —   | —   | —   |
|     | HA41D8、R8   | 995  | 1135 | 995  | 1135 | 1040 | 1185 |     |     |     | 520 | —   | —   | —   | —   |
|     | EIL08       | 1010 | 1150 | 1010 | 1150 | 1055 | 1200 |     |     |     | 229 | —   | 338 | —   | —   |
|     | M8610+L8210 | 1155 | 1295 | 1155 | 1295 | 1200 | 1345 |     |     |     | —   | 313 | 350 | 253 | 350 |
| 50  | HA31D8、R8   | 865  | 1025 | 865  | 1025 | 900  | 1060 | 110 | 120 | 130 | 363 | —   | —   | —   | —   |
|     | HA41D8、R8   | 1030 | 1190 | 1030 | 1190 | 1065 | 1225 |     |     |     | 520 | —   | —   | —   | —   |
|     | EIL08       | 1040 | 1205 | 1040 | 1205 | 1080 | 1240 |     |     |     | 229 | —   | 338 | —   | —   |
|     | M8610+L8210 | 1195 | 1360 | 1195 | 1360 | 1235 | 1390 |     |     |     | —   | 313 | 350 | 253 | 350 |
| 80  | HA31D8、R8   | 900  | 1080 | 900  | 1080 | 935  | 1105 | 140 | 150 | 160 | 363 | —   | —   | —   | —   |
|     | HA41D8、R8   | 1070 | 1250 | 1070 | 1250 | 1105 | 1275 |     |     |     | 520 | —   | —   | —   | —   |
|     | EIL20       | 1445 | 1625 | 1445 | 1625 | 1480 | 1650 |     |     |     | 229 | —   | 338 | —   | —   |
|     | M8620+L8220 | 1230 | 1410 | 1230 | 1410 | 1265 | 1435 |     |     |     | —   | 313 | 350 | 253 | 350 |
| 100 | HA31D8、R8   | 935  | 1115 | 935  | 1115 | 985  | 1155 | 160 | 170 | 180 | 363 | —   | —   | —   | —   |
|     | HA41D8、R8   | 1100 | 1280 | 1100 | 1280 | 1145 | 1315 |     |     |     | 520 | —   | —   | —   | —   |
|     | HV61SR5     | 1345 | 1525 | 1345 | 1525 | 1385 | 1560 |     |     |     | 475 | —   | —   | —   | —   |
|     | EIL20       | 1480 | 1660 | 1480 | 1660 | 1520 | 1690 |     |     |     | 258 | —   | 356 | —   | —   |
|     | M8620+L8220 | 1265 | 1445 | 1265 | 1445 | 1305 | 1480 |     |     |     | —   | 313 | 350 | 253 | 350 |
| 150 | HA31D8、R8   | 995  | 1175 | 995  | 1175 | 1035 | 1210 | 210 | 225 | 260 | 363 | —   | —   | —   | —   |
|     | HA41D8、R8   | 1155 | 1335 | 1155 | 1335 | 1195 | 1370 |     |     |     | 520 | —   | —   | —   | —   |
|     | HV61SR5     | 1930 | 2010 | 1830 | 2010 | 1870 | 2050 |     |     |     | 475 | —   | —   | —   | —   |
|     | HV51D00     | 1355 | 1535 | 1355 | 1535 | 1395 | 1570 |     |     |     | 382 | —   | —   | —   | —   |
|     | EIL20       | 1315 | 1495 | 1315 | 1495 | 1355 | 1530 |     |     |     | 258 | —   | 356 | —   | —   |
|     | M8620+L8220 | 1395 | 1575 | 1395 | 1575 | 1435 | 1610 |     |     |     | —   | 313 | 350 | 253 | 350 |
| 200 | HA41D8、R8   | 1280 | 1460 | 1280 | 1460 | 1335 | 1515 | 320 | 335 | 330 | 520 | —   | —   | —   | —   |
|     | HA51D8、R8   | 1605 | 1780 | 1605 | 1780 | 1655 | 1835 |     |     |     | 605 | —   | —   | —   | —   |
|     | HV61D00     | 1585 | 1765 | 1585 | 1765 | 1640 | 1820 |     |     |     | 445 | —   | —   | —   | —   |
|     | EIL25       | 1655 | 1835 | 1655 | 1835 | 1710 | 1890 |     |     |     | 258 | —   | 356 | —   | —   |
|     | M8620+L8230 | 1625 | 1805 | 1625 | 1805 | 1680 | 1860 |     |     |     | —   | 313 | 350 | 253 | 350 |
| 250 | HA51D8、R8   | 1780 | 1825 | 1575 | 1825 | —    | —    | 338 | 380 | —   | 605 | —   | —   | —   | —   |
|     | HV71D00     | 1720 | 1840 | 1590 | 1840 | —    | —    |     |     |     | 580 | —   | —   | —   | —   |
|     | EIL25       | 1655 | 1680 | 1430 | 1680 | —    | —    |     |     |     | 258 | —   | 356 | —   | —   |
|     | M8620+L8230 | 1700 | 1870 | 1620 | 1870 | —    | —    |     |     |     | —   | 313 | 350 | 253 | 350 |
| 300 | HA51D8、R8   | 1760 | 1830 | 1580 | 1830 | —    | —    | 407 | 380 | —   | 605 | —   | —   | —   | —   |
|     | HV71D00     | 1720 | 1830 | 1580 | 1830 | —    | —    |     |     |     | 580 | —   | —   | —   | —   |
|     | EIL25       | 1655 | 1660 | 1410 | 1660 | —    | —    |     |     |     | 258 | —   | 356 | —   | —   |
|     | M8620+L8230 | 1695 | 1860 | 1610 | 1860 | —    | —    |     |     |     | —   | 313 | 350 | 253 | 350 |
| 350 | HV81D00     | 2040 | 2290 | 2165 | 2290 | —    | —    | 550 | 545 | —   | 705 | —   | —   | —   | —   |
|     | M8630+L8240 | 1995 | 2245 | 1995 | 2245 | —    | —    |     |     |     | —   | 313 | 350 | 253 | 350 |
| 400 | HV81D00     | 1920 | 2170 | 1920 | 2170 | —    | —    | 520 | 520 | —   | 705 | —   | —   | —   | —   |
|     | M8630+L8240 | 1900 | 2150 | 1900 | 2150 | —    | —    |     |     |     | —   | 313 | 350 | 253 | 350 |

HKG-10100 Class150~Class600, PN16~PN110

mm

| 公称<br>通径<br>Nominal<br>diameter | 执行机构<br>Actuator | H                                           |                                   |                                       | B   | B1  | B2  | B3  | B4  |
|---------------------------------|------------------|---------------------------------------------|-----------------------------------|---------------------------------------|-----|-----|-----|-----|-----|
|                                 |                  | 常温型(P)<br>Normal<br>Temperature<br>Type (P) | 伸长I型(EI)<br>Extension Type I (EI) | 伸长II型(EII)<br>Extension Type II (EII) |     |     |     |     |     |
| 40                              | HA21D8、R8        | 555                                         | 725                               | 835                                   | 281 | —   | —   | —   | —   |
|                                 | HA31D8、R8        | 680                                         | 850                               | 1000                                  | 363 | —   | —   | —   | —   |
|                                 | EIL04            | 770                                         | 940                               | 1050                                  | 172 |     | 258 |     |     |
| 50                              | HA21D8、R8        | 550                                         | 720                               | 830                                   | 281 | —   | —   | —   | —   |
|                                 | HA31D8、R8        | 675                                         | 845                               | 955                                   | 363 | —   | —   | —   | —   |
|                                 | EIL04            | 765                                         | 940                               | 1045                                  | 172 |     | 258 |     |     |
| 65                              | HA21D8、R8        | 625                                         | 795/805                           | 930                                   | 281 | —   | —   | —   | —   |
|                                 | HA31D8、R8        | 705                                         | 885/895                           | 1005                                  | 363 | —   | —   | —   | —   |
|                                 | HA41D8、R8        | 890                                         | 1070/1080                         | 1185                                  | 520 | —   | —   | —   | —   |
|                                 | EIL08            | 890                                         | 1070                              | 1195                                  | 229 | —   | 338 |     |     |
|                                 | M8610+L8210      | 945                                         | 1125                              | 1245                                  | —   | 285 | 346 | 353 | 230 |
| 80                              | HA21D8、R8        | 660                                         | 835/845                           | 980                                   | 281 | —   | —   | —   | —   |
|                                 | HA31D8、R8        | 715                                         | 900/910                           | 1035                                  | 363 | —   | —   | —   | —   |
|                                 | HA41D8、R8        | 900                                         | 1085/1095                         | 1215                                  | 520 | —   | —   | —   | —   |
|                                 | EIL08            | 905                                         | 1085                              | 1205                                  | 229 | —   | 338 |     |     |
|                                 | M8610+L8210      | 955                                         | 1140                              | 1275                                  | —   | 285 | 346 | 253 | 230 |
| 100                             | HA21D8、R8        | 700                                         | 900/970                           | 1040                                  | 281 | —   | —   | —   | —   |
|                                 | HA31D8、R8        | 755                                         | 965/1005                          | 1090                                  | 363 | —   | —   | —   | —   |
|                                 | HA41D8、R8        | 930                                         | 1150/1160                         | 1290                                  | 520 | —   | —   | —   | —   |
|                                 | HV61SR5          | 1470                                        | 1690                              | 1830                                  | 480 | —   | —   | —   | —   |
|                                 | HV51D00          | 1175                                        | 1395                              | 1535                                  | 382 | —   | —   | —   | —   |
|                                 | EIL08            | 940                                         | 1150                              | 1275                                  | 229 | —   | 338 | —   | —   |
|                                 | M8610+L8210      | 995                                         | 1205                              | 1330                                  | —   | 285 | 346 | 253 | 230 |
| 125                             | HA31D8、R8        | 825                                         | 1085/1105                         | 1285                                  | 363 | —   | —   | —   | —   |
|                                 | HA41D8、R8        | 995                                         | 1255/1290                         | 1465                                  | 520 | —   | —   | —   | —   |
|                                 | HV61SR5          | 1535                                        | 1795                              | 2010                                  | 480 | —   | —   | —   | —   |
|                                 | HV51D00          | 1240                                        | 1500                              | 1715                                  | 382 | —   | —   | —   | —   |
|                                 | HV61D00          | 1355                                        | 1615                              | 1830                                  | 480 | —   | —   | —   | —   |
|                                 | HV71D00          | 1355                                        | 1615                              | 1830                                  | 580 | —   | —   | —   | —   |
|                                 | EIL08            | 1035                                        | 1295                              | 1495                                  | 229 | —   | 338 | —   | —   |
|                                 | M8620+L8220      | 1155                                        | 1415                              | 1630                                  | —   | 313 | 350 | 253 | 230 |
| 150                             | HA31D8、R8        | 825                                         | 1085/1105                         | 1285                                  | 363 | —   | —   | —   | —   |
|                                 | HA41D8、R8        | 995                                         | 1255/1290                         | 1465                                  | 520 | —   | —   | —   | —   |
|                                 | HV61SR5          | 1535                                        | 1795                              | 2010                                  | 480 | —   | —   | —   | —   |
|                                 | HV51D00          | 1240                                        | 1500                              | 1715                                  | 382 | —   | —   | —   | —   |
|                                 | HV61D00          | 1355                                        | 1615                              | 1830                                  | 480 | —   | —   | —   | —   |
|                                 | HV71D00          | 1355                                        | 1615                              | 1830                                  | 580 | —   | —   | —   | —   |
|                                 | EIL08            | 1035                                        | 1295                              | 1495                                  | 229 | —   | 338 | —   | —   |
|                                 | M8620+L8220      | 1155                                        | 1415                              | 1630                                  | —   | 313 | 350 | 253 | 230 |
| 200                             | HA41D8、R8        | 1135                                        | 1395                              | 1640                                  | 520 | —   | —   | —   | —   |
|                                 | HV51D00          | 1405                                        | 1670                              | 2035                                  | 382 | —   | —   | —   | —   |
|                                 | HV61D00          | 1515                                        | 1780                              | 2150                                  | 480 | —   | —   | —   | —   |
|                                 | HV71D00          | 1515                                        | 1780                              | 2150                                  | 580 | —   | —   | —   | —   |
|                                 | M8620+L8230      | 1485                                        | 1745                              | 1990                                  | —   | 313 | 350 | 253 | 230 |

