

# Gate Valve Series

## 闸阀系列



**河南泉舜流体控制科技有限公司**  
HENAN QUANSHUN FLOW CONTROL SCIENCE & TECHNOLOGY CO.,LTD.



泉舜流控 阀门专家  
QUANSHUN VALVE EXPERT

# Products List

## 产品目录

阀门选型指南/How to order.....01

### 国标闸阀系列/GB Gate Valve Series

国标楔式闸阀/GB Wedge gate valve.....02-07

无导流孔平板闸阀/Flat gate valve without diversion hole.....08-09

电站闸阀/Power station gate valve.....10-11

### 美标闸阀系列/API Gate Valve Series

美标铸钢闸阀/API Cast steel gate valve.....12-18

不锈钢闸阀/Stainless steel gate valve.....19

平板闸阀/Flat gate valve.....20-30

### 其它闸阀系列/Other Gate Valve Series

油田专用平板闸阀/Flat gate valve for petroleum.....31

水封闸阀/Water sealed gate valves.....32

DKZ44H/64Y真空隔断手动闸阀/Vacuum partition manual gate valve.....33-34

浆液阀/Slurry valve.....35

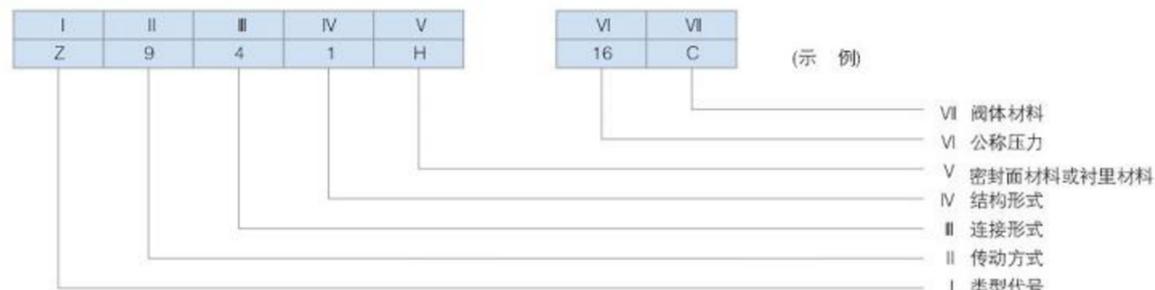
手动刀型闸阀/Manual knife gate valve.....36

低温闸阀/Low temperature gate valve.....37-38

明杆弹性座封闸阀/Rising stem flexible gate valve.....39

大口径弹性座封闸阀/Large diameter flexible gate valve.....40

### 十 阀门选型指南/How to order



| 代 号        | 0         | 1       | 2      | 3     | 4      | 5    | 6      | 7    | 8         | 9     |      |
|------------|-----------|---------|--------|-------|--------|------|--------|------|-----------|-------|------|
| II - 传动方式  | 电磁动       | 电磁-液动   | 电-液动   | 蜗轮    | 正齿轮    | 锥齿轮  | 气动     | 液动   | 气-液动      | 电动    |      |
| III - 连接形式 |           | 内螺纹     | 外螺纹    |       | 法兰     |      | 焊接     | 对夹   | 卡箍        | 卡套    |      |
| I - 类型代号   | IV - 结构形式 |         |        |       |        |      |        |      |           |       |      |
| 闸 阀        | Z         | 明 杆     |        |       |        | 暗 杆  |        |      |           |       |      |
|            |           | 楔 式     |        | 平行式   |        | 楔 式  |        | 平行式  |           |       |      |
| 截止阀        | J         | 弹性闸阀    |        |       |        |      |        |      |           |       |      |
|            |           | 单闸板     |        | 双闸板   |        | 单闸板  |        | 双闸板  |           | 单闸板   |      |
| 节流阀        | L         | 刚 性     |        |       |        |      |        |      |           |       |      |
| 柱塞阀        | U         | 直通式     |        | Z型式   | 三通式    | 角式   | 直流式    | 平 衡  |           | -     | -    |
|            |           | 直通式     |        | 三通式   | 角式     | 直流式  | 直通式    | 直角式  |           |       |      |
| 球 阀        | Q         | 浮动球     |        |       |        |      | 固定式    |      |           |       |      |
|            |           | 直通式     | 三通式 Y形 | -     | 三通式 Y形 | T形   | 四通式    | 直通式  | 三通式 T形 Y形 |       |      |
| 蝶 阀        | D         | 非密封型    |        |       |        |      |        |      |           |       |      |
|            |           | 密封型     |        |       |        |      | 非密封型   |      |           |       |      |
| 隔膜阀        | G         | 中线式     |        | 单偏心   | 双偏心    | 连杆机构 | 三偏心    | 中线式  | 单偏心       | 双偏心   | 连杆机构 |
|            |           | 屋脊式     |        | -     | 截止式    | -    | 直流式    | 直通式  | -         | 角式 Y形 | -    |
| 旋塞阀        | X         | 填料密封    |        |       |        |      |        |      |           |       |      |
|            |           | 直通式     |        | T形三通式 | 四通式    | 油密封  |        | 直通式  | T形三通式     |       |      |
| 止回阀        | H         | 升降式     |        |       |        |      | 旋启式    |      |           |       |      |
|            |           | 直通式     | 立式     | 角式    | 单瓣式    | 双瓣式  | 多瓣式    | 回转蝶形 | 截止止回      |       |      |
| 安全阀        | A         | 弹簧封闭    |        |       |        |      |        |      |           |       |      |
|            |           | 带散热片全启式 |        | 微启式   | 全启式    | 带扳手  |        | 杠杆式  | 带控制全启式    |       | 带扳手  |
| 减压阀        | Y         | 薄膜式     |        | 弹簧薄膜式 | 活塞式    | 波纹管式 | 杠杆式    | -    | -         | -     | -    |
|            |           | 薄膜式     |        | 弹簧薄膜式 | 活塞式    | 波纹管式 | 杠杆式    | -    | -         | -     | -    |
| 疏水阀        | S         | 浮球式     |        | -     | 浮桶式    | 膨胀式  | 钟形浮子式  | 膜盒式  | 双金属片式     | 脉冲式   | 热动力式 |
|            |           | 浮球式     |        | -     | 浮桶式    | 膨胀式  | 钟形浮子式  | 膜盒式  | 双金属片式     | 脉冲式   | 热动力式 |
| 排污阀        | P         | 液面连续排放  |        |       |        |      | 液面间断排放 |      |           |       |      |
|            |           | 直通式     |        | 角式    | -      | -    | 直流式    | 直通式  | 角式        | 浮动闸板型 |      |

VI - 公称压力 公称通径的数值用10倍的帕 (MPa) 数表示; 用于电站工业的阀门, 当介质最高温度超过425℃时, 标注工作压力。

| V - 阀座密封面或衬里材料 | 代号 | V - 阀座材料  | 代号 |
|----------------|----|-----------|----|
| 巴氏合金           | B  | 尼龙塑料      | N  |
| 搪瓷             | C  | 渗碳钢       | P  |
| 渗氮钢            | D  | 衬铅        | Q  |
| 氟塑料            | F  | Mo2Ti系不锈钢 | R  |
| 陶瓷             | G  | 塑料        | S  |
| Cr13系不锈钢       | H  | 铜合金       | T  |
| 衬胶             | J  | 橡胶        | X  |
| 蒙乃尔合金          | M  | 硬质合金      | Y  |

| VI - 阀体材料 | 代号 | VII - 阀体材料 | 代号 |
|-----------|----|------------|----|
| 钛及钛合金     | TI | 球墨铸铁       | Q  |
| 碳钢        | C  | Mo2Ti系不锈钢  | R  |
| Cr13系不锈钢  | H  | 塑料         | S  |
| 铬钼钢       | I  | 铜及铜合金      | T  |
| 可锻铸铁      | K  | 铬钼钒钢       | V  |
| 铝合金       | L  | 灰铸铁        | Z  |
| 18-8系不锈钢  | P  |            |    |

注: 1、由阀门直接加工的阀座密封面材料代号用“W”表示;  
2、除隔膜阀外, 当密封材料不同时, 用低硬度材料代号表示。

注: 1、PN ≤ 1.6MPa的灰铸铁阀体和和PN ≥ 2.5MPa的碳素钢阀体材料可省略本代号;  
2、CF3、CF8、CF3M、CF8M等材料牌号可直接标注在阀体上。

# GB Gate Valve Series

## 国标闸阀系列

Keeping pace with the times  
Reviving upon science & technology  
与时俱进 / 科技兴业……



## 国标楔式闸阀 GB Wedge gate valve

### 产品特点/Product characteristic

闸阀具有流体阻力小,密封面受冲击侵蚀小,不改变介质流向,不扰流,压降小等特点,适用的压力、温度范围广,是一种常见的截断阀,广泛适用于石油,化工、火力发电厂等油品,水蒸气管路上接通或截断管路中的介质。(不可做节流阀使用)

Featured by low fluid resistance, little impact erosion on sealing surface, no change of medium flow direction, no disturbed flow, small pressure drop and etc, gate valve is a commonly-used cutout valve, applicable for a wide range of pressure and temperature, and widely used to put through or cut off the medium in oil or steam pipeline in the industries of petroleum, chemicals, thermal power plants and etc, (It cannot be used as throttle valve.)

### GB楔式闸阀的主要结构特征/Design characteristics of GB wedge gate valve

驱动装置根据客户的要求提供,未指明的情况下,采用手轮驱动。

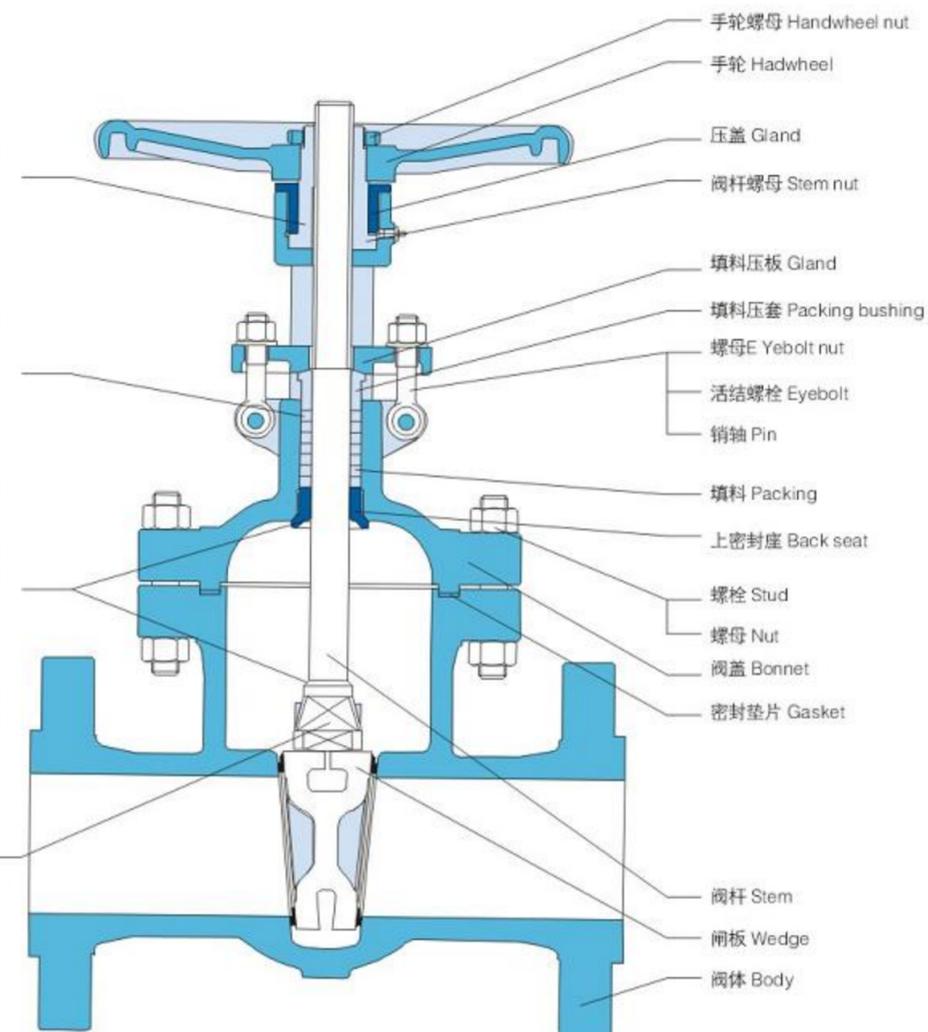
Drive device is supplied according to user's requests. If not specified, handwheel drive will be used.

上装式阀杆螺母使阀门在开启位置,即使卸下手轮,阀杆闸板不会不落。  
Top-entry stem nut can prevent stem disc from falling off when valve is at 'open' position and handwheel is taken off.

填料采用柔性石墨材料,密封性能可靠。用户有要求时可提供填料隔环和注油脂结构。  
Packing uses flexible graphite for dependable sealing performance. If requested by users, packing spacer ring and greasing mechanism can be available.

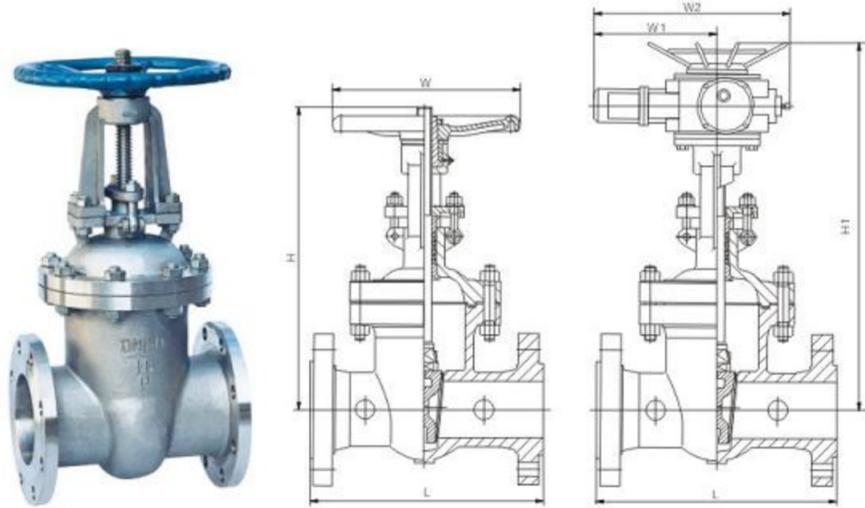
阀门上密封的设计,全开时可保证填料,密封可靠。(不推荐带压更换填料)  
Upper seal design to ensure dependable packing and sealing when valve is fully opened. (Replacement of packing under pressure is not recommended).

升降式阀杆,阀杆与闸板采用T型槽连接,阀杆T型头部整体锻造成型,保证了足够的连接强度。  
Lift stem, with stem and disc connected by t-slot, and stem T head integrally forged to ensure sufficient strength of joint.





压力Pressure:PN 1.6-6.4



- 检修阀盖
- DN50以下刚性闸板
- DN50以上弹性闸板
- DN150以上采用分体式支架
- PN≥40, 法兰面为凹凸面
- Bolted bonnet
- <DN50 Rigid gate valve
- ≥DN50 Flexible gate valve
- DN150 And above: two pieces yoke
- PN≥40, MFM Flange

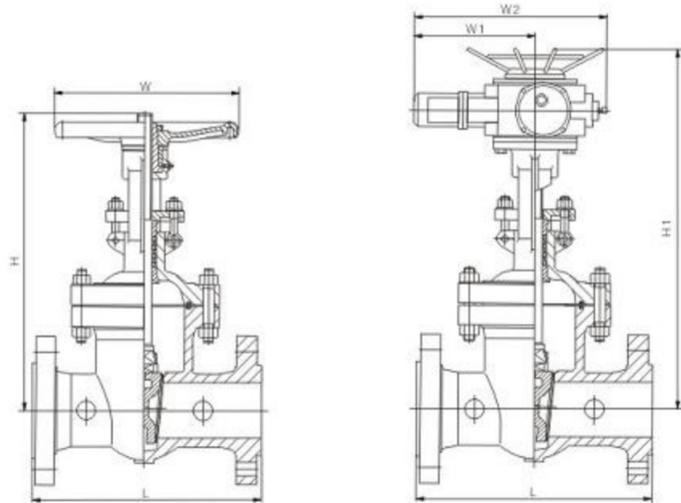
**主要外形尺寸和重量/Main outline dimensions & weight**

| 压力<br>Pressure | 规格<br>Size | 尺寸 Dimensions |      |      |      |      |          | 电装<br>Operator | 重量Weight (kg)      |                        | 扭矩(N.m)<br>Torque | Cv值   |
|----------------|------------|---------------|------|------|------|------|----------|----------------|--------------------|------------------------|-------------------|-------|
|                |            | L             | H    | W    | H1   | W1   | W2       |                | 手动Hand<br>operated | 电动Electric<br>operated |                   |       |
| PN1.6          | 15         | 130           | 170  | 120  | -    | -    | -        | -              | 5                  | -                      | -                 | -     |
|                | 20         | 150           | 190  | 140  | -    | -    | -        | -              | 6.5                | -                      | -                 | -     |
|                | 25         | 160           | 205  | 160  | -    | -    | -        | -              | 9                  | -                      | -                 | -     |
|                | 32         | 180           | 270  | 180  | -    | -    | -        | -              | 12                 | -                      | -                 | -     |
|                | 40         | 200           | 310  | 200  | 630  | 371  | 590      | DZX5A          | 26.5               | 87.5                   | 28                | -     |
|                | 50         | 250           | 358  | 240  | 678  | 371  | 590      | DZX10A         | 29                 | 90                     | 30                | -     |
|                | 65         | 265           | 373  | 240  | 693  | 371  | 590      | DZX10A         | 33                 | 96                     | 63                | -     |
|                | 80         | 280           | 435  | 280  | 755  | 371  | 590      | DZX15A         | 46                 | 108                    | 77                | 747   |
|                | 100        | 300           | 500  | 320  | 820  | 371  | 590      | DZX20A         | 63                 | 126                    | 92                | 1275  |
|                | 125        | 325           | 614  | 360  | 934  | 371  | 590      | DZX20A         | 108                | 173                    | 119               | 2100  |
|                | 150        | 350           | 674  | 360  | 994  | 371  | 590      | DZX20A         | 134                | 199                    | 139               | 3061  |
|                | 200        | 400           | 818  | 400  | 1138 | 371  | 590      | DZX30A         | 192                | 254                    | 220               | 5635  |
|                | 250        | 450           | 969  | 450  | 1409 | 371  | 590      | DZX30A         | 273                | 310                    | 324               | 8356  |
|                | 300        | 500           | 1145 | 560  | 1588 | 515  | 810      | DZX45A         | 379                | 391                    | 444               | 13130 |
|                | 350        | 550           | 1280 | 640  | 1755 | 540  | 830      | DZX90A         | 590                | 729                    | 616               | 16900 |
|                | 400        | 600           | 1450 | 640  | 1902 | 540  | 830      | DZX120A        | 849                | 992                    | 885               | 22280 |
| 450            | 650        | 1563          | 720  | 2141 | 540  | 830  | DZX120A  | 907            | 1168               | 1123                   | 28850             |       |
| 500            | 700        | 1676          | 720  | 2276 | 565  | 870  | DZX180A  | 958            | 1222               | 1403                   | 35770             |       |
| 600            | 800        | 1810          | 800  | 2474 | 565  | 870  | DZX250A  | 1112           | 1376               | 2023                   | 52000             |       |
| 700            | 900        | -             | -    | 3046 | 770  | 1170 | DZX350A  | -              | -                  | 3035                   | 74750             |       |
| 800            | 1000       | -             | -    | 3250 | 770  | 1170 | DZX500A  | -              | -                  | 4373                   | 102240            |       |
| 900            | 1100       | -             | -    | 3509 | 794  | 1060 | DZX800A  | -              | -                  | 5821                   | 130765            |       |
| 1000           | 1200       | -             | -    | 3873 | 794  | 1060 | DZX1000A | -              | -                  | 7957                   | 174350            |       |