HKG-10100 Class900~Class2500, PN150~PN420

mm

| 公称<br>通径<br>Nominal<br>diameter | 执行机构<br>Actuator | H                                               |                                          |                                             |                                          |                                             |                                          | C/B/B | B1  | B2  | B3  | B4  |
|---------------------------------|------------------|-------------------------------------------------|------------------------------------------|---------------------------------------------|------------------------------------------|---------------------------------------------|------------------------------------------|-------|-----|-----|-----|-----|
|                                 |                  | Class 900<br>JIS 63K                            |                                          | Class 1500                                  |                                          | Class 2500                                  |                                          |       |     |     |     |     |
|                                 |                  | 常温型<br>(P)<br>Normal<br>Temperature<br>Type (P) | 伸长I<br>型(EI)<br>Extension<br>Type I (EI) | 常温型(P)<br>Normal<br>Temperature<br>Type (P) | 伸长I型<br>(EI)<br>Extension<br>Type I (EI) | 常温型(P)<br>Normal<br>Temperature<br>Type (P) | 伸长I型<br>(EI)<br>Extension<br>Type I (EI) |       |     |     |     |     |
| 40                              | HA31D8、R8        | 860                                             | 1000                                     | 860                                         | 1000                                     | 905                                         | 1050                                     | 363   | —   | —   | —   | —   |
|                                 | HA41D8、R8        | 995                                             | 1135                                     | 995                                         | 1135                                     | 1040                                        | 1185                                     | 520   | —   | —   | —   | —   |
|                                 | EIL08            | 1010                                            | 1150                                     | 1010                                        | 1150                                     | 1055                                        | 1200                                     | 229   | —   | 338 | —   | —   |
|                                 | M8610+L82<br>10  | 1080                                            | 1220                                     | 1080                                        | 1220                                     | 1125                                        | 1270                                     | —     | 285 | 346 | 253 | 350 |
| 50                              | HA31D8、R8        | 890                                             | 1050                                     | 890                                         | 1050                                     | 920                                         | 1080                                     | 363   | —   | —   | —   | —   |
|                                 | HA41D8、R8        | 1030                                            | 1190                                     | 1030                                        | 1190                                     | 1065                                        | 1220                                     | 520   | —   | —   | —   | —   |
|                                 | EIL08            | 1040                                            | 1205                                     | 1040                                        | 1205                                     | 1075                                        | 1235                                     | 229   | —   | 338 | —   | —   |
|                                 | M8610+L82<br>10  | 1115                                            | 1280                                     | 1115                                        | 1280                                     | 1150                                        | 1310                                     | —     | 285 | 346 | 253 | 350 |
| 80                              | HA31D8、R8        | 925                                             | 1105                                     | 925                                         | 1105                                     | 960                                         | 1130                                     | 363   | —   | —   | —   | —   |
|                                 | HA41D8、R8        | 1070                                            | 1250                                     | 1070                                        | 1250                                     | 1105                                        | 1275                                     | 520   | —   | —   | —   | —   |
|                                 | EIL20            | 1450                                            | 1630                                     | 1450                                        | 1630                                     | 1485                                        | 1655                                     | 258   | —   | 356 | —   | —   |
|                                 | M8620+L82<br>20  | 1230                                            | 1410                                     | 1230                                        | 1410                                     | 1265                                        | 1435                                     | —     | 313 | 350 | 253 | 230 |
| 100                             | HA31D8、R8        | 955                                             | 1135                                     | 955                                         | 1135                                     | 1005                                        | 1175                                     | 363   | —   | —   | —   | —   |
|                                 | HA41D8、R8        | 1100                                            | 1280                                     | 1100                                        | 1280                                     | 1145                                        | 1315                                     | 520   | —   | —   | —   | —   |
|                                 | HV61SR5          | 1590                                            | 1770                                     | 1590                                        | 1770                                     | 1635                                        | 1805                                     | 480   | —   | —   | —   | —   |
|                                 | EIL20            | 1480                                            | 1660                                     | 1480                                        | 1660                                     | 1520                                        | 1690                                     | 258   | —   | 356 | —   | —   |
|                                 | M8620+L82<br>20  | 1265                                            | 1442                                     | 1265                                        | 1442                                     | 1305                                        | 1475                                     | —     | 313 | 350 | 253 | 230 |
| 150                             | HA31D8、R8        | 1010                                            | 1190                                     | 1010                                        | 1190                                     | 1040                                        | 1220                                     | 363   | —   | —   | —   | —   |
|                                 | HA41D8、R8        | 1165                                            | 1345                                     | 1165                                        | 1345                                     | 1195                                        | 1375                                     | 520   | —   | —   | —   | —   |
|                                 | HV61SR5          | 1655                                            | 1835                                     | 1655                                        | 1835                                     | 1685                                        | 1865                                     | 480   | —   | —   | —   | —   |
|                                 | HV51D00          | 1360                                            | 1540                                     | 1360                                        | 1540                                     | 1390                                        | 1570                                     | 382   | —   | —   | —   | —   |
|                                 | EIL20            | 1540                                            | 1720                                     | 1540                                        | 1720                                     | 1570                                        | 1750                                     | 258   | —   | 356 | —   | —   |
|                                 | M8620+L82<br>20  | 1325                                            | 1505                                     | 1325                                        | 1505                                     | 1355                                        | 1535                                     | —     | 313 | 350 | 253 | 230 |
| 200                             | HA41D8、R8        | 1300                                            | 1480                                     | 1300                                        | 1480                                     | 1335                                        | 1515                                     | 520   | —   | —   | —   | —   |
|                                 | HA51D8、R8        | 1625                                            | 1805                                     | 1625                                        | 1805                                     | 1660                                        | 1840                                     | 605   | —   | —   | —   | —   |
|                                 | HV61D00          | 1605                                            | 1785                                     | 1605                                        | 1785                                     | 1640                                        | 1820                                     | 480   | —   | —   | —   | —   |
|                                 | EIL25            | 1675                                            | 1855                                     | 1675                                        | 1855                                     | 1710                                        | 1890                                     | 258   | —   | 356 | —   | —   |
|                                 | M8620+L82<br>30  | 1645                                            | 1825                                     | 1645                                        | 1825                                     | 1680                                        | 1860                                     | —     | 313 | 350 | 253 | 230 |

表 5-2-2 外形尺寸

Table 5-2-2 Overall Dimensions

HKG-10000 Class150~Class600, PN16~PN110

mm

| 公称<br>通径<br><br>Nominal<br>diameter | 执行机构<br>Actuator | H                                           |                                           |                                                      |                                             |                                                |                                                      | B2    | M    |
|-------------------------------------|------------------|---------------------------------------------|-------------------------------------------|------------------------------------------------------|---------------------------------------------|------------------------------------------------|------------------------------------------------------|-------|------|
|                                     |                  | 侧装手轮                                        |                                           |                                                      | 顶装手轮                                        |                                                |                                                      |       |      |
|                                     |                  | Side mounted handwheel                      |                                           |                                                      | Top mounted handwheel                       |                                                |                                                      |       |      |
|                                     |                  | 常温型(P)<br>Normal<br>Temperature<br>Type (P) | 伸长I型(EI)<br>Extension Type<br>I (EI)<br>I | 伸长II型(EII)<br>Extension Type<br>II (EII)<br>II (EII) | 常温型(P)<br>Normal<br>Temperature<br>Type (P) | 伸长I型(EI)<br>Extension Type<br>I (EI)<br>I (EI) | 伸长II型(EII)<br>Extension Type<br>II (EII)<br>II (EII) | —     | —    |
| 25                                  | HA21D8、R8        | 545                                         | 590                                       | 985                                                  | 805                                         | 850                                            | 1245                                                 | 273.5 | ¢175 |
|                                     | HA31D8、R8        | 620                                         | 660                                       | 1055                                                 | 910                                         | 950                                            | 1345                                                 | 278.5 | ¢175 |
| 32                                  | HA21D8、R8        | 575                                         | 745                                       | 850                                                  | 840                                         | 1005                                           | 1110                                                 | 273.5 | ¢175 |
|                                     | HA31D8、R8        | 700                                         | 870                                       | 1015                                                 | 990                                         | 1160                                           | 1305                                                 | 278.5 | ¢175 |
| 40                                  | HA21D8、R8        | 575                                         | 745                                       | 850                                                  | 840                                         | 1005                                           | 1110                                                 | 273.5 | ¢175 |
|                                     | HA31D8、R8        | 700                                         | 870                                       | 1015                                                 | 990                                         | 1160                                           | 1305                                                 | 278.5 | ¢175 |
| 50                                  | HA21D8、R8        | 575                                         | 745                                       | 855                                                  | 840                                         | 1005                                           | 1110                                                 | 273.5 | ¢175 |
|                                     | HA31D8、R8        | 700                                         | 870                                       | 980                                                  | 990                                         | 1160                                           | 1305                                                 | 278.5 | ¢175 |
| 65                                  | HA41D8、R8        | 920                                         | 1100                                      | 1215                                                 | 1320                                        | 1500                                           | 1615                                                 | 303   | ¢320 |
| 80                                  | HA41D8、R8        | 925                                         | 1115                                      | 1240                                                 | 1325                                        | 1515                                           | 1640                                                 | 303   | ¢320 |
| 100                                 | HA41D8、R8        | 945                                         | 1165                                      | 1305                                                 | 1345                                        | 1565                                           | 1705                                                 | 303   | ¢320 |
|                                     | HV41D00          | 1290                                        | 1510                                      | 1655                                                 | —                                           | —                                              | —                                                    | 324   | ¢380 |
| 125                                 | HA41D8、R8        | 1010                                        | 1270                                      | 1485                                                 | 1410                                        | 1670                                           | 1885                                                 | 278.5 | ¢175 |
|                                     | HA42D8、R8        | 1895                                        | 2055                                      | 2370                                                 | —                                           | —                                              | —                                                    | 310   | ¢380 |
|                                     | HV41D00          | 1300                                        | 1560                                      | 1775                                                 | —                                           | —                                              | —                                                    | 324   | ¢380 |
| 150                                 | HA41D8、R8        | 1010                                        | 1270                                      | 1485                                                 | 1410                                        | 1670                                           | 1885                                                 | 278.5 | ¢175 |
|                                     | HA42D8、R8        | 1895                                        | 2055                                      | 2370                                                 | —                                           | —                                              | —                                                    | 310   | ¢380 |
|                                     | HV41D00          | 1300                                        | 1560                                      | 1775                                                 | —                                           | —                                              | —                                                    | 324   | ¢380 |
| 200                                 | HA42D8、R8        | 2035                                        | 2295                                      | 2540                                                 | —                                           | —                                              | —                                                    | 310   | ¢380 |
|                                     | HA51D8、R8        | 1730                                        | 1990                                      | 2235                                                 | —                                           | —                                              | —                                                    | 325   | ¢380 |
|                                     | HV51D00          | 1530                                        | 1795                                      | 2160                                                 | —                                           | —                                              | —                                                    | 324   | ¢380 |
| 250                                 | HA51D8、R8        | 1745                                        | 1910                                      | —                                                    | —                                           | —                                              | —                                                    | 325   | ¢380 |
|                                     | HV51D00          | 1465                                        | 1730                                      | —                                                    | —                                           | —                                              | —                                                    | 324   | ¢380 |
|                                     | HV61D00          | 1595                                        | 1860                                      | —                                                    | —                                           | —                                              | —                                                    | 384   | ¢380 |
| 300                                 | HA51D8、R8        | 1750                                        | 2005                                      | —                                                    | —                                           | —                                              | —                                                    | 325   | ¢380 |
|                                     | HV51D00          | 1465                                        | 1730                                      | —                                                    | —                                           | —                                              | —                                                    | 324   | ¢380 |
|                                     | HV61D00          | 1595                                        | 1860                                      | —                                                    | —                                           | —                                              | —                                                    | 384   | ¢380 |
| 350                                 | HV61D00          | 1690                                        | 1975                                      | —                                                    | —                                           | —                                              | —                                                    | 384   | ¢380 |
|                                     | HV71D00          | 1690                                        | 1975                                      | —                                                    | —                                           | —                                              | —                                                    | 384   | ¢380 |
| 400                                 | HV71D00          | 2130                                        | 2240                                      | —                                                    | —                                           | —                                              | —                                                    | 384   | ¢380 |