**主要外形尺寸和重量/Main outline dimensions & weight**

| 压力<br>Pressure | 规格<br>Size | 尺寸 Dimensions |      |      |      |      |          | 电动装置<br>Electric driving<br>device | 重量Weight (kg)      |                        | 扭矩(N.m)<br>Torque | Cv值   |
|----------------|------------|---------------|------|------|------|------|----------|------------------------------------|--------------------|------------------------|-------------------|-------|
|                |            | L             | H    | W    | H1   | W1   | W2       |                                    | 手动Hand<br>operated | 电动Electric<br>operated |                   |       |
| PN2.5          | 15         | 130           | 170  | 120  | -    | -    | -        | -                                  | 5.5                | -                      | -                 | -     |
|                | 20         | 150           | 190  | 140  | -    | -    | -        | -                                  | 7                  | -                      | -                 | -     |
|                | 25         | 160           | 205  | 160  | -    | -    | -        | -                                  | 11                 | -                      | -                 | -     |
|                | 32         | 180           | 270  | 180  | -    | -    | -        | -                                  | 14                 | -                      | -                 | -     |
|                | 40         | 200           | 310  | 200  | 630  | 371  | 590      | DZX5A                              | 20                 | 91                     | 30                | -     |
|                | 50         | 250           | 358  | 240  | 678  | 371  | 590      | DZX10A                             | 34                 | 95                     | 33                | -     |
|                | 65         | 265           | 373  | 240  | 693  | 371  | 590      | DZX10A                             | 36                 | 99                     | 68                | -     |
|                | 80         | 280           | 435  | 280  | 755  | 371  | 590      | DZX15A                             | 50                 | 113                    | 86                | 747   |
|                | 100        | 300           | 500  | 320  | 820  | 371  | 590      | DZX20A                             | 69                 | 132                    | 107               | 1275  |
|                | 125        | 325           | 614  | 360  | 934  | 371  | 590      | DZX20A                             | 116                | 181                    | 145               | 2100  |
|                | 150        | 350           | 674  | 360  | 994  | 371  | 590      | DZX20A                             | 141                | 206                    | 176               | 3061  |
|                | 200        | 400           | 818  | 400  | 1138 | 371  | 590      | DZX30A                             | 192                | 257                    | 213               | 5635  |
|                | 250        | 450           | 969  | 450  | 1409 | 515  | 810      | DZX30A                             | 207                | 317                    | 327               | 8356  |
|                | 300        | 500           | 1145 | 560  | 1588 | 515  | 810      | DZX45A                             | 400                | 412                    | 460               | 13130 |
|                | 350        | 550           | 1280 | 640  | 1750 | 540  | 830      | DZX90A                             | 631                | 750                    | 651               | 16900 |
|                | 400        | 600           | 1450 | 640  | 1902 | 540  | 830      | DZX120A                            | 900                | 1042                   | 947               | 22280 |
| 450            | 650        | 1563          | 720  | 2141 | 565  | 830  | DZX180A  | 1013                               | 1274               | 1213                   | 28850             |       |
| 500            | 700        | 1676          | 720  | 2276 | 565  | 870  | DZX180A  | 1166                               | 1420               | 1526                   | 35770             |       |
| 600            | 800        | 1810          | 800  | 2474 | 565  | 870  | DZX250A  | 1258                               | 1522               | 2325                   | 52000             |       |
| 700            | 900        | -             | -    | 3046 | 770  | 1170 | DZX350A  | -                                  | -                  | 3327                   | 74750             |       |
| 800            | 1000       | -             | -    | 3250 | 770  | 1170 | DZX500A  | -                                  | -                  | 4573                   | 102240            |       |
| 900            | 1100       | -             | -    | 3509 | 794  | 1060 | DZX800A  | -                                  | -                  | 6085                   | 130765            |       |
| 1000           | 1200       | -             | -    | 3873 | 794  | 1060 | DZX1000A | -                                  | -                  | 8580                   | 174350            |       |
| PN4.0          | 15         | 130           | 135  | 120  | -    | -    | -        | -                                  | 6                  | -                      | -                 | -     |
|                | 20         | 150           | 190  | 140  | -    | -    | -        | -                                  | 8                  | -                      | -                 | -     |
|                | 25         | 160           | 205  | 160  | -    | -    | -        | -                                  | 12                 | -                      | -                 | -     |
|                | 32         | 180           | 270  | 180  | -    | -    | -        | -                                  | 15                 | -                      | -                 | -     |
|                | 40         | 200           | 310  | 200  | 630  | 371  | 590      | DZX5A                              | 31                 | 92                     | 33                | -     |
|                | 50         | 250           | 371  | 280  | 691  | 371  | 590      | DZX10A                             | 34                 | 95                     | 37                | -     |
|                | 65         | 280           | 393  | 280  | 711  | 371  | 590      | DZX10A                             | 38                 | 102                    | 76                | -     |
|                | 80         | 310           | 455  | 320  | 775  | 371  | 590      | DZX15A                             | 51                 | 115                    | 107               | 747   |
|                | 100        | 350           | 551  | 360  | 871  | 371  | 590      | DZX20A                             | 81                 | 163                    | 139               | 1275  |
|                | 125        | 400           | 634  | 400  | 948  | 371  | 590      | DZX20A                             | 128                | 190                    | 166               | 2100  |
|                | 150        | 450           | 708  | 400  | 1028 | 371  | 590      | DZX20A                             | 155                | 219                    | 189               | 3061  |
|                | 200        | 550           | 858  | 450  | 1325 | 371  | 590      | DZX30A                             | 265                | 373                    | 284               | 5635  |
|                | 250        | 650           | 1015 | 560  | 1400 | 515  | 810      | DZX45A                             | 370                | 480                    | 448               | 8356  |
|                | 300        | 750           | 1201 | 640  | 1653 | 515  | 810      | DZX60A                             | 550                | 686                    | 563               | 13130 |
|                | 350        | 850           | 1308 | 640  | 1791 | 540  | 830      | DZX90A                             | 679                | 821                    | 887               | 16900 |
|                | 400        | 950           | 1483 | 720  | 2092 | 540  | 830      | DZX120A                            | 953                | 1214                   | 1138              | 22280 |
| 500            | 1150       | -             | -    | 2465 | 565  | 870  | DZX250A  | -                                  | 2150               | 1913                   | 35770             |       |
| 600            | 1350       | -             | -    | -    | 770  | 1170 | DZX350A  | -                                  | -                  | 3053                   | 52000             |       |
| 700            | 1450       | -             | -    | -    | 770  | 1170 | DZX500A  | -                                  | -                  | 4602                   | 74750             |       |
| 800            | 1650       | -             | -    | -    | 794  | 1060 | DZX800A  | -                                  | -                  | 6344                   | 102240            |       |
| PN6.4          | 15         | 170           | 140  | 100  | -    | -    | -        | -                                  | 7                  | -                      | -                 | -     |
|                | 20         | 190           | 140  | 100  | -    | -    | -        | -                                  | 9                  | -                      | -                 | -     |
|                | 25         | 210           | 215  | 180  | -    | -    | -        | -                                  | 12                 | -                      | -                 | -     |
|                | 32         | 230           | 270  | 180  | -    | -    | -        | -                                  | 16                 | -                      | -                 | -     |
|                | 40         | 240           | 345  | 200  | 665  | 371  | 590      | DZX10A                             | 32                 | 93                     | 38                | -     |
|                | 50         | 250           | 371  | 280  | 790  | 371  | 590      | DZX10A                             | 39                 | 102                    | 48                | -     |
|                | 65         | 280           | 393  | 280  | 840  | 371  | 590      | DZX15A                             | 43                 | 106                    | 103               | -     |
|                | 80         | 310           | 455  | 320  | 890  | 371  | 590      | DZX20A                             | 60                 | 123                    | 132               | 747   |
|                | 100        | 350           | 551  | 360  | 1020 | 371  | 590      | DZX20A                             | 89                 | 154                    | 181               | 1275  |
|                | 125        | 400           | 638  | 400  | 1100 | 371  | 590      | DZX30A                             | 140                | 205                    | 237               | 2100  |
|                | 150        | 450           | 718  | 450  | 1290 | 515  | 810      | DZX45A                             | 207                | 317                    | 312               | 3061  |
|                | 200        | 550           | 873  | 560  | 1475 | 515  | 810      | DZX60A                             | 327                | 437                    | 457               | 5635  |
|                | 250        | 650           | 1050 | 640  | 1500 | 540  | 830      | DZX90A                             | 467                | 606                    | 735               | 8356  |
|                | 300        | 750           | 1215 | 640  | 1820 | 540  | 830      | DZX120A                            | 590                | 732                    | 1179              | 13130 |
|                | 350        | 850           | -    | -    | 2216 | 565  | 870      | DZX180A                            | -                  | 1110                   | 1261              | 16900 |
|                | 400        | 950           | -    | -    | 2838 | 565  | 870      | DZX180A                            | -                  | 1540                   | 1754              | 22280 |
| 500            | 1150       | -             | -    | 3320 | 565  | 870  | DZX250A  | -                                  | -                  | 2416                   | 35770             |       |
| 600            | 1350       | -             | -    | 3684 | 770  | 1170 | DZX500A  | -                                  | -                  | 4317                   | 52000             |       |

压力Pressure:PN 10.0-20.0



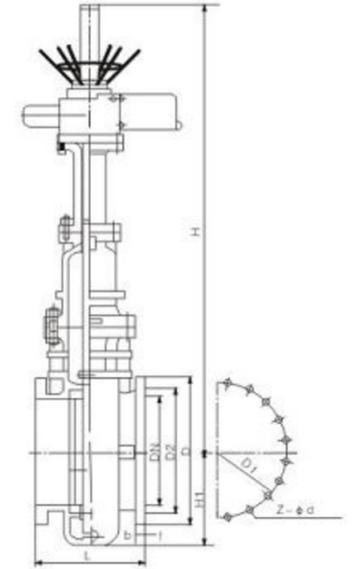
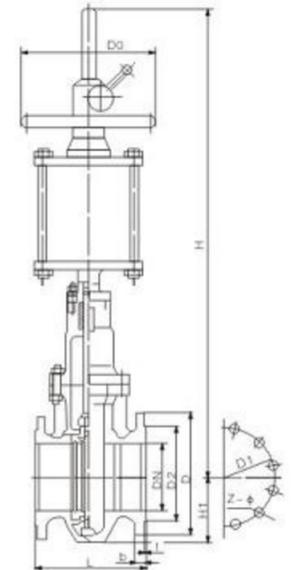
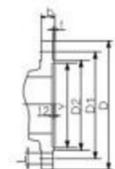
- 栓接阀盖或自密封阀盖
- DN50以下刚性闸板
- DN50以上弹性闸板
- DN150以上采用分体式支架
- Bolted bonnet
- <DN50 Solid gate valve
- ≥DN50 Flexible gate valve
- DN150 And above: two pieces yoke

**主要外形尺寸和重量 Main outline dimensions & weight**

| 压力<br>Pressure | 规格<br>Size | 尺寸 Dimensions |      |      |      |      |         | 电动装置<br>Electric driving<br>device | 重量 Weight (kg)      |                         | 扭矩(N.m)<br>Torque | Cv值   |
|----------------|------------|---------------|------|------|------|------|---------|------------------------------------|---------------------|-------------------------|-------------------|-------|
|                |            | L             | H    | W    | H1   | W1   | W2      |                                    | 手动 Hand<br>operated | 电动 Electric<br>operated |                   |       |
| PN10.0         | 15         | 170           | 140  | 200  | -    | -    | -       | -                                  | 6                   | -                       | -                 | -     |
|                | 20         | 190           | 140  | 200  | -    | -    | -       | -                                  | 11                  | -                       | -                 | -     |
|                | 25         | 210           | 310  | 280  | -    | -    | -       | -                                  | 13                  | -                       | -                 | -     |
|                | 32         | 230           | 320  | 320  | -    | -    | -       | -                                  | 20                  | -                       | -                 | -     |
|                | 40         | 240           | 360  | 320  | 680  | 371  | 590     | DZX10A                             | 30                  | 113                     | 48                | -     |
|                | 50         | 250           | 371  | 360  | 810  | 371  | 590     | DZX15A                             | 50                  | 123                     | 60                | -     |
|                | 65         | 280           | 393  | 400  | 860  | 371  | 590     | DZX20A                             | 70                  | 133                     | 135               | -     |
|                | 80         | 310           | 455  | 400  | 892  | 371  | 590     | DZX20A                             | 100                 | 165                     | 180               | 747   |
|                | 100        | 350           | 551  | 400  | 1013 | 371  | 590     | DZX30A                             | 110                 | 220                     | 257               | 1275  |
|                | 125        | 400           | 638  | 560  | 1184 | 515  | 810     | DZX45A                             | 186                 | 292                     | 364               | 2100  |
|                | 150        | 450           | 718  | 560  | 1250 | 515  | 810     | DZX60A                             | 250                 | 389                     | 491               | 3061  |
|                | 200        | 550           | 873  | 560  | 1250 | 540  | 830     | DZX90A                             | 360                 | 502                     | 735               | 5635  |
|                | 250        | 650           | 1050 | 640  | 1650 | 565  | 870     | DZX180A                            | 485                 | 790                     | 1313              | 8356  |
|                | 300        | 750           | 1215 | 640  | 1800 | 565  | 870     | DZX250A                            | 633                 | 910                     | 1976              | 13130 |
|                | 350        | 850           | -    | -    | 2030 | 565  | 870     | DZX250A                            | -                   | 1610                    | 2237              | 16900 |
| 400            | 950        | -             | -    | 2250 | 770  | 1170 | DZX350A | -                                  | 2512                | 3235                    | 22280             |       |
| 500            | 1150       | -             | -    | -    | 794  | 1060 | DZX800A | -                                  | -                   | 5614                    | 35770             |       |
| PN16.0         | 15         | 170           | 230  | 200  | -    | -    | -       | -                                  | 7                   | -                       | -                 | -     |
|                | 20         | 190           | 260  | 200  | -    | -    | -       | -                                  | 10                  | -                       | -                 | -     |
|                | 25         | 210           | 280  | 280  | -    | -    | -       | -                                  | 14                  | -                       | -                 | -     |
|                | 32         | 230           | 312  | 320  | -    | -    | -       | -                                  | 21                  | -                       | -                 | -     |
|                | 40         | 240           | 350  | 320  | 670  | 371  | 590     | DZX15A                             | 26                  | 118                     | 66                | -     |
|                | 50         | 300           | 512  | 360  | 832  | 371  | 590     | DZX20A                             | 73                  | 136                     | 107               | -     |
|                | 65         | 340           | 560  | 360  | 880  | 371  | 590     | DZX20A                             | 110                 | 175                     | 203               | -     |
|                | 80         | 390           | 585  | 400  | 905  | 371  | 590     | DZX30A                             | 141                 | 206                     | 230               | 747   |
|                | 100        | 450           | 631  | 450  | 1071 | 371  | 590     | DZX30A                             | 185                 | 295                     | 278               | 1275  |
|                | 125        | 525           | 723  | 560  | 1163 | 515  | 810     | DZX60A                             | 320                 | 432                     | 440               | 2100  |
|                | 150        | 600           | 820  | 640  | 1170 | 540  | 830     | DZX90A                             | 462                 | 601                     | 636               | 3061  |
|                | 200        | 750           | 990  | 720  | 1440 | 540  | 830     | DZX120A                            | 711                 | 853                     | 1181              | 5635  |
|                | 250        | -             | -    | -    | -    | 565  | 870     | DZX180A                            | -                   | -                       | 1569              | 8356  |
|                | 300        | -             | -    | -    | -    | 565  | 870     | DZX250A                            | -                   | -                       | 2493              | 13130 |
|                | PN20.0     | 50            | 350  | 493  | 360  | 813  | 371     | 590                                | DZX20A              | 68                      | 129               | 134   |
| 65             |            | 410           | 535  | 400  | 855  | 371  | 590     | DZX30A                             | 90                  | 154                     | 250               | -     |
| 80             |            | 470           | 576  | 400  | 1016 | 515  | 810     | DZX45A                             | 125                 | 233                     | 284               | 747   |
| 100            |            | 550           | 659  | 560  | 1099 | 515  | 810     | DZX45A                             | 235                 | 348                     | 300               | 1275  |
| 125            |            | 650           | 710  | 560  | 1160 | 515  | 810     | DZX60A                             | -                   | -                       | 480               | 2100  |
| 150            |            | 750           | 790  | 600  | 1240 | 540  | 830     | DZX90A                             | -                   | -                       | 768               | 3061  |
| 200            |            | 832           | -    | -    | -    | 565  | 870     | DZX180A                            | -                   | -                       | 1312              | 5635  |
| 250            |            | 991           | -    | -    | -    | 565  | 870     | DZX250A                            | -                   | -                       | 2414              | 8356  |

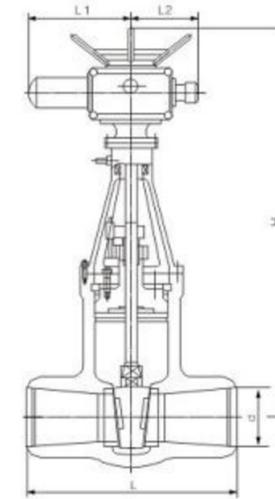
**主要外形和连接尺寸/Main outline and connection dimension**

| 公称压力<br>Nominal<br>pressure<br>(Mpa) | DN  | L    | D    | D1   | D2  | D0  | f  | b    | H    | H1    | Z-φ   |
|--------------------------------------|-----|------|------|------|-----|-----|----|------|------|-------|-------|
| 1.6MPa                               | 50  | 178  | 160  | 125  | 100 | 250 | 3  | 16   | 584  | 80    | 4-18  |
|                                      | 65  | 190  | 180  | 145  | 120 | 250 | 3  | 18   | 634  | 95    | 4-18  |
|                                      | 80  | 203  | 195  | 160  | 135 | 250 | 3  | 20   | 688  | 100   | 8-18  |
|                                      | 100 | 229  | 215  | 180  | 155 | 300 | 3  | 20   | 863  | 114   | 8-18  |
|                                      | 125 | 254  | 245  | 210  | 185 | 350 | 3  | 22   | 940  | 132   | 8-18  |
|                                      | 150 | 267  | 280  | 240  | 210 | 350 | 3  | 24   | 1030 | 150   | 8-23  |
|                                      | 200 | 292  | 335  | 295  | 265 | 350 | 3  | 26   | 1277 | 168   | 12-23 |
|                                      | 250 | 330  | 405  | 355  | 320 | 400 | 3  | 30   | 1491 | 203   | 12-25 |
|                                      | 300 | 356  | 460  | 410  | 375 | 450 | 4  | 30   | 1701 | 237   | 12-25 |
|                                      | 350 | 381  | 520  | 470  | 435 | 500 | 4  | 34   | 1875 | 265   | 16-25 |
|                                      | 400 | 406  | 580  | 525  | 485 | 305 | 4  | 36   | 2180 | 300   | 16-30 |
|                                      | 450 | 432  | 640  | 585  | 545 | 305 | 4  | 40   | 2440 | 325   | 20-30 |
|                                      | 500 | 457  | 705  | 650  | 608 | 305 | 4  | 44   | 2860 | 360   | 20-34 |
|                                      | 600 | 508  | 840  | 770  | 718 | 305 | 5  | 48   | 3450 | 425   | 20-41 |
|                                      | 700 | 610  | 910  | 840  | 788 | 305 | 5  | 50   | 3960 | 460   | 24-41 |
| 800                                  | 660 | 1020 | 950  | 898  | 305 | 5   | 52 | 4550 | 512  | 24-41 |       |
| 900                                  | 711 | 1120 | 1050 | 998  | 250 | 5   | 54 | 5250 | 565  | 28-41 |       |
| 1000                                 | 811 | 1255 | 1170 | 1110 | 250 | 5   | 56 | 5870 | 630  | 28-48 |       |
| 2.5MPa                               | 50  | 178  | 160  | 125  | 100 | 250 | 3  | 20   | 584  | 80    | 4-18  |
|                                      | 65  | 190  | 180  | 145  | 120 | 300 | 3  | 22   | 634  | 95    | 8-18  |
|                                      | 80  | 203  | 195  | 160  | 135 | 350 | 3  | 22   | 688  | 100   | 8-18  |
|                                      | 100 | 229  | 230  | 190  | 160 | 350 | 3  | 24   | 863  | 114   | 8-23  |
|                                      | 125 | 254  | 270  | 220  | 188 | 350 | 3  | 28   | 940  | 132   | 8-25  |
|                                      | 150 | 267  | 300  | 250  | 218 | 400 | 3  | 30   | 1030 | 150   | 8-25  |
|                                      | 200 | 292  | 360  | 310  | 278 | 450 | 3  | 34   | 1277 | 168   | 12-25 |
|                                      | 250 | 330  | 425  | 370  | 332 | 500 | 3  | 36   | 1491 | 203   | 12-30 |
|                                      | 300 | 356  | 485  | 430  | 390 | 305 | 4  | 40   | 1701 | 237   | 16-30 |
|                                      | 350 | 381  | 550  | 490  | 448 | 305 | 4  | 44   | 1875 | 265   | 16-34 |
|                                      | 400 | 406  | 610  | 550  | 505 | 305 | 4  | 48   | 2180 | 300   | 16-34 |
|                                      | 450 | 432  | 660  | 600  | 555 | 305 | 4  | 50   | 2440 | 325   | 20-34 |
|                                      | 500 | 457  | 730  | 660  | 610 | 305 | 4  | 52   | 2860 | 360   | 20-41 |
|                                      | 600 | 508  | 840  | 770  | 718 | 305 | 5  | 56   | 3450 | 425   | 20-41 |
|                                      | 700 | 610  | 955  | 875  | 815 | 305 | 5  | 60   | 3960 | 460   | 24-48 |
| 800                                  | 660 | 1070 | 990  | 930  | 305 | 5   | 64 | 4550 | 512  | 24-48 |       |
| 900                                  | 711 | 1180 | 1090 | 1025 |     | 5   | 66 | 5250 | 595  | 28-54 |       |
| 1000                                 | 811 | 1305 | 1210 | 1140 |     | 5   | 68 | 5870 | 660  | 28-58 |       |