**HKG-10000 Class900~Class2500, PN150~PN420**

mm

| 公称<br>通径<br>Nomi<br>nal<br>diami<br>ter             | 执行机构<br>Actuator                            | H                                                          |                                             |                                                            |                                             |                                                        |                                              |                                                            |                                              |                                                            |                                              |                                                            |                                              | B2    | M    |
|-----------------------------------------------------|---------------------------------------------|------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|----------------------------------------------|-------|------|
|                                                     |                                             | 侧装手轮                                                       |                                             |                                                            |                                             |                                                        |                                              | 顶装手轮                                                       |                                              |                                                            |                                              |                                                            |                                              |       |      |
|                                                     |                                             | Side mounted handwheel                                     |                                             |                                                            |                                             |                                                        |                                              | Top mounted handwheel                                      |                                              |                                                            |                                              |                                                            |                                              |       |      |
|                                                     |                                             | Class 900                                                  |                                             | Class 1500                                                 |                                             | Class 2500                                             |                                              | Class 900                                                  |                                              | Class 1500                                                 |                                              | Class 2500                                                 |                                              |       |      |
| 常温型<br>(P)<br>Normal<br>Temper<br>ature<br>Type (P) | 伸长I型<br>(EI)<br>Extension<br>Type I<br>(EI) | 常温型<br>(P)<br>Norma<br>l<br>Tempe<br>rature<br>Type<br>(P) | 伸长I型<br>(EI)<br>Extension<br>Type I<br>(EI) | 常温型<br>(P)<br>Norma<br>l<br>Tempe<br>rature<br>Type<br>(P) | 伸长I型<br>(EI)<br>Extension<br>Type I<br>(EI) | 常温型<br>(P)<br>Normal<br>Temper<br>ature<br>Type<br>(P) | 伸长I型<br>(EI)<br>Extensio<br>n Type I<br>(EI) | 常温型<br>(P)<br>Norma<br>l<br>Tempe<br>rature<br>Type<br>(P) | 伸长I型<br>(EI)<br>Extensio<br>n Type I<br>(EI) | 常温型<br>(P)<br>Norma<br>l<br>Tempe<br>rature<br>Type<br>(P) | 伸长I型<br>(EI)<br>Extensio<br>n Type I<br>(EI) | 常温型<br>(P)<br>Norma<br>l<br>Tempe<br>rature<br>Type<br>(P) | 伸长I型<br>(EI)<br>Extensio<br>n Type I<br>(EI) |       |      |
| 25                                                  | HA31D8、R8                                   | 810                                                        | 945                                         | 810                                                        | 945                                         | 840                                                    | 960                                          | 1100                                                       | 1235                                         | 1100                                                       | 1235                                         | 1130                                                       | 1250                                         | 278.5 | ¢175 |
|                                                     | HA41D8、R8                                   | 975                                                        | 1105                                        | 975                                                        | 1105                                        | 1005                                                   | 1125                                         | 1375                                                       | 1505                                         | 1375                                                       | 1505                                         | 1405                                                       | 1525                                         | 303   | ¢320 |
| 32                                                  | HA31D8、R8                                   | 835                                                        | 975                                         | 835                                                        | 975                                         | 880                                                    | 1025                                         | 1125                                                       | 1265                                         | 1125                                                       | 1265                                         | 1170                                                       | 1315                                         | 278.5 | 175  |
|                                                     | HA41D8、R8                                   | 995                                                        | 1135                                        | 995                                                        | 1135                                        | 1040                                                   | 1185                                         | 1395                                                       | 1535                                         | 1395                                                       | 1535                                         | 1440                                                       | 1585                                         | 303   | ¢320 |
| 40                                                  | HA31D8、R8                                   | 835                                                        | 975                                         | 835                                                        | 975                                         | 880                                                    | 1025                                         | 1125                                                       | 1265                                         | 1125                                                       | 1265                                         | 1170                                                       | 1315                                         | 278.5 | ¢175 |
|                                                     | HA41D8、R8                                   | 995                                                        | 1135                                        | 995                                                        | 1135                                        | 1040                                                   | 1185                                         | 1395                                                       | 1535                                         | 1395                                                       | 1535                                         | 1440                                                       | 1585                                         | 303   | ¢320 |
| 50                                                  | HA31D8、R8                                   | 865                                                        | 1025                                        | 865                                                        | 1025                                        | 900                                                    | 1060                                         | 1155                                                       | 1315                                         | 1155                                                       | 1315                                         | 1190                                                       | 1350                                         | 278.5 | ¢175 |
|                                                     | HA41D8、R8                                   | 1030                                                       | 1190                                        | 1030                                                       | 1190                                        | 1065                                                   | 1225                                         | 1430                                                       | 1590                                         | 1430                                                       | 1590                                         | 1465                                                       | 1625                                         | 303   | ¢320 |
| 80                                                  | HA31D8、R8                                   | 900                                                        | 1080                                        | 900                                                        | 1080                                        | 935                                                    | 1105                                         | 1190                                                       | 1370                                         | 1190                                                       | 1370                                         | 1225                                                       | 1395                                         | 278.5 | ¢175 |
|                                                     | HA41D8、R8                                   | 1070                                                       | 1250                                        | 1070                                                       | 1250                                        | 1105                                                   | 1275                                         | 1470                                                       | 1650                                         | 1470                                                       | 1650                                         | 1505                                                       | 1675                                         | 303   | ¢320 |
| 100                                                 | HA31D8、R8                                   | 935                                                        | 1115                                        | 935                                                        | 1115                                        | 985                                                    | 1155                                         | 1225                                                       | 1405                                         | 1225                                                       | 1405                                         | 1275                                                       | 1445                                         | 278.5 | ¢175 |
|                                                     | HA41D8、R8                                   | 1100                                                       | 1280                                        | 1100                                                       | 1280                                        | 1145                                                   | 1315                                         | 1500                                                       | 1780                                         | 1500                                                       | 1780                                         | 1545                                                       | 1715                                         | 303   | ¢320 |
|                                                     | HV61SR5                                     | 1470                                                       | 1650                                        | 1470                                                       | 1540                                        | 1510                                                   | 1685                                         | —                                                          | —                                            | —                                                          | —                                            | —                                                          | —                                            | 384   | ¢380 |
| 150                                                 | HA31D8、R8                                   | 995                                                        | 1175                                        | 995                                                        | 1175                                        | 1035                                                   | 1210                                         | 1285                                                       | 1465                                         | 1285                                                       | 1465                                         | 1325                                                       | 1500                                         | 278.5 | ¢175 |
|                                                     | HA41D8、R8                                   | 1155                                                       | 1335                                        | 1155                                                       | 1335                                        | 1195                                                   | 1370                                         | 1555                                                       | 1735                                         | 1555                                                       | 1735                                         | 1595                                                       | 1770                                         | 303   | ¢320 |
|                                                     | HV61SR5                                     | 2055                                                       | 2135                                        | 2055                                                       | 2135                                        | 1995                                                   | 2175                                         | —                                                          | —                                            | —                                                          | —                                            | —                                                          | —                                            | 384   | ¢380 |
|                                                     | HV51D00                                     | 1465                                                       | 1645                                        | 1465                                                       | 1645                                        | 1505                                                   | 1680                                         | —                                                          | —                                            | —                                                          | —                                            | —                                                          | —                                            | 324   | ¢380 |
| 200                                                 | HA41D8、R8                                   | 1280                                                       | 1460                                        | 1280                                                       | 1460                                        | 1335                                                   | 1515                                         | 1680                                                       | 1860                                         | 1680                                                       | 1860                                         | 1735                                                       | 1915                                         | 303   | ¢320 |
|                                                     | HA51DY、R                                    | 1950                                                       | 2125                                        | 1950                                                       | 2125                                        | 2000                                                   | 2180                                         | —                                                          | —                                            | —                                                          | —                                            | —                                                          | —                                            | 380   | ¢325 |
|                                                     | HV61D00                                     | 1710                                                       | 1890                                        | 1710                                                       | 1890                                        | 1765                                                   | 1945                                         | —                                                          | —                                            | —                                                          | —                                            | —                                                          | —                                            | 384   | ¢380 |
| 250                                                 | HA51D8、R8                                   | 1780                                                       | 1825                                        | 1575                                                       | 1825                                        | —                                                      | —                                            | —                                                          | —                                            | —                                                          | —                                            | —                                                          | —                                            | 380   | ¢325 |
|                                                     | HV71D00                                     | 1720                                                       | 1840                                        | 1590                                                       | 1840                                        | —                                                      | —                                            | —                                                          | —                                            | —                                                          | —                                            | —                                                          | —                                            | 384   | ¢380 |
| 300                                                 | HA51D8、R8                                   | 1760                                                       | 1830                                        | 1580                                                       | 1830                                        | —                                                      | —                                            | —                                                          | —                                            | —                                                          | —                                            | —                                                          | —                                            | 380   | ¢325 |
|                                                     | HV71D00                                     | 1720                                                       | 1830                                        | 1580                                                       | 1830                                        | —                                                      | —                                            | —                                                          | —                                            | —                                                          | —                                            | —                                                          | —                                            | 384   | ¢380 |
| 350                                                 | HV81D00                                     | 2185                                                       | 2435                                        | 2310                                                       | 2435                                        | —                                                      | —                                            | —                                                          | —                                            | —                                                          | —                                            | —                                                          | —                                            | 440   | ¢380 |
| 400                                                 | HV81D00                                     | 2065                                                       | 2315                                        | 2065                                                       | 2315                                        | —                                                      | —                                            | —                                                          | —                                            | —                                                          | —                                            | —                                                          | —                                            | 440   | ¢380 |

HKG-10100 Class150~Class600, PN16~PN110

mm

| 公称<br>通径<br><br>Nomina<br>l<br>diamete<br>r | 执行机构<br><br>Actuator | H                                               |                                      |                                          |                                                 |                                      |                                          | B   | B2    | M    |
|---------------------------------------------|----------------------|-------------------------------------------------|--------------------------------------|------------------------------------------|-------------------------------------------------|--------------------------------------|------------------------------------------|-----|-------|------|
|                                             |                      | 侧装手轮                                            |                                      |                                          | 顶装手轮                                            |                                      |                                          |     |       |      |
|                                             |                      | Side mounted handwheel                          |                                      |                                          | Top mounted handwheel                           |                                      |                                          |     |       |      |
|                                             |                      | 常温型(P)<br>Normal<br>Temperat<br>ure Type<br>(P) | 伸长I型(EI)<br>Extension Type<br>I (EI) | 伸长II型(EII)<br>Extension Type II<br>(EII) | 常温型(P)<br>Normal<br>Temperat<br>ure Type<br>(P) | 伸长I型(EI)<br>Extension Type<br>I (EI) | 伸长II型(EII)<br>Extension Type<br>II (EII) |     |       |      |
| 40                                          | HA21D8、R8            | 555                                             | 725                                  | 835                                      | 816                                             | 986                                  | 1096                                     | 281 | 273.5 | ¢175 |
|                                             | HA31D8、R8            | 680                                             | 850                                  | 1000                                     | 967                                             | 1137                                 | 1287                                     | 363 | 278.5 | ¢175 |
| 50                                          | HA21D8、R8            | 550                                             | 720                                  | 830                                      | 811                                             | 981                                  | 1091                                     | 281 | 273.5 | ¢175 |
|                                             | HA31D8、R8            | 675                                             | 845                                  | 955                                      | 962                                             | 1106                                 | 1216                                     | 363 | 278.5 | ¢175 |
| 65                                          | HA21D8、R8            | 625                                             | 795/805                              | 930                                      | 886                                             | 1056/1066                            | 1191                                     | 281 | 273.5 | ¢175 |
|                                             | HA31D8、R8            | 705                                             | 885/895                              | 1005                                     | 992                                             | 1172/1182                            | 1292                                     | 363 | 278.5 | ¢175 |
|                                             | HA41D8、R8            | 890                                             | 1070/1080                            | 1185                                     | 1288                                            | 1468/1478                            | 1583                                     | 520 | 303   | ¢320 |
| 80                                          | HA21D8、R8            | 660                                             | 835/845                              | 980                                      | 921                                             | 1096/1106                            | 1241                                     | 281 | 273.5 | ¢175 |
|                                             | HA31D8、R8            | 715                                             | 900/910                              | 1035                                     | 1002                                            | 1187/1197                            | 1322                                     | 363 | 278.5 | ¢175 |
|                                             | HA41D8、R8            | 900                                             | 1085/1095                            | 1215                                     | 1298                                            | 1483/1493                            | 1613                                     | 520 | 303   | ¢320 |
| 100                                         | HA21D8、R8            | 700                                             | 900/970                              | 1040                                     | 961                                             | 1161/1231                            | 1301                                     | 281 | 273.5 | ¢175 |
|                                             | HA31D8、R8            | 755                                             | 965/1005                             | 1090                                     | 1042                                            | 1252/1292                            | 1377                                     | 363 | 278.5 | ¢175 |
|                                             | HA41D8、R8            | 930                                             | 1150/1160                            | 1290                                     | 1328                                            | 1548/1558                            | 1688                                     | 520 | 303   | ¢320 |
|                                             | HV61SR5              | 1470                                            | 1690                                 | 1830                                     | 1595                                            | 1815                                 | 1955                                     | 480 | 384   | ¢380 |
|                                             | HV51D00              | 1175                                            | 1395                                 | 1535                                     | 1285                                            | 1505                                 | 1645                                     | 382 | 324   | ¢380 |
| 125                                         | HA31D8、R8            | 825                                             | 1085/1105                            | 1285                                     | 1112                                            | 1372/1392                            | 1572                                     | 363 | 278.5 | ¢175 |
|                                             | HA41D8、R8            | 995                                             | 1255/1290                            | 1465                                     | 1353                                            | 1653/1688                            | 1863                                     | 520 | 303   | ¢320 |
|                                             | HV61SR5              | 1535                                            | 1795                                 | 2010                                     | 1660                                            | 1920                                 | 2135                                     | 480 | 384   | ¢380 |
|                                             | HV51D00              | 1240                                            | 1500                                 | 1715                                     | 1350                                            | 1610                                 | 1825                                     | 382 | 324   | ¢380 |
|                                             | HV61D00              | 1355                                            | 1615                                 | 1830                                     | 1480                                            | 1740                                 | 1955                                     | 480 | 384   | ¢380 |
|                                             | HV71D00              | 1355                                            | 1615                                 | 1830                                     | 1480                                            | 1740                                 | 1955                                     | 580 | 384   | ¢380 |
| 150                                         | HA31D8、R8            | 825                                             | 1085/1105                            | 1285                                     | 1112                                            | 1375/1392                            | 1572                                     | 363 | 278.5 | ¢175 |
|                                             | HA41D8、R8            | 995                                             | 1255/1290                            | 1465                                     | 1393                                            | 1653/1688                            | 1863                                     | 520 | 303   | ¢320 |
|                                             | HV61SR5              | 1535                                            | 1795                                 | 2010                                     | 1660                                            | 1920                                 | 2135                                     | 480 | 384   | ¢380 |
|                                             | HV51D00              | 1240                                            | 1500                                 | 1715                                     | 1350                                            | 1610                                 | 1825                                     | 382 | 324   | ¢380 |
|                                             | HV61D00              | 1355                                            | 1615                                 | 1830                                     | 1480                                            | 1740                                 | 1955                                     | 480 | 384   | ¢380 |
|                                             | HV71D00              | 1355                                            | 1615                                 | 1830                                     | 1480                                            | 1740                                 | 1955                                     | 580 | 384   | ¢380 |
| 200                                         | HA41D8、R8            | 1135                                            | 1395                                 | 1640                                     | 1533                                            | 1793                                 | 2038                                     | 520 | 303   | ¢320 |
|                                             | HV51D00              | 1405                                            | 1670                                 | 2035                                     | 1515                                            | 1780                                 | 2145                                     | 382 | 324   | ¢380 |
|                                             | HV61D00              | 1515                                            | 1780                                 | 2150                                     | 1640                                            | 1905                                 | 2275                                     | 480 | 384   | ¢380 |
|                                             | HV71D00              | 1515                                            | 1780                                 | 2150                                     | 1640                                            | 1905                                 | 2275                                     | 580 | 384   | ¢380 |