 (K)WPZ943F  
 (K)WPZ944FPN1.6-10.0

 (K)WPZ643F  
 (K)WPZ644F PN1.6-10.0


**主要外形和连接尺寸/Main outline and connection dimension**

| 公称压力<br>Nominal pressure<br>(Mpa) | DN      | L    | D    | D1   | D2  | Y   | D0  | f   | f2  | b  | H    | H1  | Z-φ   |      |
|-----------------------------------|---------|------|------|------|-----|-----|-----|-----|-----|----|------|-----|-------|------|
| 4.0MPa                            | 50      | 250  | 160  | 125  | 100 | 88  | 250 | 3   | 4   | 20 | 584  | 80  | 4-18  |      |
|                                   | 65      | 280  | 180  | 145  | 120 | 110 | 250 | 3   | 4   | 22 | 634  | 95  | 8-18  |      |
|                                   | 80      | 310  | 195  | 160  | 135 | 121 | 250 | 3   | 4   | 22 | 679  | 102 | 8-18  |      |
|                                   | 100     | 350  | 230  | 190  | 160 | 150 | 300 | 3   | 4.5 | 24 | 863  | 115 | 8-23  |      |
|                                   | 125     | 400  | 270  | 220  | 188 | 176 | 350 | 3   | 4.5 | 28 | 940  | 133 | 8-25  |      |
|                                   | 150     | 450  | 300  | 250  | 218 | 204 | 350 | 3   | 4.5 | 30 | 1040 | 152 | 8-25  |      |
|                                   | 200     | 550  | 375  | 320  | 282 | 260 | 350 | 3   | 4.5 | 38 | 1282 | 188 | 12-30 |      |
|                                   | 250     | 650  | 445  | 385  | 345 | 313 | 400 | 3   | 4.5 | 42 | 1495 | 223 | 12-34 |      |
|                                   | 300     | 750  | 510  | 450  | 408 | 364 | 450 | 4   | 4.5 | 46 | 1701 | 250 | 16-34 |      |
|                                   | 350     | 850  | 570  | 510  | 465 | 422 | 500 | 4   | 5   | 52 | 1880 | 280 | 16-34 |      |
|                                   | 400     | 950  | 655  | 585  | 535 | 474 | 305 | 4   | 5   | 58 | 2200 | 310 | 20-41 |      |
|                                   | 450     | 1050 | 680  | 610  | 560 | 524 | 305 | 4   | 5   | 60 | 2480 | 335 | 20-41 |      |
|                                   | 500     | 1150 | 755  | 670  | 612 | 576 | 305 | 4   | 5   | 62 | 2890 | 380 | 20-48 |      |
|                                   | 600     | 1350 | 890  | 795  | 730 | 678 | 305 | 5   | 6   | 62 | 3460 | 450 | 20-54 |      |
|                                   | 700     | 1450 | 995  | 900  | 835 | 768 | 305 | 5   | 6   | 68 | 3985 | 500 | 24-54 |      |
|                                   | 800     | 1650 | 1135 | 1030 | 960 | 876 | 305 | 5   | 6   | 76 | 4750 | 570 | 24-58 |      |
| 6.4MPa                            | 50      | 250  | 175  | 135  | 105 | 88  | 250 | 3   | 4   | 26 | 584  | 90  | 4-23  |      |
|                                   | 65      | 280  | 200  | 160  | 130 | 110 | 250 | 3   | 4   | 28 | 634  | 105 | 8-23  |      |
|                                   | 80      | 310  | 210  | 170  | 140 | 121 | 250 | 3   | 4   | 30 | 679  | 110 | 8-23  |      |
|                                   | 100     | 350  | 250  | 200  | 168 | 150 | 300 | 3   | 4.5 | 32 | 763  | 130 | 8-25  |      |
|                                   | 125     | 400  | 295  | 240  | 202 | 176 | 350 | 3   | 4.5 | 36 | 970  | 150 | 8-30  |      |
|                                   | 150     | 450  | 340  | 280  | 240 | 204 | 350 | 3   | 4.5 | 38 | 1038 | 175 | 8-34  |      |
|                                   | 200     | 550  | 405  | 345  | 300 | 260 | 350 | 3   | 4.5 | 44 | 1282 | 210 | 12-34 |      |
|                                   | 250     | 650  | 470  | 400  | 352 | 313 | 400 | 3   | 4.5 | 48 | 1495 | 240 | 12-41 |      |
|                                   | 300     | 750  | 530  | 460  | 412 | 364 | 450 | 4   | 4.5 | 54 | 1965 | 270 | 16-41 |      |
|                                   | 350     | 850  | 595  | 525  | 475 | 422 | 500 | 4   | 5   | 60 | 2185 | 300 | 16-41 |      |
|                                   | 400     | 950  | 670  | 585  | 525 | 474 | 305 | 4   | 5   | 66 | 2573 | 335 | 16-48 |      |
|                                   | 450     | 1050 | 715  | 630  | 570 | 524 | 305 | 4   | 5   | 68 | 2800 | 360 | 20-48 |      |
|                                   | 500     | 1150 | 800  | 705  | 640 | 576 | 305 | 4   | 5   | 70 | 3280 | 405 | 20-54 |      |
|                                   | 600     | 1350 | 930  | 820  | 750 | 678 | 305 | 5   | 6   | 76 | 3800 | 470 | 20-58 |      |
|                                   | 10.0MPa | 50   | 250  | 195  | 145 | 112 | 88  | 250 | 3   | 4  | 28   | 590 | 100   | 4-25 |
|                                   |         | 65   | 280  | 220  | 170 | 138 | 110 | 250 | 3   | 4  | 32   | 640 | 115   | 8-25 |
| 80                                |         | 310  | 230  | 180  | 148 | 121 | 250 | 3   | 4   | 34 | 680  | 120 | 8-25  |      |
| 100                               |         | 350  | 265  | 210  | 172 | 150 | 300 | 3   | 4.5 | 38 | 870  | 135 | 8-30  |      |
| 125                               |         | 400  | 310  | 250  | 210 | 176 | 350 | 3   | 4.5 | 42 | 980  | 155 | 8-34  |      |
| 150                               |         | 450  | 350  | 290  | 250 | 204 | 350 | 3   | 4.5 | 46 | 1100 | 180 | 12-34 |      |
| 200                               |         | 550  | 430  | 360  | 312 | 260 | 350 | 3   | 4.5 | 54 | 1315 | 220 | 12-41 |      |
| 250                               |         | 650  | 500  | 430  | 382 | 313 | 400 | 3   | 4.5 | 60 | 1605 | 255 | 12-41 |      |
| 300                               |         | 750  | 585  | 500  | 442 | 364 | 450 | 4   | 4.5 | 70 | 1925 | 295 | 16-48 |      |
| 350                               |         | 850  | 665  | 560  | 498 | 422 | 500 | 4   | 5   | 76 | 2280 | 335 | 16-54 |      |
| 400                               |         | 950  | 715  | 620  | 558 | 474 | 305 | 4   | 5   | 80 | 2580 | 360 | 16-54 |      |


**产品执行标准/Applicable standard**

 设计规范 Design standard: JB/T 3595  
 结构长度 Face to face dimension: GB/T 12221  
 对焊端 Butt welded: GB/T 12224

 试验与检验 Test & check: JB/T3595  
 压力-温度 Pressure-temp: GB/T 3595  
 产品标识 Marking: JB/T3595

**产品性能规范/Performance specification**

| 产品型号<br>Product type | 公称压力 PN(MPa)<br>Nominal pressure | 试验压力(MPa)/Test pressure |                       | 工作压力(MPa)<br>Working pressure | 工作温度(℃)<br>Applicable temperature | 适用介质<br>Applicable medium |
|----------------------|----------------------------------|-------------------------|-----------------------|-------------------------------|-----------------------------------|---------------------------|
|                      |                                  | 强度试验<br>Shell test      | 密封试验/上密封<br>Seal test |                               |                                   |                           |
| Z960Y-250            | 25                               | 37.5                    | 27.5                  | -                             | ≤425                              | 水、蒸汽<br>Water, steam      |
| Z960Y-320            | 32                               | 48.0                    | 36.0                  | -                             | ≤425                              |                           |
| Z960Y-P54100/V       | -                                | 30.0                    | 22.0                  | P5410                         | ≤540                              | 蒸汽<br>Steam               |
| Z960Y-P54170/V       | -                                | 48.0                    | 36.0                  | P5417                         | ≤540                              |                           |

**主要零件材料/Main part materials**

| 零件名称 Part name      | 材质 Material                           |
|---------------------|---------------------------------------|
| 阀体 Body             | WCB, WC1, WC6, WC9, C12A              |
| 阀座 Seat             | 25, 15CrMoA, 12CrMoVA                 |
| 闸板 Disc             | WCB, WC1, WC6, WC9, C12A              |
| 阀杆 Stem             | 1Cr17Ni12, 2Cr13, 20Cr1MoV, 25Cr2Mo1V |
| 阀盖 Bonnet           | WCB, WC1, WC6, WC9, C12A              |
| 密封圈 Sealing ring    | 柔性石墨 Graphite                         |
| 四开环 Quarto ring     | 1Cr13, 2Cr13                          |
| 填料 Packing          | 柔性石墨 Graphite                         |
| 双头螺柱 Stud           | 35CrMoA, 25Cr2MoV                     |
| 螺母 Nut              | 35CrMoA, 25Cr2MoV                     |
| 阀杆螺母 Valve stem nut | 铜合金 Copper alloy                      |
| 手轮 Handwheel        | QT400-17                              |

## † 主要外形尺寸和重量/Main outline dimensions &amp; weight

| 公称通径 DN<br>Nominal diameter | d   | L    | H    | L1  | L2  | 电动装置<br>Electric driving device | WT (kg) |
|-----------------------------|-----|------|------|-----|-----|---------------------------------|---------|
| Z960Y-250                   |     |      |      |     |     |                                 |         |
| 100                         | 84  | 406  | 1164 | 437 | 277 | DZW45                           | 234     |
| 125                         | 100 | 483  | 1402 | 437 | 277 | DZW60                           | 343     |
| 175                         | 158 | 711  | 1650 | 554 | 309 | DZW180                          | 638     |
| 225                         | 200 | 864  | 1650 | 554 | 309 | DZW180                          | 654     |
| 300                         | 280 | 1067 | 2106 | 764 | 398 | DZW350                          | 1973    |

| 公称通径 DN<br>Nominal diameter | d   | L   | H    | L1  | L2  | 电动装置<br>Electric driving device | WT (kg) |
|-----------------------------|-----|-----|------|-----|-----|---------------------------------|---------|
| Z960Y-320                   |     |     |      |     |     |                                 |         |
| 100                         | 96  | 533 | 1236 | 437 | 277 | DZW180                          | 291     |
| 125                         | 118 | 610 | 1302 | 437 | 277 | DZW180                          | 315     |
| 150                         | 148 | 762 | 1403 | 526 | 283 | DZW180                          | 672     |
| 175                         | 148 | 762 | 1650 | 554 | 309 | DZW180                          | 684     |

| 公称通径 DN<br>Nominal diameter | d   | L    | H    | L1  | L2  | 电动装置<br>Electric driving device | WT (kg) |
|-----------------------------|-----|------|------|-----|-----|---------------------------------|---------|
| Z960Y-P54100V               |     |      |      |     |     |                                 |         |
| 225                         | 222 | 1041 | 1650 | 554 | 309 | DZW250                          | 696     |
| 175                         | 148 | 762  | 1650 | 554 | 309 | DZW60                           | 683     |
| 225                         | 222 | 1041 | 1650 | 554 | 309 | DZW180                          | 704     |
| 250                         | 222 | 1041 | 1795 | 554 | 309 | DZW500                          | 1214    |
| 300                         | 294 | 1245 | 2080 | 554 | 309 | DZW500                          | 2125    |

| 公称通径 DN<br>Nominal diameter | d   | L    | H    | L1  | L2  | 电动装置<br>Electric driving device | WT (kg) |
|-----------------------------|-----|------|------|-----|-----|---------------------------------|---------|
| Z960Y-P54170V               |     |      |      |     |     |                                 |         |
| 125                         | 98  | 630  | 1230 | 437 | 277 | DZW60                           | 312     |
| 225                         | 186 | 1060 | 1680 | 554 | 309 | DZW180                          | 1401    |
| 300                         | 278 | 1397 | 2265 | 764 | 398 | DZW500                          | 2834    |
| 325                         | 310 | 1448 | 2265 | 690 | 688 | DZW500                          | 2632    |
| 350                         | 338 | 1550 | 2536 | 715 | 688 | SMC-4                           | 5591    |

# API Gate Valve Series

## 美标闸阀系列

Keeping pace with the times  
 Reviving upon science & technology  
 与时俱进·科技兴业……



明杆升降式铸钢闸阀的主要结构特征

Design characteristics for API 600 cast steel gate valve with rising stem

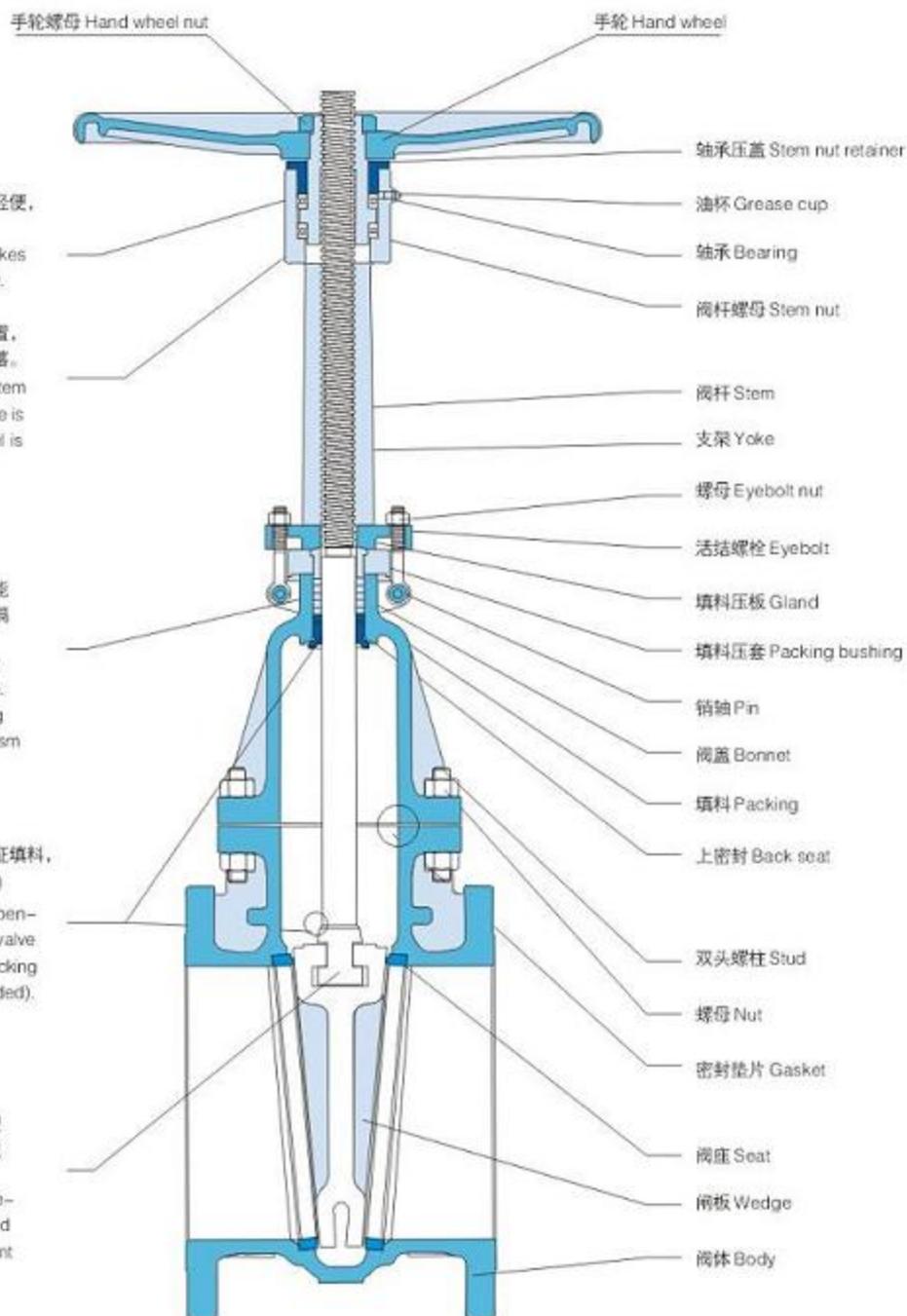
推力轴承的设计, 使得阀门开启轻便, 灵活。  
The design of thrust bearing makes valve opened easily and flexibly.

上装式并杆螺母使阀门在开启位置, 即使卸下手轮, 闸杆闸板不会不落。  
Top-entry stem nut can prevent stem disc from falling down when valve is at 'open' position and handwheel is taken off.

填料采用柔性石墨材料, 密封性能可靠。用户有要求时可提供填料隔环和注油脂结构。  
Packing uses flexible graphite for dependable sealing performance. If requested by users, packing spacer ring and greasing mechanism can be available.

阀门上密封的设计, 全开时可保证填料, 密封可靠。(不推荐带压更换填料)  
Upper seal design to ensure dependable packing and sealing when valve is fully opened. (Replacement of packing under pressure is not recommended).

升降式闸杆, 闸杆与闸板采用T型槽连接, 闸杆T型头部整体锻造成型, 保证了足够的连接强度。  
Lift stem, with stem and disc connected by T-slot, and stem T head integrally forged to ensure sufficient strength of joint.



API600 明杆升降式铸钢闸阀的材料明细(ASTM 标准材料)

Materials list for API600 cast steel gate valve with rising stem

| 序号 No | 零件名称 Part name         | 碳钢系列 Carbon steel              | 不锈钢系列 Stainless steel | 合金钢系列 Alloy steel    | 低温钢系列 Low temperature steel |
|-------|------------------------|--------------------------------|-----------------------|----------------------|-----------------------------|
| 1     | 阀体 Body                | ASTM A216 GR WCB               | ASTM A315 GR C8       | ASTM A217 GR WC6     | ASTM A352 GR LCB            |
| 2     | 闸板 Wedge               | ASTM A216 GR WCB               | ASTM A315 GR CF8      | ASTM A217 GR WC6     | ASTM A352 GR LCB            |
| 3     | 阀座 Seat                | ASTM Ma105                     | /                     | ASTM A182 GR F304    | ASTM A182 GR F304           |
| 4     | 密封垫片 Gasket            | 柔性石墨+SS304 Soft graphite+SS304 |                       |                      |                             |
| 5     | 六角螺母 Nut               | ASTM A194 GR 2H                | ASTM A194 GR B8       | ASTM A194 GR 4       | ASTM A194 GR B8             |
| 6     | 双头螺栓 Stud              | ASTM A193 GR B7                | ASTM A193 GR 8        | ASTM A193 GR B7      | ASTM A193 GR 8              |
| 7     | 上密封座 Back seat         | ASTM A182GR F6a                | ASTM A182GR F304      | ASTM A182GR F304     | ASTM A182GR F304            |
| 8     | 填料 Packing             | 柔性石墨 Soft graphite             |                       |                      |                             |
| 9     | 阀盖 Bonnet              | ASTM A216 GR WCB               | ASTM A351GR CF8       | ASTM A217 GR WC6     | ASTM A352 GR LCB            |
| 10    | 销轴 Pin                 | ASTM A194 GR 2H                | ASTM A276 TYPE 304    | ASTM A276 GR WC6     | ASTM A276 TYPE 304          |
| 11    | 填料压套 Packing bushing   | ASTM A182GR F6a                | ASTM A182GR F304      | ASTM A182GR F6a      | ASTM A182GR F304            |
| 12    | 填料压板 Gland             | ASTM A216 GR WCB               | ASTM A351 GR CF8      | ASTM A216 GR WCB     | ASTM A352GR LCB             |
| 13    | 活结螺栓 Eyebolt           | ASTM A193GR B7                 | ASTM A193GR B8        | ASTM A193GR B7       | ASTM A194GR B8              |
| 14    | 螺母 Eyebolt nut         | ASTM A194 GR 2H                | ASTM A193 GR 8        | ASTM A193 GR 4       | ASTM A193 GR 8              |
| 15    | 支架 Yoke                | ASTM A216 GR WCB               | ASTM A351 GR CF8      | ASTM A216 GR WCB     | ASTM A352 GR LCB            |
| 16    | 闸杆 Stem                | ASTM A276 TYPE 410             | ASTM A276 TYPE 304    | ASTM A182 GB F22     | ASTM A276 TYPE 304          |
| 17    | 闸杆螺母 Stem nut          | ASTm B148 UNS C95600           | ASTm B148 UNS C95600  | ASTm B148 UNS C95600 | ASTm B148 UNS C95600        |
| 18    | 轴承 Bearing             | /                              |                       |                      |                             |
| 19    | 油杯 Grease cup          | 铜合金 Copper alloy               |                       |                      |                             |
| 20    | 轴承压盖 Stem nut retainer | ASTM A108GR 1020               | ASTM A182GR F304      | ASTM A108GR 1020     | ASTM A182GR F304            |
| 21    | 手轮 Had wheel           | ASTM A197                      | ASTM A197             | ASTM A197            | ASTM A197                   |
| 22    | 手轮螺母 Hand wheel nut    | ASTM A108GR 1020               | ASTM A182GR F304      | ASTM A108GR 1020     | ASTM A182GR F304            |