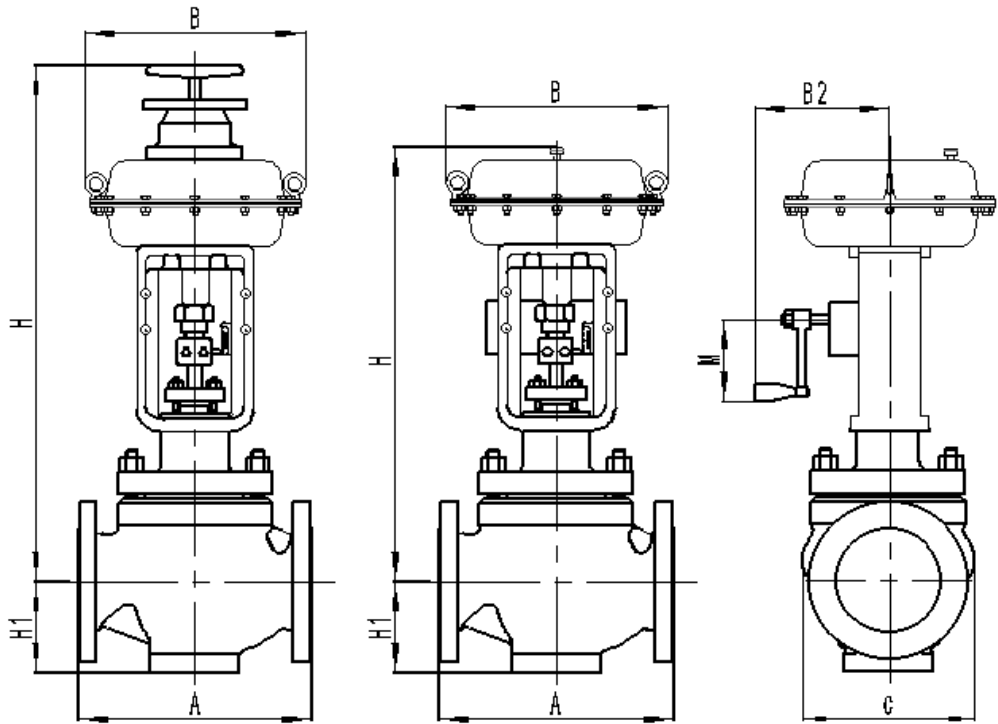
HKG-10100 Class900~Class2500, PN150~PN420

mm

| 公称<br>通径<br>Nominal<br>diameter | 执行机构<br>Actuator | H                                           |                                      |                                                 |                                          |                                                 |                                      |                                                 |                                      | B2    | M    |
|---------------------------------|------------------|---------------------------------------------|--------------------------------------|-------------------------------------------------|------------------------------------------|-------------------------------------------------|--------------------------------------|-------------------------------------------------|--------------------------------------|-------|------|
|                                 |                  | 侧装手轮<br>Side mounted handwheel              |                                      |                                                 |                                          | 顶装手轮<br>Top mounted handwheel                   |                                      |                                                 |                                      |       |      |
|                                 |                  | Class900 JIS 63K<br>Class 1500              |                                      | Class 2500                                      |                                          | Class 900 JIS63K<br>Class1500                   |                                      | Class 2500                                      |                                      |       |      |
|                                 |                  | 常温型(P)<br>Normal<br>Temperature<br>Type (P) | 伸长I型(EI)<br>Extension Type<br>I (EI) | 常温型<br>(P)<br>Normal<br>Temperature<br>Type (P) | 伸长I型<br>(EI)<br>Extension<br>Type I (EI) | 常温型<br>(P)<br>Normal<br>Temperature<br>Type (P) | 伸长I型(EI)<br>Extension<br>Type I (EI) | 常温型<br>(P)<br>Normal<br>Temperature<br>Type (P) | 伸长I型(EI)<br>Extension<br>Type I (EI) |       |      |
| 40                              | HA31D8、R8        | 860                                         | 1000                                 | 905                                             | 1050                                     | 1147                                            | 1287                                 | 1192                                            | 1337                                 | 278.5 | ¢175 |
|                                 | HA41D8、R8        | 995                                         | 1135                                 | 1040                                            | 1185                                     | 1393                                            | 1533                                 | 1438                                            | 1583                                 | 303   | ¢320 |
| 50                              | HA31D8、R8        | 890                                         | 1050                                 | 920                                             | 1080                                     | 1177                                            | 1337                                 | 1207                                            | 1367                                 | 278.5 | ¢175 |
|                                 | HA41D8、R8        | 1030                                        | 1190                                 | 1065                                            | 1220                                     | 1428                                            | 1588                                 | 1463                                            | 1618                                 | 303   | ¢320 |
| 80                              | HA31D8、R8        | 925                                         | 1105                                 | 960                                             | 1130                                     | 1212                                            | 1392                                 | 1247                                            | 1417                                 | 278.5 | ¢175 |
|                                 | HA41D8、R8        | 1070                                        | 1250                                 | 1105                                            | 1275                                     | 1468                                            | 1648                                 | 1503                                            | 1673                                 | 303   | ¢320 |
| 100                             | HA31D8、R8        | 955                                         | 1135                                 | 1005                                            | 1175                                     | 1242                                            | 1422                                 | 1292                                            | 1462                                 | 278.5 | ¢175 |
|                                 | HA41D8、R8        | 1100                                        | 1280                                 | 1145                                            | 1315                                     | 1498                                            | 1678                                 | 1543                                            | 1713                                 | 303   | ¢320 |
|                                 | HV61SR5          | 1715                                        | 1895                                 | 1760                                            | 1930                                     | —                                               | —                                    | —                                               | —                                    | 384   | ¢380 |
| 150                             | HA31D8、R8        | 1010                                        | 1190                                 | 1040                                            | 1220                                     | 1297                                            | 1477                                 | 1327                                            | 1507                                 | 278.5 | ¢175 |
|                                 | HA41D8、R8        | 1165                                        | 1345                                 | 1195                                            | 1375                                     | 1563                                            | 1743                                 | 1593                                            | 1773                                 | 303   | ¢320 |
|                                 | HV61SR5          | 1780                                        | 1960                                 | 1810                                            | 1990                                     | —                                               | —                                    | —                                               | —                                    | 384   | ¢380 |
|                                 | HV51D00          | 1470                                        | 1650                                 | 1500                                            | 1680                                     | —                                               | —                                    | —                                               | —                                    | 324   | ¢380 |
| 200                             | HA41D8、R8        | 1300                                        | 1480                                 | 1335                                            | 1515                                     | 1698                                            | 1878                                 | 1733                                            | 1913                                 | 303   | ¢320 |
|                                 | HA51D8、R8        | —                                           | —                                    | —                                               | —                                        | 1971                                            | 2151                                 | 2006                                            | 2186                                 | 380   | ¢325 |
|                                 | HV61D00          | 1730                                        | 1910                                 | 1765                                            | 1945                                     | —                                               | —                                    | —                                               | —                                    | 384   | ¢380 |

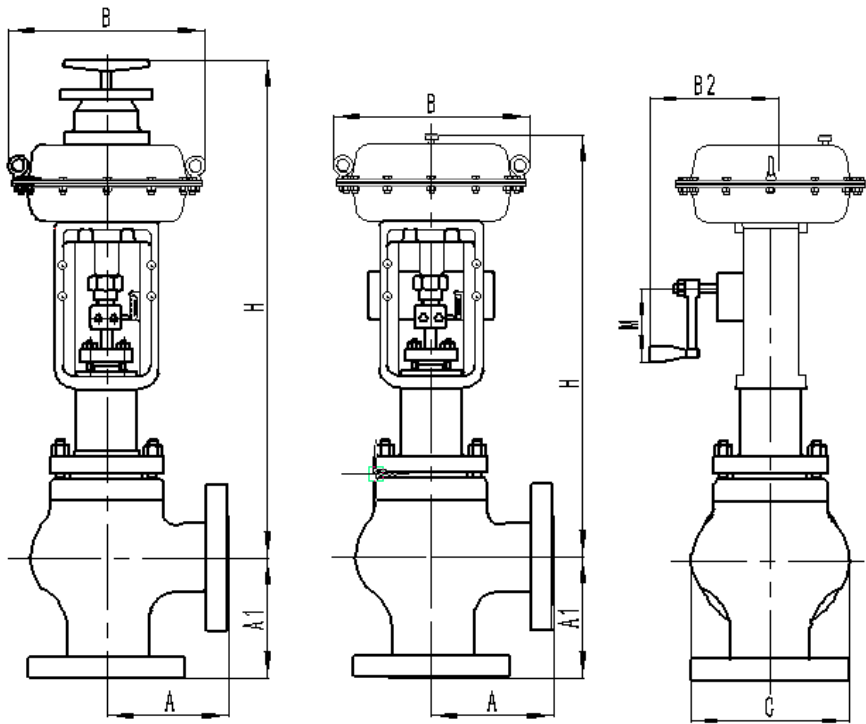
注：表 5-2-2 上 H 栏尺寸是气动执行机构（带手轮）调节阀高度。

Note: The dimensions in column H of Table 5-2 refer to the height of the pneumatic actuator (with handwheel) of control valve.