技术性能规范/Technical specification

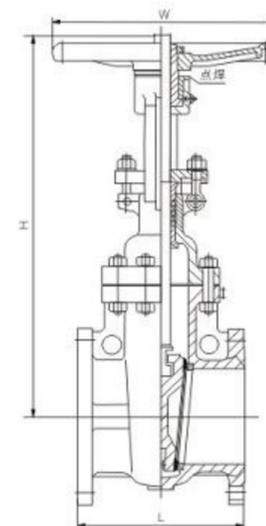
|                                    |   |      |      |      |       |      |      |      |
|------------------------------------|---|------|------|------|-------|------|------|------|
| 设计标准 Design standard               | API 600 API 603   |      |      |      |       |      |      |      |
| 压力温度等级 Pressure-temperature rating | ASME B16.34   |      |      |      |       |      |      |      |
| 结构长度 Face to face dimension        | ASME B16.10   |      |      |      |       |      |      |      |
| 法兰型式尺寸 Flange dimension            | ASME B16.5, ASME B16.47   |      |      |      |       |      |      |      |
| 对焊端连接 Buttwelded connection        | ASME B16.25   |      |      |      |       |      |      |      |
| 检验与试验 Inspection & test            | API 598   |      |      |      |       |      |      |      |
| 公称压力 Nominal pressure (Class)      | 150   | 300  | 400  | 600  | 900   | 1500 | 2500 |      |
| 试验压力(MPa) Test pressure            | 壳体试验 Shell test   | 2.93 | 7.55 | 10.0 | 15.0  | 22.5 | 37.5 | 63.0 |
|                                    | 高压密封 High pressure seal test  | 2.07 | 5.52 | 7.31 | 11.03 | 16.5 | 27.5 | 46.0 |
|                                    | 低压密封 Low pressure seal test   | 0.6  | 0.6  | 0.6  | 0.6   | 0.6  | 0.6  | 0.6  |
| 适用温度 Applicable temperature        | -196°C~550°C(不同的工况温度选用不同的材质)<br>Different material for different work temperature                                   |      |      |      |       |      |      |      |
| 适用介质 Applicable medium             | 水、油、气及各类腐蚀性介质(不同的介质选用不同的材质)<br>Water, oil, gas and other causticity medium(Different material for different medium) |      |      |      |       |      |      |      |

## † 美标铸钢闸阀供货范围/API Cast steel gate valve product

| 规格 Size |       | 压力 Pressure(Class) |     |     |     |      |                    |     |     |      |   |
|---------|-------|--------------------|-----|-----|-----|------|--------------------|-----|-----|------|---|
|         |       | 栓接阀盖 Bolted bonnet |     |     |     |      |                    |     |     |      |   |
| DN      | NPS   | 手动 Hand operated   |     |     |     |      | 齿轮传动 Gear operated |     |     |      |   |
|         |       | 150                | 300 | 600 | 900 | 1500 | 300                | 600 | 900 | 1500 |   |
| 40      | 1-1/2 | *                  | *   | *   | *   | *    |                    |     |     |      |   |
| 50      | 2     | *                  | *   | *   | *   | *    |                    |     |     |      |   |
| 65      | 2-1/2 | *                  | *   | *   | *   | *    |                    |     |     |      |   |
| 80      | 3     | *                  | *   | *   | *   | *    |                    |     |     |      |   |
| 100     | 4     | *                  | *   | *   | *   | *    |                    |     |     |      |   |
| 125     | 5     | *                  | *   | *   | *   | *    |                    |     |     |      |   |
| 150     | 6     | *                  | *   | *   | *   | *    |                    |     |     |      | * |
| 200     | 8     | *                  | *   | *   | *   | *    |                    |     |     |      | * |
| 250     | 10    | *                  | *   | *   | *   | *    |                    |     | *   |      | * |
| 300     | 12    | *                  | *   | *   | *   | *    |                    |     | *   |      | * |
| 350     | 14    | *                  | *   | *   | *   | *    |                    | *   | *   |      | * |
| 400     | 16    | *                  | *   | *   | *   | *    |                    | *   | *   |      | * |
| 450     | 18    | *                  | *   | *   | *   | *    |                    | *   | *   |      | * |
| 500     | 20    | *                  | *   | *   | *   | *    |                    | *   | *   |      | * |
| 600     | 24    | *                  | *   | *   | *   | *    |                    | *   | *   |      | * |
| 650     | 26    | *                  | *   | *   | *   | *    | *                  | *   |     |      | * |
| 700     | 28    | *                  | *   | *   | *   | *    | *                  | *   |     |      | * |
| 750     | 30    | *                  | *   | *   | *   | *    | *                  | *   |     |      | * |
| 800     | 32    | *                  | *   | *   | *   | *    | *                  | *   |     |      | * |
| 900     | 36    | *                  | *   | *   | *   | *    | *                  | *   |     |      | * |
| 1000    | 40    | *                  | *   | *   | *   | *    | *                  | *   |     |      | * |
| 1050    | 42    | *                  | *   | *   | *   | *    | *                  | *   |     |      | * |
| 1200    | 48    | *                  | *   | *   | *   | *    | *                  | *   |     |      | * |

订购表中未列出的产品可与本公司销售部门联系。 For sizes and classes not shown, please contact our sales department

压力等级 Pressure: Class 150

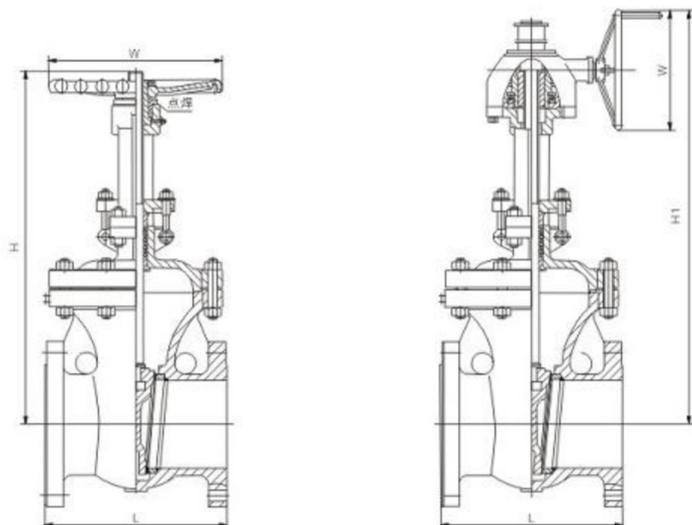


- 栓接阀盖
- 弹性闸板
- 10'以上采用分体式支架
- Bolted bonnet
- Flexible disc
- 10' And above: two pieces yoke

## † 主要外形尺寸和重量/Main outline dimensions &amp; weight

| 规格 Size |       | 阀门尺寸 Valve main dimension |       |       |      |      | 重量 Weight(kg) |      | 扭矩 Toqure (N.m) | CV     |
|---------|-------|---------------------------|-------|-------|------|------|---------------|------|-----------------|--------|
| mm      | in    | L(RF)                     | L(BW) | L(RJ) | H    | W    | RF            | BW   |                 |        |
| 40      | 1-1/2 | 165                       | 165   | 178   | 386  | 250  | 24            | 21   | 12              | -      |
| 50      | 2     | 178                       | 216   | 190   | 391  | 250  | 27            | 23   | 13              | -      |
| 65      | 2-1/2 | 190                       | 241   | 203   | 408  | 250  | 37            | 33   | 13              | -      |
| 80      | 3     | 203                       | 283   | 216   | 457  | 250  | 40            | 35   | 15              | 710    |
| 100     | 4     | 229                       | 305   | 241   | 538  | 250  | 52            | 47   | 27              | 1300   |
| 150     | 6     | 267                       | 403   | 279   | 693  | 350  | 90            | 84   | 36              | 3100   |
| 200     | 8     | 292                       | 419   | 305   | 863  | 350  | 145           | 137  | 63              | 5720   |
| 250     | 10    | 330                       | 457   | 343   | 1036 | 450  | 225           | 207  | 84              | 8940   |
| 300     | 12    | 356                       | 502   | 368   | 1130 | 450  | 310           | 253  | 131             | 13350  |
| 350     | 14    | 381                       | 572   | 394   | 1272 | 610  | 445           | 376  | 151             | 16275  |
| 400     | 16    | 406                       | 610   | 419   | 1447 | 610  | 540           | 440  | 235             | 21560  |
| 450     | 18    | 432                       | 660   | 445   | 1701 | 720  | 800           | 722  | 285             | 28720  |
| 500     | 20    | 457                       | 711   | 470   | 1795 | 720  | 990           | 863  | 341             | 35760  |
| 600     | 24    | 508                       | 813   | 521   | 2189 | 720  | 1600          | 1519 | 602             | 52165  |
| 650     | 26    | 559                       | 864   | -     | 2387 | 860  | 1850          | 1755 | -               | 63500  |
| 700     | 28    | 610                       | 914   | -     | 2590 | 860  | 2100          | 1995 | -               | 74800  |
| 750     | 30    | 610                       | 914   | 622   | 2819 | 860  | 2700          | 2404 | 1079            | 86235  |
| 800     | 32    | 660                       | 965   | -     | 2870 | 860  | 3100          | 2840 | -               | 103000 |
| 900     | 36    | 711                       | 1016  | 724   | 2997 | 860  | 3950          | 3690 | 1497            | 129500 |
| 1000    | 40    | 812                       | 1067  | -     | 3302 | 1020 | 4650          | -    | -               | 175860 |
| 1050    | 42    | 813                       | 1143  | -     | 3479 | 1020 | 5100          | -    | -               | 223300 |
| 1200    | 48    | 1067                      | 1371  | -     | 3962 | 1020 | 6500          | -    | -               | 335500 |

压力等级Pressure:Class300

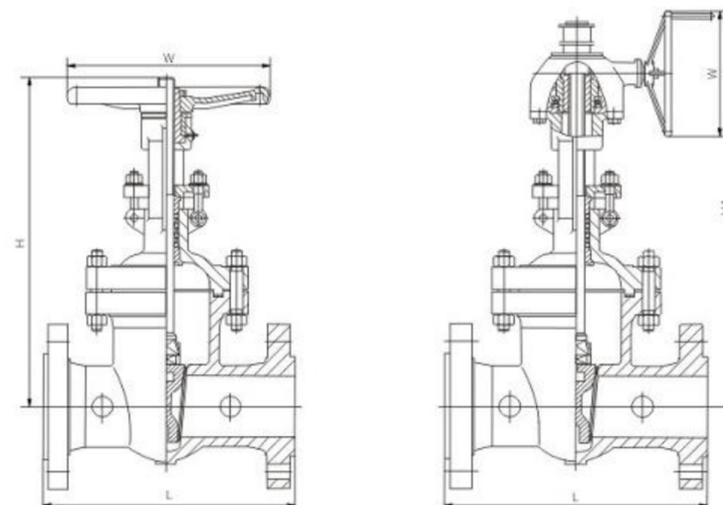


- 栓接阀盖
- 弹性闸板
- 8'以上采用分体式支架
- 40'以上采用齿轮传动
- Bolted bonnet
- Flexible disc
- 8' And above: two pieces yoke
- 40' And above: Gear operated