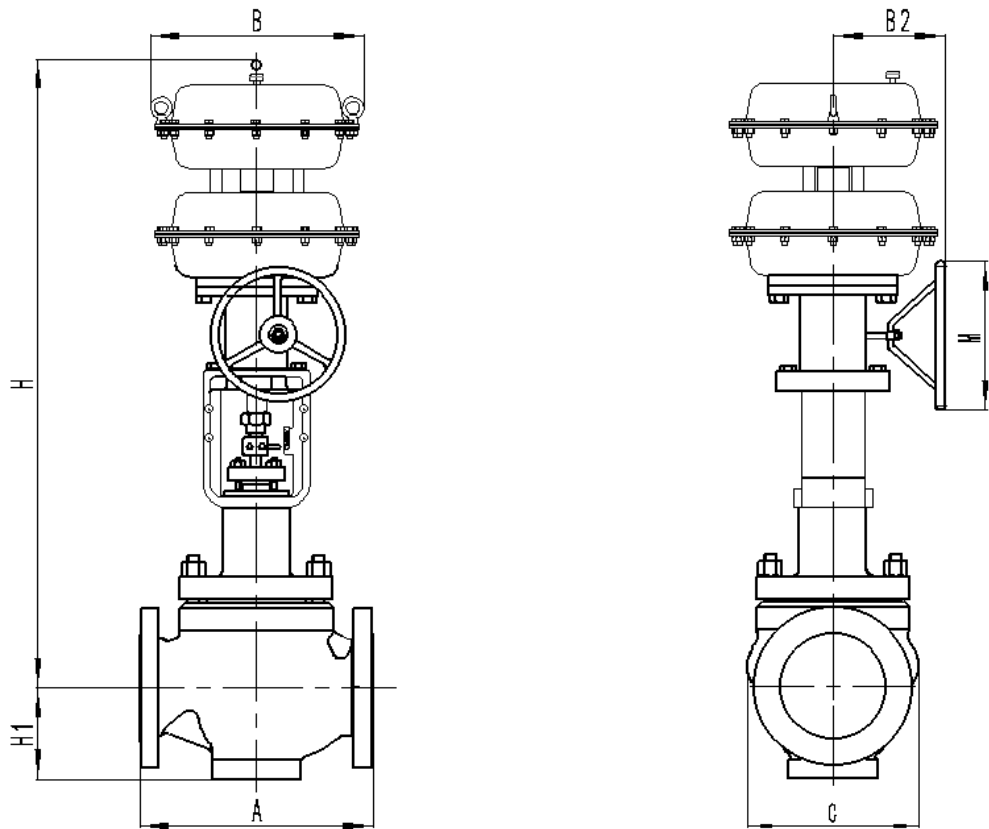


HKG-10000 配 HA11~HA41 执行机构

HKG-10000 with HA11~HA41 Actuator

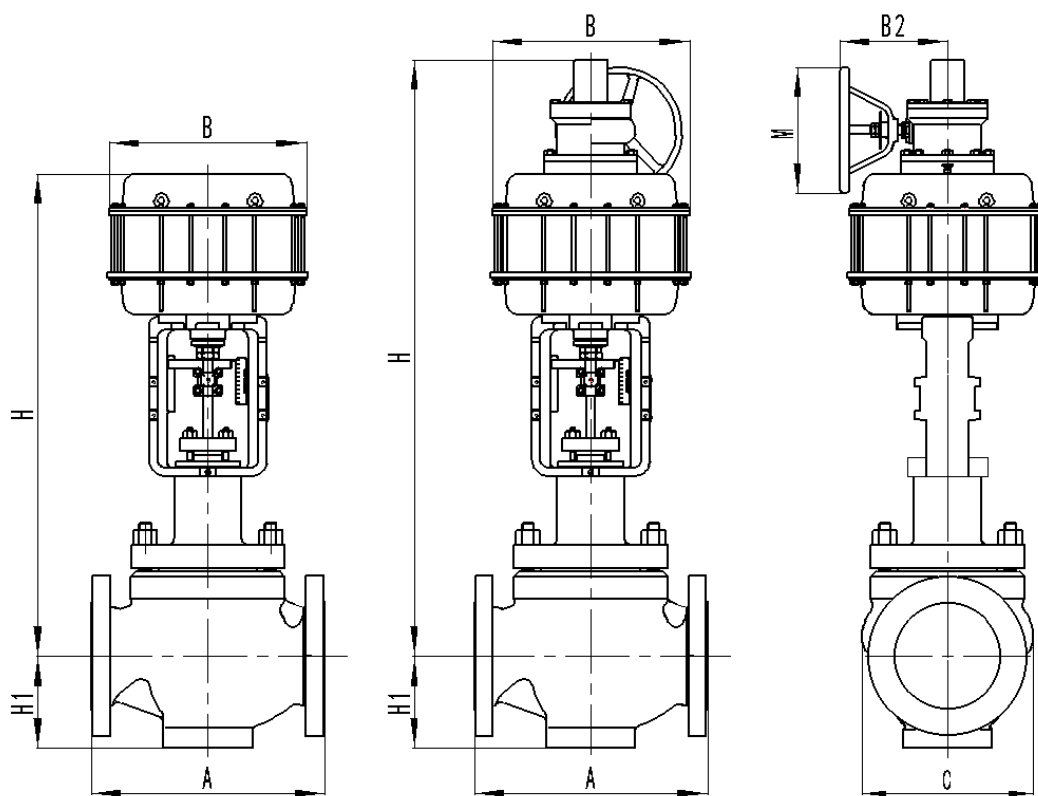


HKG-10100 配 HA11~HA41 执行机构  
HKG-10100 with HA11~HA41 Actuator

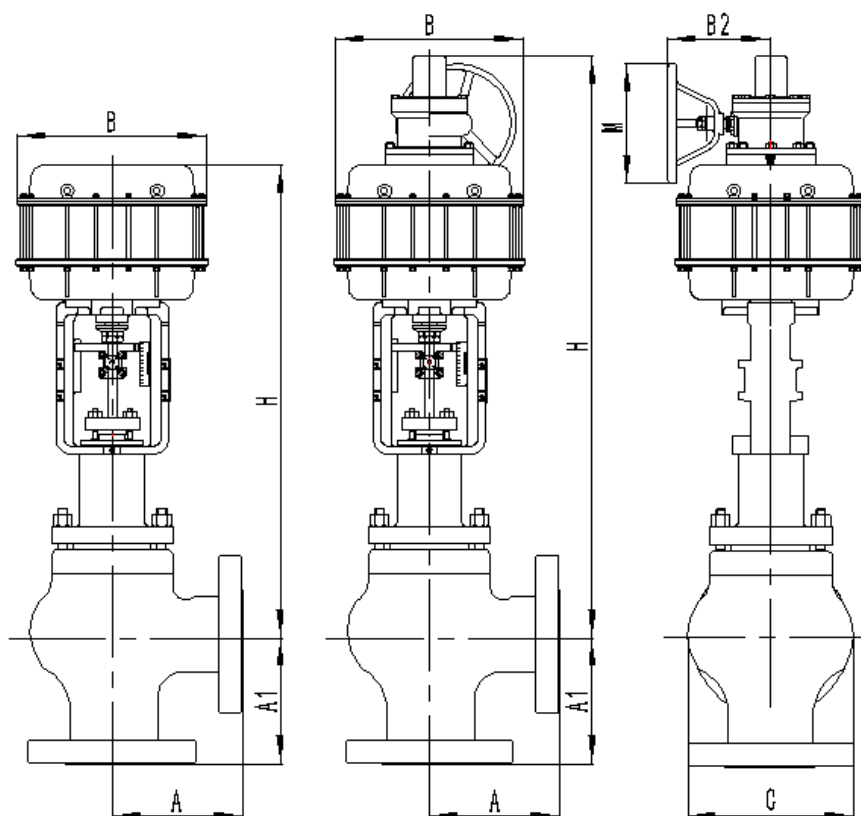


HKG-10000 配 HA42 执行机构  
HKG-10000 with HA42 Actuator

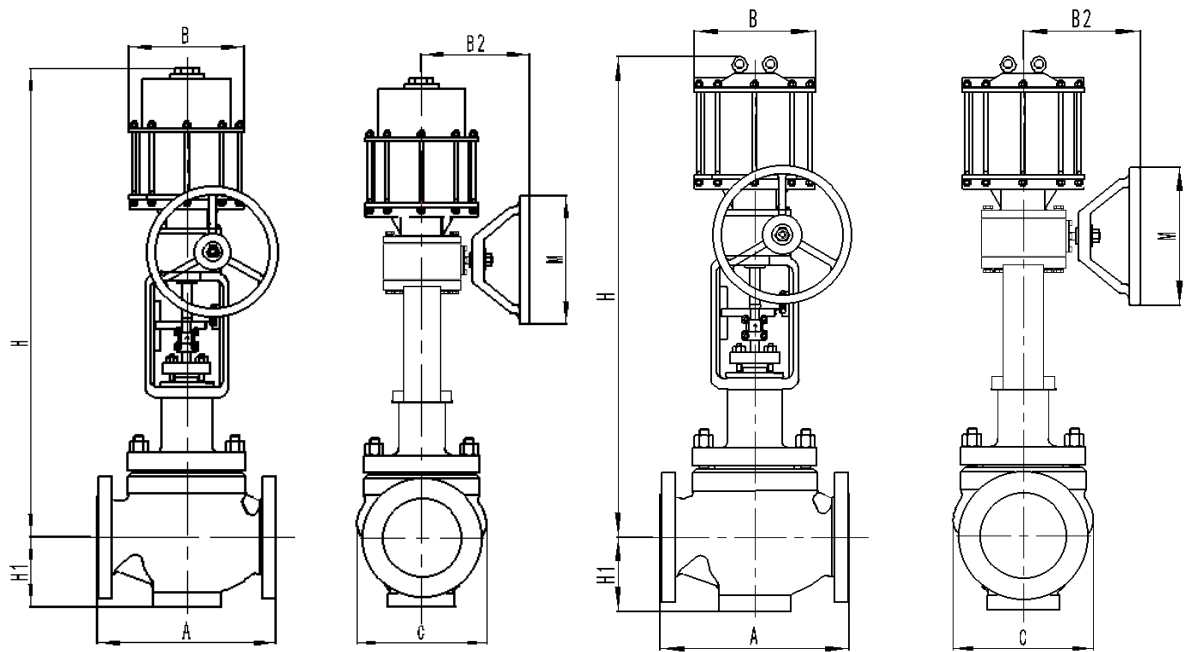




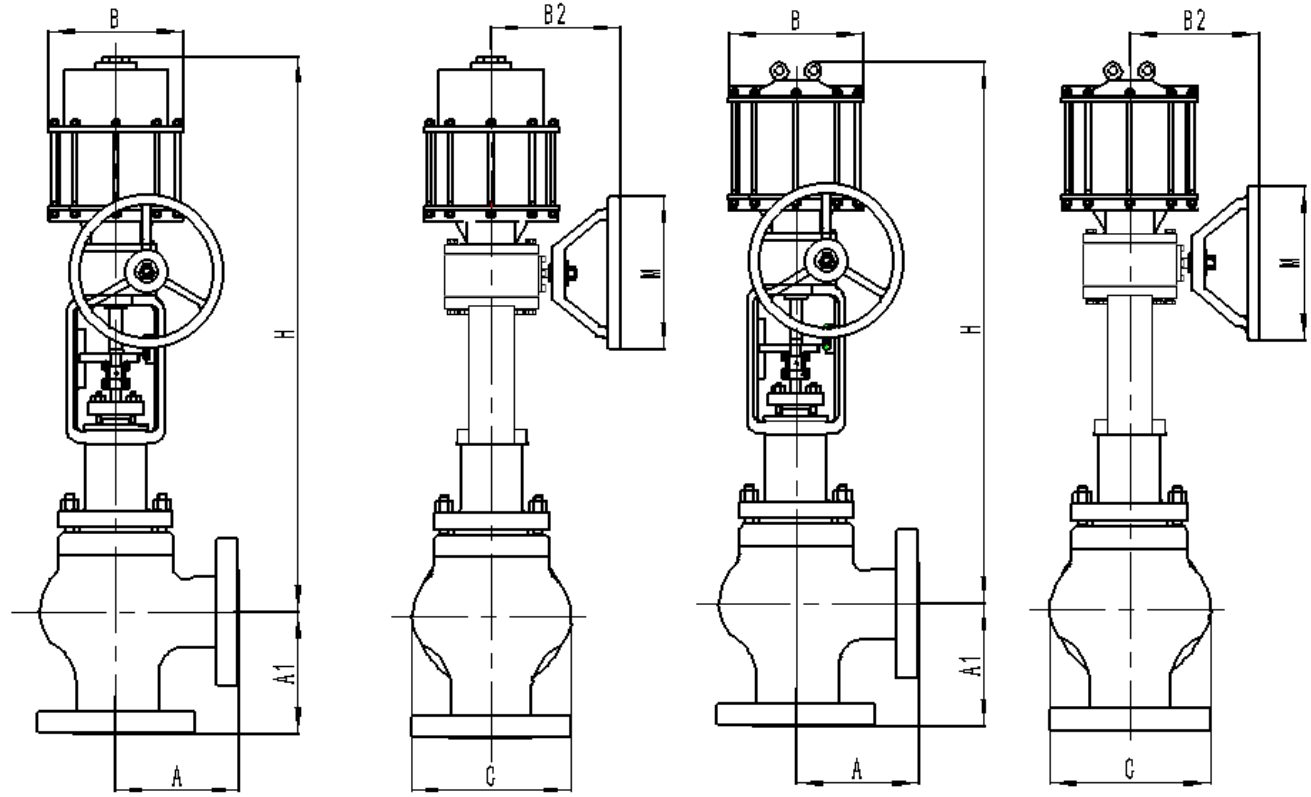
HKG-10000 配 HA51 执行机构  
HKG-10000 with HA51 Actuator



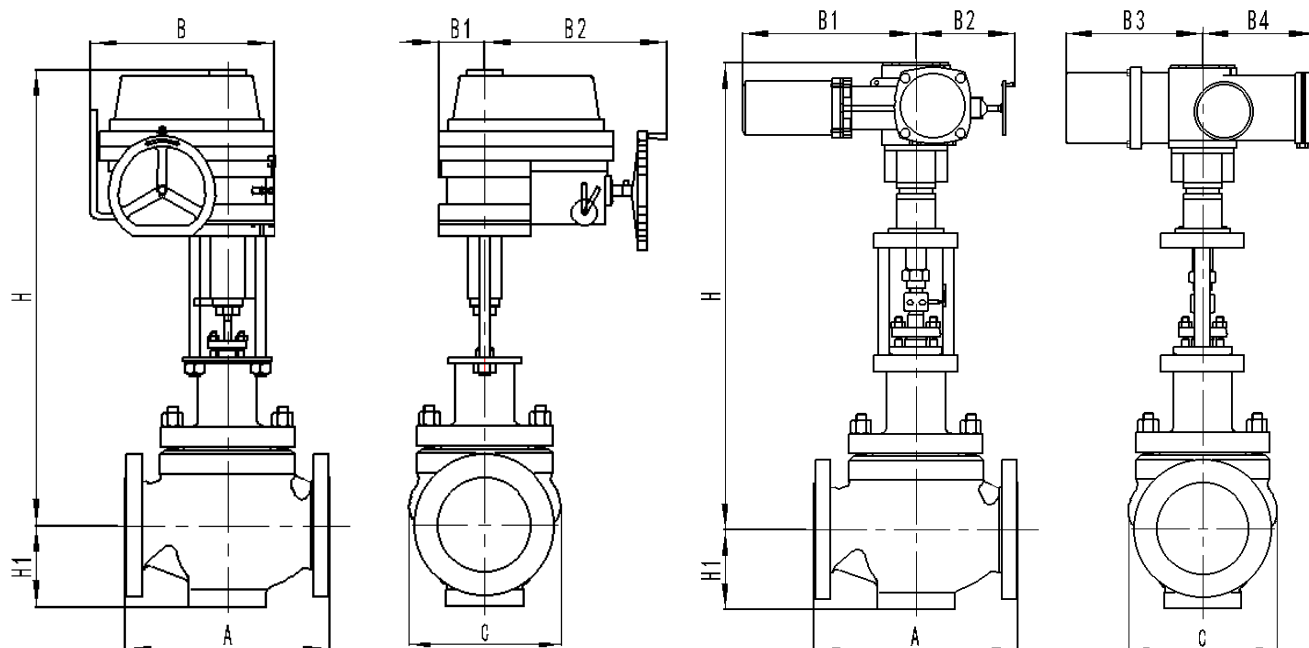
HKG-10100 配 HA51 执行机构  
HKG-10100 with HA51 Actuator



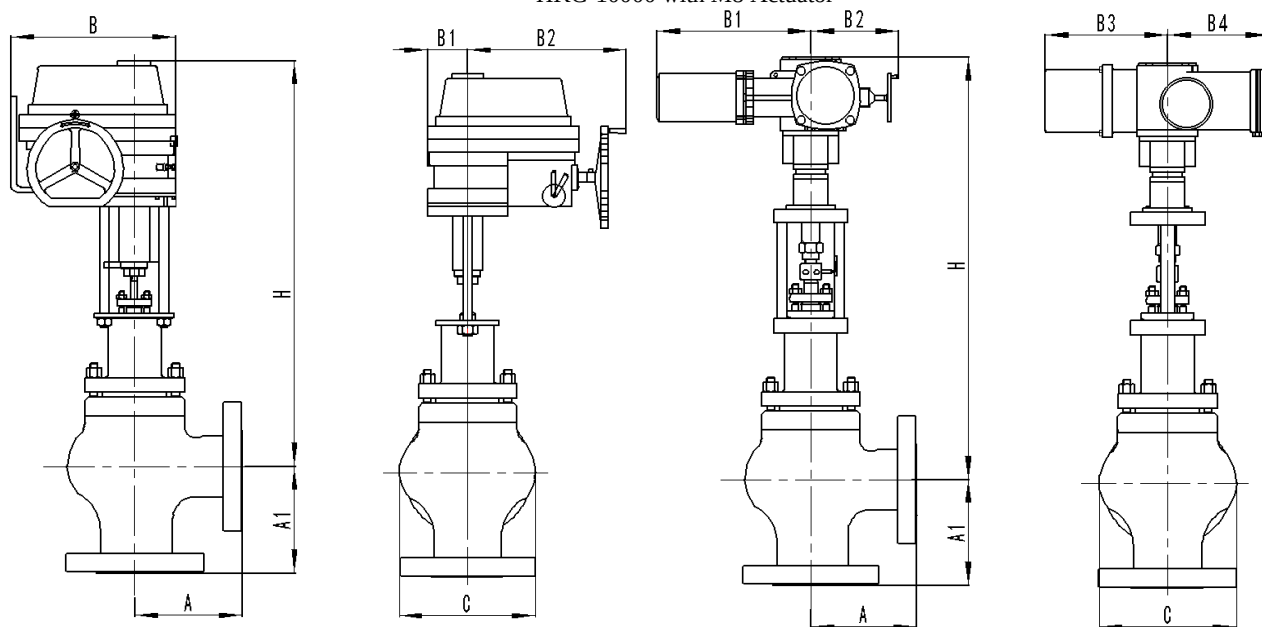
HKG-10000 配 HV 单/双作用执行机构  
HKG-10000 with HV Single/Double Acting Actuator



HKG-10100 配 HV 单/双作用执行机构  
HKG-10100 with HV Single/Double Acting Actuator



HKG-10000 配 M8 执行机构  
HKG-10000 with M8 Actuator



HKG-10100 配 EIL 执行机构  
HKG-10100 with EIL Actuator

图 5 法兰距及外形尺寸

Figure 5 Flange Distance and Overall Dimensions

表 6 重量  
Table 6 Weight

HKG-10000 Class150~Class600, PN16~PN110

kg

| 公称<br>通径<br>Nominal<br>diameter | 执行机构<br>Actuator | 法兰连接<br>Flange connection |      |     |                            |      |     |                      |      |     | 焊接连接<br>Welding connection            |     |     |
|---------------------------------|------------------|---------------------------|------|-----|----------------------------|------|-----|----------------------|------|-----|---------------------------------------|-----|-----|
|                                 |                  | Class150<br>JIS 10K       |      |     | Class 300<br>JIS 16、20、30K |      |     | Class 600<br>JIS 40K |      |     | Class 150、300、600<br>JIS 10、16、20、30K |     |     |
|                                 |                  | P                         | EI   | EII | P                          | EI   | EII | P                    | EI   | EII | P                                     | EI  | EII |
| 25                              | HA21D8、R8        | 23                        | 25   | -   | 24                         | 26   | -   | 24                   | 26   | -   | 24                                    | 26  | -   |
|                                 | HA31D8、R8        | 39                        | 41   | -   | 40                         | 42   | -   | 40                   | 42   | -   | 40                                    | 42  | -   |
|                                 | EIL04            | 16                        | 18   | -   | 17                         | 19   | -   | 17                   | 19   | -   | 17                                    | 19  | -   |
| 32                              | HA21D8、R8        | 28                        | 31   | 34  | 32                         | 35   | 38  | 39                   | 42   | 45  | 32                                    | 35  | 38  |
|                                 | HA31D8、R8        | 40                        | 43   | 46  | 44                         | 47   | 50  | 51                   | 54   | 57  | 44                                    | 47  | 50  |
|                                 | EIL04            | 22                        | 25   | 26  | 26                         | 30   | 33  | 33                   | 36   | 39  | 26                                    | 30  | 33  |
| 40                              | HA21D8、R8        | 31                        | 34   | 37  | 36                         | 39   | 42  | 44                   | 47   | 50  | 36                                    | 39  | 42  |
|                                 | HA31D8、R8        | 43                        | 46   | 49  | 48                         | 51   | 54  | 56                   | 59   | 62  | 48                                    | 51  | 54  |
|                                 | EIL04            | 25                        | 28   | 31  | 30                         | 33   | 36  | 38                   | 41   | 44  | 30                                    | 33  | 36  |
| 50                              | HA21D8、R8        | 37                        | 40   | 43  | 42                         | 45   | 48  | 47                   | 50   | 43  | 42                                    | 45  | 48  |
|                                 | HA31D8、R8        | 49                        | 52   | 55  | 54                         | 57   | 60  | 59                   | 62   | 65  | 54                                    | 57  | 60  |
|                                 | EIL04            | 31                        | 34   | 37  | 36                         | 39   | 42  | 41                   | 44   | 47  | 36                                    | 39  | 42  |
| 65                              | HA21D8、R8        | 46                        | 50   | 54  | 51                         | 55   | 59  | 68                   | 72   | 76  | 51                                    | 55  | 59  |
|                                 | HA31D8、R8        | 58                        | 62   | 66  | 63                         | 67   | 71  | 80                   | 84   | 88  | 63                                    | 67  | 71  |
|                                 | HA41D8、R8        | 89                        | 93   | 97  | 94                         | 98   | 102 | 111                  | 115  | 119 | 94                                    | 98  | 102 |
|                                 | EIL08            | 44                        | 48   | 52  | 49                         | 53   | 57  | 66                   | 70   | 74  | 49                                    | 53  | 57  |
|                                 | M8610+L8210      | 93                        | 97   | 101 | 98                         | 102  | 106 | 146                  | 150  | 154 | 129                                   | 131 | 137 |
| 80                              | HA31D8、R8        | 68                        | 74   | 80  | 78                         | 84   | 90  | 100                  | 106  | 112 | 78                                    | 84  | 90  |
|                                 | HA41D8、R8        | 99                        | 105  | 111 | 109                        | 115  | 121 | 132                  | 137  | 143 | 112                                   | 115 | 121 |
|                                 | EIL08            | 54                        | 59   | 66  | 64                         | 70   | 76  | 86                   | 92   | 98  | 64                                    | 70  | 76  |
|                                 | M8610+L8210      | 103                       | 109  | 115 | 113                        | 119  | 125 | 135                  | 141  | 147 | 113                                   | 119 | 124 |
| 100                             | HA31D8、R8        | 78                        | 88   | 93  | 93                         | 103  | 108 | 128                  | 138  | 143 | 90                                    | 100 | 103 |
|                                 | HA41D8、R8        | 109                       | 119  | 124 | 124                        | 134  | 139 | 159                  | 169  | 174 | 121                                   | 132 | 136 |
|                                 | EIL08            | 64                        | 74   | 79  | 79                         | 89   | 94  | 114                  | 124  | 129 | 76                                    | 87  | 91  |
|                                 | M8610+L8210      | 113                       | 123  | 128 | 128                        | 138  | 141 | 166                  | 173  | 178 | 125                                   | 135 | 171 |
| 125                             | HA31D8、R8        | 147                       | 162  | 169 | 172                        | 187  | 194 | 222                  | 237  | 244 | 159                                   | 174 | 181 |
|                                 | HA41D8、R8        | 178                       | 193  | 200 | 203                        | 218  | 225 | 253                  | 268  | 275 | 190                                   | 205 | 212 |
|                                 | M8610+L8210      | 188                       | 203  | 210 | 213                        | 228  | 235 | 263                  | 278  | 285 | 200                                   | 215 | 222 |
|                                 | EIL12            | 130                       | 145  | 152 | 155                        | 170  | 177 | 205                  | 220  | 227 | 142                                   | 157 | 164 |
| 150                             | HA31D8、R8        | 161                       | 176  | 183 | 191                        | 206  | 213 | 241                  | 256  | 263 | 181                                   | 196 | 203 |
|                                 | HA41D8、R8        | 192                       | 207  | 214 | 222                        | 237  | 244 | 272                  | 287  | 294 | 212                                   | 227 | 234 |
|                                 | HV41D00          | 202                       | 217  | 224 | 232                        | 247  | 254 | 282                  | 297  | 304 | 222                                   | 237 | 244 |
|                                 | EIL12            | 144                       | 159  | 166 | 174                        | 189  | 196 | 224                  | 239  | 246 | 164                                   | 179 | 186 |
| 200                             | HA41D8、R8        | 274                       | 294  | 304 | 324                        | 344  | 354 | 444                  | 464  | 474 | 314                                   | 334 | 344 |
|                                 | HV51D00          | 306                       | 326  | 336 | 356                        | 376  | 386 | 476                  | 496  | 506 | 346                                   | 366 | 376 |
|                                 | EIL20            | 234                       | 254  | 264 | 284                        | 304  | 314 | 404                  | 424  | 434 | 274                                   | 294 | 304 |
|                                 | M8620+L8220      | 274                       | 294  | 304 | 324                        | 344  | 354 | 444                  | 464  | 474 | 314                                   | 334 | 344 |
| 250                             | HA51D8、R8        | 730                       | 790  | —   | 900                        | 960  | —   | 1030                 | 1145 | —   | —                                     | —   | —   |
|                                 | HV51D00          | 630                       | 690  | —   | 800                        | 860  | —   | 930                  | 1045 | —   | —                                     | —   | —   |
|                                 | HV61D00          | 680                       | 740  | —   | 750                        | 810  | —   | 880                  | 995  | —   | —                                     | —   | —   |
|                                 | EIL25            | 560                       | 615  | —   | 725                        | 785  | —   | 805                  | 920  | —   | —                                     | —   | —   |
|                                 | M8620+L8230      | 610                       | 670  | —   | 780                        | 840  | —   | 910                  | 1025 | —   | —                                     | —   | —   |
| 300                             | HA51D8、R8        | 870                       | 940  | —   | 1000                       | 1070 | —   | 1070                 | 1140 | —   | —                                     | —   | —   |
|                                 | HV51D00          | 770                       | 840  | —   | 900                        | 970  | —   | 970                  | 1040 | —   | —                                     | —   | —   |
|                                 | HV61D00          | 820                       | 890  | —   | 950                        | 1020 | —   | 1020                 | 1090 | —   | —                                     | —   | —   |
|                                 | EIL25            | 695                       | 765  | —   | 825                        | 895  | —   | 895                  | 970  | —   | —                                     | —   | —   |
|                                 | M8620+L8230      | 730                       | 800  | —   | 860                        | 1030 | —   | 950                  | 1020 | —   | —                                     | —   | —   |
| 350                             | HV61D00          | 1020                      | 1120 | —   | 1290                       | 1390 | —   | 1490                 | 1590 | —   | —                                     | —   | —   |
|                                 | HV71D00          | 1170                      | 1270 | —   | 1440                       | 1540 | —   | 1640                 | 1740 | —   | —                                     | —   | —   |
|                                 | M8630+L8240      | 970                       | 1070 | —   | 1270                       | 1340 | —   | 1440                 | 1540 | —   | —                                     | —   | —   |
| 400                             | HV71D00          | 1650                      | 1750 | —   | 1900                       | 2030 | —   | 2100                 | 2300 | —   | —                                     | —   | —   |
|                                 | M8630+L8240      | 1450                      | 1550 | —   | 1700                       | 1830 | —   | 1900                 | 2100 | —   | —                                     | —   | —   |

**HKG-10000 Class900~Class2500, PN150~PN420**

kg

| 公称<br>通径<br>Nominal<br>diameter | 执行机构<br>Actuator | 法兰连接<br>Flange connection         |                          |                                   |                          |                                   |                          | 焊接连接<br>Welding connection        |                          |                                   |                          |                                   |                          |
|---------------------------------|------------------|-----------------------------------|--------------------------|-----------------------------------|--------------------------|-----------------------------------|--------------------------|-----------------------------------|--------------------------|-----------------------------------|--------------------------|-----------------------------------|--------------------------|
|                                 |                  | Class 900、<br>JIS63K              |                          | Class 1500                        |                          | Class 2500                        |                          | Class 900<br>JIS63K               |                          | Class 1500                        |                          | Class 2500                        |                          |
|                                 |                  | 常温型<br>(P)                        | 伸长I型<br>(EI)             | 常温型<br>(P)                        | 伸长I型<br>(EI)             | 常温型<br>(P)                        | 伸长I型<br>(EI)             | 常温型<br>(P)                        | 伸长I型<br>(EI)             | 常温型<br>(P)                        | 伸长I型<br>(EI)             | 常温型<br>(P)                        | 伸长I型<br>(EI)             |
|                                 |                  | Normal<br>Temperature<br>Type (P) | Extension<br>Type I (EI) | Normal<br>Temperature<br>Type (P) | Extension<br>Type I (EI) | Normal<br>Temperature<br>Type (P) | Extension<br>Type I (EI) | Normal<br>Temperature<br>Type (P) | Extension<br>Type I (EI) | Normal<br>Temperature<br>Type (P) | Extension<br>Type I (EI) | Normal<br>Temperature<br>Type (P) | Extension<br>Type I (EI) |
| 25                              | HA31D8、R8        | 55                                | 60                       | 60                                | 65                       | 85                                | 90                       | 45                                | 50                       | 50                                | 55                       | 70                                | 75                       |
|                                 | HA41D8、R8        | 85                                | 90                       | 90                                | 95                       | 115                               | 120                      | 80                                | 85                       | 85                                | 90                       | 100                               | 105                      |
|                                 | HV51D00          | 105                               | 110                      | 105                               | 110                      | 130                               | 135                      | 95                                | 100                      | 100                               | 105                      | 115                               | 120                      |
|                                 | EIL04            | 35                                | 40                       | 35                                | 40                       | 65                                | 70                       | 25                                | 30                       | 25                                | 30                       | 50                                | 55                       |
| 40                              | HA31D8、R8        | 60                                | 65                       | 65                                | 70                       | 90                                | 95                       | 50                                | 55                       | 55                                | 60                       | 75                                | 80                       |
|                                 | HA41D8、R8        | 90                                | 95                       | 95                                | 100                      | 125                               | 130                      | 80                                | 85                       | 85                                | 90                       | 105                               | 110                      |
|                                 | EIL08            | 43                                | 48                       | 48                                | 53                       | 73                                | 78                       | 33                                | 38                       | 38                                | 43                       | 58                                | 63                       |
|                                 | M8610+L8210      | 90                                | 95                       | 95                                | 100                      | 120                               | 125                      | 80                                | 85                       | 85                                | 90                       | 105                               | 110                      |
| 50                              | HA31D8、R8        | 70                                | 80                       | 75                                | 85                       | 110                               | 120                      | 55                                | 65                       | 60                                | 70                       | 85                                | 95                       |
|                                 | HA41D8、R8        | 100                               | 110                      | 105                               | 115                      | 140                               | 150                      | 85                                | 95                       | 90                                | 100                      | 115                               | 125                      |
|                                 | EIL08            | 53                                | 63                       | 58                                | 68                       | 93                                | 103                      | 38                                | 48                       | 43                                | 53                       | 68                                | 98                       |
|                                 | M8610+L8210      | 100                               | 110                      | 105                               | 115                      | 140                               | 150                      | 85                                | 95                       | 90                                | 100                      | 115                               | 125                      |
| 80                              | HA31D8、R8        | 105                               | 115                      | 140                               | 160                      | 225                               | 245                      | 85                                | 95                       | 110                               | 130                      | 170                               | 190                      |
|                                 | HA41D8、R8        | 135                               | 145                      | 170                               | 190                      | 255                               | 275                      | 115                               | 125                      | 140                               | 160                      | 200                               | 220                      |
|                                 | EIL20            | 87                                | 97                       | 122                               | 142                      | 207                               | 227                      | 67                                | 77                       | 92                                | 112                      | 152                               | 172                      |
|                                 | M8620+L8220      | 135                               | 145                      | 170                               | 190                      | 255                               | 275                      | 115                               | 125                      | 140                               | 160                      | 200                               | 220                      |
| 100                             | HA31D8、R8        | 135                               | 160                      | 195                               | 225                      | 315                               | 345                      | 105                               | 130                      | 155                               | 185                      | 230                               | 260                      |
|                                 | HA41D8、R8        | 165                               | 190                      | 225                               | 255                      | 345                               | 375                      | 135                               | 160                      | 185                               | 215                      | 260                               | 290                      |
|                                 | HV61SR5          | 305                               | 330                      | 365                               | 395                      | 485                               | 515                      | 275                               | 300                      | 325                               | 355                      | 400                               | 430                      |
|                                 | EIL20            | 117                               | 142                      | 177                               | 207                      | 297                               | 327                      | 87                                | 112                      | 137                               | 167                      | 212                               | 382                      |
|                                 | M8620+L8220      | 165                               | 190                      | 225                               | 255                      | 345                               | 375                      | 135                               | 160                      | 185                               | 215                      | 260                               | 290                      |
|                                 |                  |                                   |                          |                                   |                          |                                   |                          |                                   |                          |                                   |                          |                                   |                          |
| 150                             | HA31D8、R8        | 345                               | 380                      | 525                               | 570                      | 875                               | 915                      | 285                               | 320                      | 435                               | 480                      | 660                               | 700                      |
|                                 | HA41D8、R8        | 395                               | 410                      | 555                               | 600                      | 905                               | 945                      | 315                               | 350                      | 465                               | 510                      | 690                               | 730                      |
|                                 | HV61SR5          | 515                               | 550                      | 695                               | 740                      | 1045                              | 1085                     | 455                               | 490                      | 605                               | 650                      | 830                               | 870                      |
|                                 | HV51D00          | 390                               | 425                      | 570                               | 615                      | 920                               | 960                      | 330                               | 365                      | 480                               | 525                      | 705                               | 745                      |
|                                 | EIL20            | 347                               | 362                      | 507                               | 552                      | 857                               | 897                      | 267                               | 302                      | 417                               | 462                      | 642                               | 682                      |
|                                 | M8620+L8220      | 395                               | 410                      | 555                               | 600                      | 905                               | 945                      | 315                               | 350                      | 465                               | 510                      | 690                               | 730                      |
| 200                             | HA41D8、R8        | 633                               | 678                      | 1065                              | 1115                     | 1500                              | 1545                     | 535                               | 580                      | 910                               | 958                      | 1193                              | 1240                     |
|                                 | HA51DX、RX        | 1080                              | 1180                     | 1215                              | 1265                     | 1650                              | 1695                     | 685                               | 730                      | 1060                              | 1100                     | 1345                              | 1390                     |
|                                 | HV61D00          | 970                               | 1070                     | 1155                              | 1025                     | 1590                              | 1635                     | 625                               | 670                      | 1000                              | 1050                     | 1285                              | 1330                     |
|                                 | EIL25            | 585                               | 630                      | 1017                              | 1067                     | 1452                              | 1497                     | 487                               | 532                      | 862                               | 910                      | 1145                              | 1192                     |
|                                 | M8620+L8230      | 653                               | 698                      | 1265                              | 1315                     | 1520                              | 1565                     | 555                               | 600                      | 930                               | 978                      | 1213                              | 1260                     |
| 250                             | HA51DX、RX        | 1565                              | 1665                     | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        |
|                                 | HV71D00          | 1680                              | 1780                     | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        |
|                                 | EIL25            | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        |
|                                 | M8620+L8230      | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        |
| 300                             | HA51DX、RX        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        |
|                                 | HV71D00          | 2200                              | —                        | 3200                              | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        |
|                                 | EIL25            | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        |
|                                 | M8620+L8230      | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        | —                                 | —                        |

Chongqing Chuanyi control Valve Co., Ltd.,`

[illegible]

HKG-10100 Class150~Class600, PN16~PN110

kg

| 公称<br>通径<br>Nomi<br>nal<br>diame<br>ter | 执行机构<br>Actuator | 法兰连接<br>Flange connection |     |     |                            |     |     |                      |     |     | 焊接连接<br>Welding connection            |     |     |
|-----------------------------------------|------------------|---------------------------|-----|-----|----------------------------|-----|-----|----------------------|-----|-----|---------------------------------------|-----|-----|
|                                         |                  | Class 150<br>JIS 10K      |     |     | Class 300<br>JIS 16、20、30K |     |     | Class 600<br>JIS 40K |     |     | Class 150、300、600<br>JIS 10、16、20、30K |     |     |
|                                         |                  | P                         | EI  | EII | P                          | EI  | EII | P                    | EI  | EII | P                                     | EI  | EII |
| 40                                      | HA21D8、R8        | 31                        | 34  | 37  | 36                         | 39  | 42  | 44                   | 47  | 50  | 36                                    | 39  | 42  |
|                                         | HA31D8、R8        | 43                        | 46  | 49  | 48                         | 51  | 54  | 56                   | 59  | 62  | 48                                    | 51  | 54  |
|                                         | EIL04            | 23                        | 26  | 29  | 27                         | 31  | 34  | 36                   | 39  | 42  | 28                                    | 31  | 33  |
| 50                                      | HA21D8、R8        | 37                        | 40  | 43  | 42                         | 45  | 48  | 47                   | 50  | 53  | 42                                    | 45  | 48  |
|                                         | HA31D8、R8        | 49                        | 52  | 55  | 54                         | 57  | 60  | 59                   | 62  | 65  | 54                                    | 57  | 60  |
|                                         | EIL04            | 29                        | 32  | 35  | 33                         | 37  | 40  | 42                   | 45  | 48  | 34                                    | 51  | 54  |
| 65                                      | HA21D8、R8        | 43                        | 47  | 51  | 48                         | 52  | 56  | 65                   | 69  | 73  | 48                                    | 52  | 56  |
|                                         | HA31D8、R8        | 55                        | 59  | 63  | 60                         | 64  | 68  | 77                   | 81  | 85  | 60                                    | 64  | 68  |
|                                         | HA41D8、R8        | 86                        | 90  | 94  | 91                         | 95  | 99  | 108                  | 112 | 116 | 91                                    | 95  | 99  |
|                                         | EIL08            | 39                        | 43  | 47  | 44                         | 48  | 52  | 61                   | 65  | 69  | 44                                    | 48  | 52  |
|                                         | M8610+L8210      | 61                        | 65  | 69  | 66                         | 70  | 74  | 83                   | 87  | 91  | 66                                    | 70  | 73  |
| 80                                      | HA21D8、R8        | 53                        | 59  | 65  | 63                         | 69  | 75  | 85                   | 91  | 97  | 63                                    | 69  | 75  |
|                                         | HA31D8、R8        | 65                        | 71  | 77  | 75                         | 81  | 87  | 97                   | 103 | 109 | 75                                    | 81  | 87  |
|                                         | HA41D8、R8        | 96                        | 102 | 108 | 106                        | 112 | 118 | 128                  | 134 | 140 | 106                                   | 112 | 118 |
|                                         | EIL08            | 49                        | 55  | 51  | 59                         | 65  | 61  | 81                   | 87  | 93  | 59                                    | 65  | 61  |
|                                         | M8610+L8210      | 71                        | 77  | 83  | 81                         | 75  | 81  | 103                  | 109 | 115 | 81                                    | 87  | 93  |
| 100                                     | HA21D8、R8        | 63                        | 73  | 78  | 78                         | 88  | 93  | 113                  | 123 | 128 | 75                                    | 85  | 90  |
|                                         | HA31D8、R8        | 75                        | 85  | 90  | 90                         | 100 | 105 | 125                  | 135 | 140 | 87                                    | 97  | 102 |
|                                         | HA41D8、R8        | 106                       | 116 | 121 | 121                        | 131 | 136 | 156                  | 166 | 171 | 118                                   | 128 | 133 |
|                                         | HV61SR5          | 248                       | 258 | 263 | 263                        | 273 | 278 | 298                  | 308 | 313 | 260                                   | 270 | 275 |
|                                         | HV51D00          | 123                       | 133 | 138 | 138                        | 148 | 153 | 173                  | 183 | 188 | 135                                   | 145 | 150 |
|                                         | EIL08            | 59                        | 69  | 74  | 74                         | 84  | 89  | 109                  | 119 | 124 | 71                                    | 81  | 86  |
|                                         | M8610+L8210      | 81                        | 91  | 96  | 96                         | 106 | 111 | 131                  | 141 | 146 | 93                                    | 103 | 108 |
|                                         |                  |                           |     |     |                            |     |     |                      |     |     |                                       |     |     |
| 125                                     | HA31D8、R8        | 143                       | 158 | 165 | 168                        | 183 | 190 | 218                  | 233 | 240 | 155                                   | 170 | 177 |
|                                         | HA41D8、R8        | 174                       | 189 | 196 | 199                        | 214 | 221 | 249                  | 264 | 271 | 186                                   | 201 | 208 |
|                                         | HV61SR5          | 316                       | 331 | 338 | 341                        | 356 | 363 | 391                  | 406 | 413 | 328                                   | 343 | 350 |
|                                         | HV51D00          | 191                       | 206 | 213 | 216                        | 231 | 238 | 266                  | 281 | 288 | 203                                   | 218 | 225 |
|                                         | HV61D00          | 266                       | 281 | 288 | 291                        | 306 | 313 | 341                  | 356 | 363 | 278                                   | 293 | 300 |
|                                         | HV71D00          | 376                       | 391 | 398 | 401                        | 416 | 423 | 451                  | 466 | 473 | 388                                   | 403 | 410 |
|                                         | EIL08            | 127                       | 142 | 149 | 152                        | 167 | 174 | 202                  | 217 | 224 | 139                                   | 154 | 161 |
|                                         | M8620+L8220      | 149                       | 164 | 171 | 174                        | 189 | 196 | 224                  | 239 | 246 | 161                                   | 176 | 183 |
| 150                                     | HA31D8、R8        | 157                       | 172 | 179 | 187                        | 202 | 209 | 237                  | 252 | 259 | 177                                   | 192 | 199 |
|                                         | HA41D8、R8        | 188                       | 203 | 210 | 218                        | 233 | 240 | 268                  | 283 | 290 | 208                                   | 223 | 230 |
|                                         | HV61SR5          | 330                       | 345 | 352 | 360                        | 375 | 382 | 410                  | 425 | 432 | 350                                   | 365 | 372 |
|                                         | HV51D00          | 205                       | 220 | 227 | 235                        | 250 | 257 | 285                  | 300 | 307 | 225                                   | 240 | 247 |
|                                         | HV61D00          | 280                       | 295 | 302 | 310                        | 325 | 332 | 360                  | 375 | 382 | 300                                   | 315 | 322 |
|                                         | HV71D00          | 390                       | 405 | 412 | 420                        | 435 | 442 | 470                  | 485 | 492 | 410                                   | 425 | 432 |
|                                         | EIL08            | 141                       | 156 | 163 | 171                        | 186 | 193 | 221                  | 236 | 243 | 161                                   | 176 | 183 |
|                                         | M8620+L8220      | 163                       | 178 | 185 | 193                        | 208 | 215 | 243                  | 258 | 265 | 183                                   | 198 | 205 |
| 200                                     | HA41D8、R8        | 268                       | 288 | 298 | 318                        | 338 | 348 | 438                  | 458 | 468 | 308                                   | 328 | 338 |
|                                         | HV51D00          | 285                       | 305 | 315 | 335                        | 355 | 365 | 455                  | 475 | 485 | 325                                   | 345 | 355 |
|                                         | HV61D00          | 360                       | 380 | 390 | 410                        | 430 | 440 | 530                  | 550 | 560 | 400                                   | 420 | 430 |
|                                         | HV71D00          | 470                       | 490 | 500 | 520                        | 540 | 550 | 640                  | 660 | 670 | 510                                   | 530 | 540 |
|                                         | M8620+L8220      | 248                       | 268 | 279 | 298                        | 318 | 328 | 418                  | 438 | 448 | 288                                   | 308 | 318 |

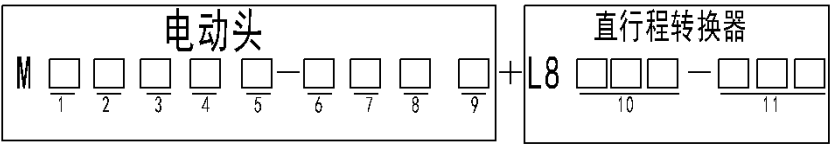
HKG-10100    Class900~Class2500, PN150~PN420kg

| 公称<br>通径<br>Nominal<br>diamete<br>r | 执行机构<br>Actuator | 法兰连接<br>Flange connection                           |                                             |                                                     |                                              |                                                     |                                              | 焊接连接<br>Welding connection                          |                                              |                                                     |                                             |                                                     |                                             |
|-------------------------------------|------------------|-----------------------------------------------------|---------------------------------------------|-----------------------------------------------------|----------------------------------------------|-----------------------------------------------------|----------------------------------------------|-----------------------------------------------------|----------------------------------------------|-----------------------------------------------------|---------------------------------------------|-----------------------------------------------------|---------------------------------------------|
|                                     |                  | Class 900    JIS63K                                 |                                             | Class 1500                                          |                                              | Class 2500                                          |                                              | Class 900    JIS63K                                 |                                              | Class 1500                                          |                                             | Class 2500                                          |                                             |
|                                     |                  | 常温型<br>(P)<br>Normal<br>Tempera<br>ture<br>Type (P) | 伸长I型<br>(EI)<br>Extension<br>Type I<br>(EI) | 常温型<br>(P)<br>Normal<br>Temper<br>ature<br>Type (P) | 伸长I型<br>(EI)<br>Extensio<br>n Type I<br>(EI) | 常温型<br>(P)<br>Normal<br>Temper<br>ature<br>Type (P) | 伸长I型<br>(EI)<br>Extensio<br>n Type I<br>(EI) | 常温型<br>(P)<br>Normal<br>Temper<br>ature<br>Type (P) | 伸长I型<br>(EI)<br>Extensio<br>n Type I<br>(EI) | 常温型<br>(P)<br>Normal<br>Temper<br>ature<br>Type (P) | 伸长I型<br>(EI)<br>Extension<br>Type I<br>(EI) | 常温型<br>(P)<br>Normal<br>Temper<br>ature<br>Type (P) | 伸长I型<br>(EI)<br>Extension<br>Type I<br>(EI) |
|                                     |                  |                                                     |                                             |                                                     |                                              |                                                     |                                              |                                                     |                                              |                                                     |                                             |                                                     |                                             |
| 40                                  | HA31D8、R8        | 60(55)                                              | 65(60)                                      | 65                                                  | 70                                           | 90                                                  | 95                                           | 50                                                  | 55                                           | 55                                                  | 60                                          | 75                                                  | 80                                          |
|                                     | HA41D8、R8        | 90(85)                                              | 95(90)                                      | 95                                                  | 100                                          | 125                                                 | 130                                          | 80                                                  | 85                                           | 85                                                  | 90                                          | 105                                                 | 110                                         |
|                                     | EIL08            | 43                                                  | 48                                          | 48                                                  | 53                                           | 73                                                  | 78                                           | 33                                                  | 38                                           | 38                                                  | 43                                          | 58                                                  | 63                                          |
|                                     | M8610+L8210      | 90                                                  | 95                                          | 95                                                  | 100                                          | 120                                                 | 125                                          | 80                                                  | 85                                           | 85                                                  | 90                                          | 105                                                 | 110                                         |
| 50                                  | HA31D8、R8        | 70(65)                                              | 80(75)                                      | 75                                                  | 85                                           | 110                                                 | 120                                          | 55                                                  | 65                                           | 60                                                  | 70                                          | 85                                                  | 95                                          |
|                                     | HA41D8、R8        | 100(95)                                             | 110(105)                                    | 105                                                 | 115                                          | 140                                                 | 150                                          | 85                                                  | 95                                           | 90                                                  | 100                                         | 115                                                 | 125                                         |
|                                     | EIL08            | 53                                                  | 63                                          | 58                                                  | 68                                           | 93                                                  | 103                                          | 38                                                  | 48                                           | 43                                                  | 53                                          | 68                                                  | 98                                          |
|                                     | M8610+L8210      | 100                                                 | 110                                         | 105                                                 | 115                                          | 140                                                 | 150                                          | 85                                                  | 95                                           | 90                                                  | 100                                         | 115                                                 | 125                                         |
| 80                                  | HA31D8、R8        | 105(100)                                            | 115(110)                                    | 140                                                 | 160                                          | 225                                                 | 245                                          | 85                                                  | 95                                           | 110                                                 | 130                                         | 170                                                 | 190                                         |
|                                     | HA41D8、R8        | 135(130)                                            | 145(140)                                    | 170                                                 | 190                                          | 255                                                 | 275                                          | 115                                                 | 125                                          | 140                                                 | 160                                         | 200                                                 | 220                                         |
|                                     | EIL20            | 87                                                  | 97                                          | 122                                                 | 142                                          | 207                                                 | 227                                          | 67                                                  | 77                                           | 92                                                  | 112                                         | 152                                                 | 172                                         |
|                                     | M8620+L8220      | 135(130)                                            | 145(140)                                    | 170                                                 | 190                                          | 255                                                 | 275                                          | 115                                                 | 125                                          | 140                                                 | 160                                         | 200                                                 | 220                                         |
| 100                                 | HA31D8、R8        | 135(125)                                            | 160(150)                                    | 195                                                 | 225                                          | 315                                                 | 345                                          | 105                                                 | 130                                          | 155                                                 | 185                                         | 230                                                 | 260                                         |
|                                     | HA41D8、R8        | 165(155)                                            | 190(180)                                    | 225                                                 | 255                                          | 345                                                 | 375                                          | 135                                                 | 160                                          | 185                                                 | 215                                         | 260                                                 | 290                                         |
|                                     | HV61SR5          | 305(295)                                            | 330(320)                                    | 365                                                 | 395                                          | 485                                                 | 515                                          | 275                                                 | 300                                          | 325                                                 | 355                                         | 400                                                 | 430                                         |
|                                     | EIL20            | 117                                                 | 142                                         | 177                                                 | 207                                          | 297                                                 | 327                                          | 87                                                  | 112                                          | 137                                                 | 167                                         | 212                                                 | 382                                         |
| 150                                 | M8620+L8220      | 165(155)                                            | 190(180)                                    | 225                                                 | 255                                          | 345                                                 | 375                                          | 135                                                 | 160                                          | 185                                                 | 215                                         | 260                                                 | 290                                         |
|                                     | HA31D8、R8        | 345(330)                                            | 380(365)                                    | 525                                                 | 570                                          | 875                                                 | 915                                          | 285                                                 | 320                                          | 435                                                 | 480                                         | 660                                                 | 700                                         |
|                                     | HA41D8、R8        | 395(360)                                            | 410(395)                                    | 555                                                 | 600                                          | 905                                                 | 945                                          | 315                                                 | 350                                          | 465                                                 | 510                                         | 690                                                 | 730                                         |
|                                     | HV61SR5          | 515(500)                                            | 550(535)                                    | 695                                                 | 740                                          | 1045                                                | 1085                                         | 455                                                 | 490                                          | 605                                                 | 650                                         | 830                                                 | 870                                         |
| 200                                 | HV51D00          | 390(375)                                            | 425(410)                                    | 570                                                 | 615                                          | 920                                                 | 960                                          | 330                                                 | 365                                          | 480                                                 | 525                                         | 705                                                 | 745                                         |
|                                     | EIL20            | 347                                                 | 362                                         | 507                                                 | 552                                          | 857                                                 | 897                                          | 267                                                 | 302                                          | 417                                                 | 462                                         | 642                                                 | 682                                         |
|                                     | M8620+L8220      | 395(360)                                            | 410(395)                                    | 555                                                 | 600                                          | 905                                                 | 945                                          | 315                                                 | 350                                          | 465                                                 | 510                                         | 690                                                 | 730                                         |
|                                     | HA41D8、R8        | 633(598)                                            | 678(643)                                    | 1065                                                | 1115                                         | 1500                                                | 1545                                         | 535                                                 | 580                                          | 910                                                 | 958                                         | 1193                                                | 1240                                        |
| 2500                                | HA51D8、R8        | 1080                                                | 1180                                        | 1215                                                | 1265                                         | 1650                                                | 1695                                         | 685                                                 | 730                                          | 1060                                                | 1100                                        | 1345                                                | 1390                                        |
|                                     | HV61D00          | 970                                                 | 1070                                        | 1155                                                | 1025                                         | 1590                                                | 1635                                         | 625                                                 | 670                                          | 1000                                                | 1050                                        | 1285                                                | 1330                                        |
|                                     | EIL25            | 585                                                 | 630                                         | 1017                                                | 1067                                         | 1452                                                | 1497                                         | 487                                                 | 532                                          | 862                                                 | 910                                         | 1145                                                | 1192                                        |
|                                     | M8620+L8230      | 653                                                 | 698                                         | 1265                                                | 1315                                         | 1520                                                | 1565                                         | 555                                                 | 600                                          | 930                                                 | 978                                         | 1213                                                | 1260                                        |



M 系列型号编码规则

Coding Rules for M-series Model



电动头 Electric head

直行程转换器 Straight stroke converter

型号规则：（1）输出形式

Model rule: (1) Output form

8—8000 多转型

8-8000 multi transformation type

0—小转矩 90° 型

0- Pull-up torque 90°

1—小推力直行程

1-Small thrust straight stroke

（2）控制模块：

(2) Control module:

1—简单开关型（MCC）

1- Simple switch type (MCC)

2—开关量控制

2- Switching value control

3—智能开关型

3- Intelligent switch type

4—智能调节型

4- Intelligent adjustment type

5—变频开关型

5- Variable frequency switch type

6—变频调节型

6-Variable frequency regulation type

（3）输出力矩：

(3) Output torque:

1—50N.m 或 100N.m/90°

1-50N. m or 100N. m/90°

2—100N.m 或 200N.m/90°

2-100N. m or 200N. m/90°

3—200N.m 或 300N.m/90°

3-200N. m or 300N. m/90°

4—400N.m

5—600N.m

6—1000N.m.或 600N.m/90°

6-1000N. m. or 600N. m/90°

7—1600N.m~2500N.m

（5）防爆等级要求：

(5) Explosion proof level requirements:

无—没有要求

None - no requirements

d—Ex dIIBT4

D—Ex dibIICT4

（6）环境温度

(6) Environmental temperature

0—常温

0-Normal temperature

E—低温

E - Low temperature

G—高温

G - High temperature

（7）电源：

(7) Power supply:

0—380V/3PH

S—220V/1PH

B—24 V d.c.

U—12 Vd.c.

X—440V~460V/3PH

（8）通信协议：

(8) Communication protocol:

0—无

0- None

r—红外

r - Infrared

w—无线

w - Wireless

p—Profibus 现场总线（2p 为双通道）

p - Profibus fieldbus (2p is a dual channel)

m—Modbus 现场总线

m - Modbus fieldbus

f—FF 现场总线