## † 主要外形尺寸和重量/Main outline dimensions &amp; weight

| 规格 Size |       | 阀门尺寸 Valve main dimension |       |       |      |      |     | 重量 Weight(kg) |      | 扭矩 Toqure (N.m) | CV     |
|---------|-------|---------------------------|-------|-------|------|------|-----|---------------|------|-----------------|--------|
| mm      | in    | L(RF)                     | L(BW) | L(RJ) | H    | H1   | W   | RF            | BW   |                 |        |
| 40      | 1-1/2 | 190                       | 190   | 203   | 425  | -    | 250 | 30            | 28   | 15              | -      |
| 50      | 2     | 216                       | 216   | 232   | 467  | -    | 250 | 32            | 29   | 16              | -      |
| 65      | 2-1/2 | 241                       | 241   | 257   | 495  | -    | 250 | 49            | 43   | 18              | -      |
| 80      | 3     | 283                       | 283   | 299   | 520  | -    | 250 | 52            | 49   | 21              | 710    |
| 100     | 4     | 305                       | 305   | 321   | 609  | -    | 350 | 85            | 77   | 42              | 1300   |
| 150     | 6     | 403                       | 403   | 419   | 825  | -    | 450 | 150           | 145  | 86              | 3100   |
| 200     | 8     | 419                       | 419   | 435   | 1009 | -    | 450 | 240           | 227  | 128             | 5720   |
| 250     | 10    | 457                       | 457   | 473   | 1193 | -    | 610 | 380           | 337  | 215             | 8940   |
| 300     | 12    | 502                       | 502   | 518   | 1282 | -    | 610 | 486           | 430  | 289             | 13350  |
| 350     | 14    | 762                       | 762   | 778   | 1422 | -    | 610 | 729           | 654  | 423             | 16275  |
| 400     | 16    | 838                       | 838   | 854   | 1549 | -    | 720 | 931           | 876  | 537             | 21560  |
| 450     | 18    | 914                       | 914   | 930   | 1803 | -    | 720 | 1504          | 1300 | 649             | 27890  |
| 500     | 20    | 991                       | 991   | 1010  | 1955 | -    | 720 | 1938          | 1625 | 1009            | 34840  |
| 600     | 24    | 1143                      | 1143  | 1165  | 2425 | -    | 860 | 3411          | 2800 | 1451            | 51050  |
| 650     | 26    | 1245                      | 1245  | 1270  | 2540 | -    | 860 | 3570          | 3100 | -               | 62011  |
| 700     | 28    | 1346                      | 1346  | 1372  | 2641 | -    | 860 | 4027          | 3600 | -               | 73046  |
| 750     | 30    | 1397                      | 1397  | 1422  | 2743 | -    | 860 | 4310          | 3780 | 3140            | 84765  |
| 800     | 32    | 1524                      | 1524  | 1553  | 2857 | -    | 860 | 4850          | 4235 | -               | 100580 |
| 900     | 36    | 1727                      | 1727  | 1756  | 3048 | -    | 860 | 6632          | 5900 | 4293            | 125825 |
| 1000    | 40    | 1955                      | 1955  | -     | -    | 3713 | 720 | 8100          | -    | -               | 171740 |
| 1050    | 42    | 2032                      | 2032  | -     | -    | 3916 | 720 | 9750          | -    | -               | 217000 |
| 1200    | 48    | 2286                      | 2286  | -     | -    | 4501 | 720 | 13050         | -    | -               | 326000 |

压力等级Pressure:Class600

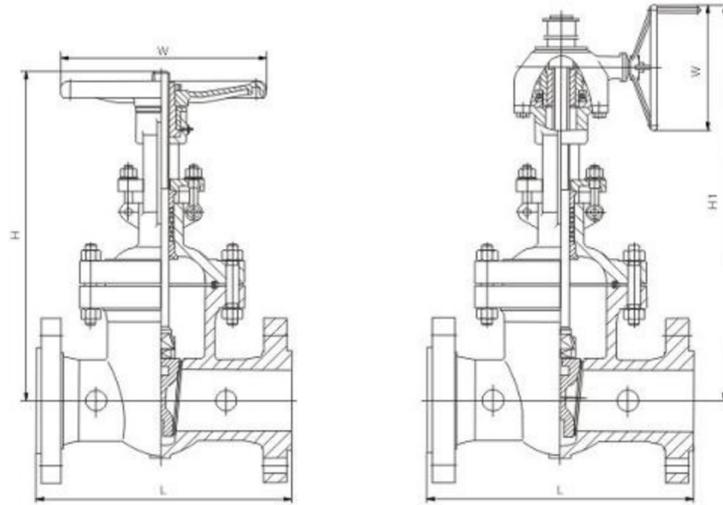


- 栓接阀盖
- 弹性闸板
- 8'以上采用分体式支架
- 24'以上采用齿轮传动
- Bolted bonnet
- Flexible disc
- 8' And above: two pieces yoke
- 24' And above: Gear operated

## † 主要外形尺寸和重量/Main outline dimensions &amp; weight

| 规格 Size |       | 阀门尺寸 Valve main dimension |       |       |      |      |     | 重量 Weight(kg) |      | 扭矩 Toqure (N.m) | CV     |
|---------|-------|---------------------------|-------|-------|------|------|-----|---------------|------|-----------------|--------|
| mm      | in    | L(RF)                     | L(BW) | L(RJ) | H    | H1   | W   | RF            | BW   |                 |        |
| 40      | 1-1/2 | 241                       | 241   | 241   | 375  | -    | 250 | 41            | 28   | 20              | -      |
| 50      | 2     | 292                       | 292   | 295   | 387  | -    | 250 | 50            | 39   | 23              | -      |
| 65      | 2-1/2 | 330                       | 330   | 333   | 483  | -    | 250 | 54            | 53   | -               | -      |
| 80      | 3     | 356                       | 356   | 359   | 537  | -    | 350 | 85            | 67   | 50              | 710    |
| 100     | 4     | 432                       | 432   | 435   | 647  | -    | 350 | 126           | 101  | 68              | 1300   |
| 150     | 6     | 559                       | 559   | 562   | 914  | -    | 610 | 274           | 230  | 183             | 3110   |
| 200     | 8     | 660                       | 660   | 664   | 1092 | -    | 610 | 454           | 390  | 270             | 5500   |
| 250     | 10    | 787                       | 787   | 791   | 1181 | -    | 720 | 628           | 566  | 479             | 8485   |
| 300     | 12    | 838                       | 838   | 841   | 1333 | -    | 720 | 895           | 823  | 650             | 12850  |
| 350     | 14    | 889                       | 889   | 892   | 1473 | -    | 720 | 1350          | 1198 | 988             | 15370  |
| 400     | 16    | 991                       | 991   | 994   | 1651 | -    | 860 | 1700          | 1532 | 1243            | 20170  |
| 450     | 18    | 1092                      | 1092  | 1095  | 1727 | -    | 860 | 2140          | 1996 | 1512            | 26200  |
| 500     | 20    | 1194                      | 1194  | 1200  | 2019 | -    | 860 | 2683          | 2450 | 2185            | 32100  |
| 600     | 24    | 1397                      | 1397  | 1407  | -    | 2383 | 610 | 4550          | 3244 | 3053            | 46750  |
| 650     | 26    | 1448                      | 1448  | 1461  | -    | 2500 | 610 | 5260          | -    | -               | 56300  |
| 700     | 28    | 1549                      | 1549  | 1562  | -    | 2663 | 610 | 5960          | -    | -               | 65900  |
| 750     | 30    | 1651                      | 1651  | 1664  | -    | 2840 | 610 | 6700          | 6160 | 5452            | 75520  |
| 800     | 32    | 1778                      | 1778  | 1794  | -    | 3100 | 720 | 8312          | -    | -               | 85180  |
| 900     | 36    | 2083                      | 2083  | 2099  | -    | 3450 | 720 | 10125         | 9580 | 7675            | 114250 |
| 1000    | 40    | 2149                      | 2149  | -     | -    | 3600 | 720 | 14300         | -    | -               | 156127 |
| 1050    | 42    | 2260                      | 2260  | -     | -    | 3950 | 720 | 16460         | -    | -               | 197272 |
| 1200    | 48    | 2667                      | 2667  | -     | -    | 4600 | 720 | 22900         | -    | -               | 296300 |

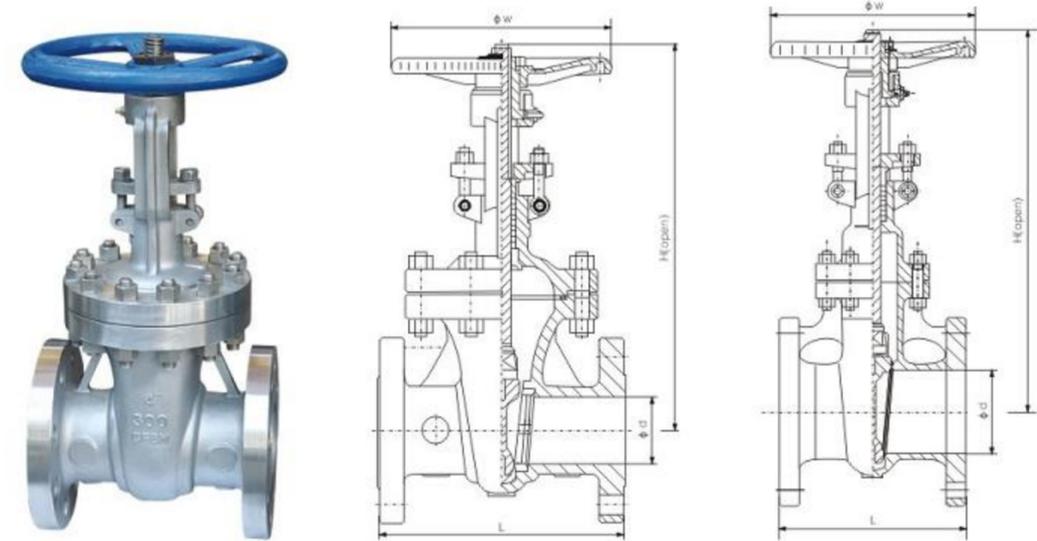
压力等级 Pressure: class 900-1500



- 栓接阀盖
- 弹性闸板
- 8"以上采用分体式支架
- Class 900, 16"以上采用齿轮传动, Class 1500, 12"以上采用齿轮传动
- Bolted bonnet
- Flexible disc
- 8" And above: two pieces yoke
- Class 900, 16" and above: Gear operated, Class 1500, 12" and above: Gear operated

主要外形尺寸和重量/Main outline dimensions & weight

| 压力 Class | 规格 Size |       | 阀门尺寸 Valve main dimension |       |       |      |      |      | 重量 Weight(kg) |      | 扭矩 Toque (N.m) | CV    |
|----------|---------|-------|---------------------------|-------|-------|------|------|------|---------------|------|----------------|-------|
|          | mm      | in    | L(RF)                     | L(BW) | L(RJ) | H    | H1   | W    | RF            | BW   |                |       |
| 900      | 40      | 1-1/2 | 305                       | 305   | 305   | 495  | -    | 250  | 62            | 45   | 24             | -     |
|          | 50      | 2     | 368                       | 368   | 371   | 523  | -    | 250  | 116           | 98   | 39             | -     |
|          | 65      | 2-1/2 | 419                       | 419   | 422   | 577  | -    | 350  | 161           | 130  | 56             | -     |
|          | 80      | 3     | 381                       | 381   | 384   | 609  | -    | 350  | 142           | 136  | 64             | 650   |
|          | 100     | 4     | 457                       | 457   | 460   | 673  | -    | 350  | 214           | 180  | 118            | 1200  |
|          | 150     | 6     | 610                       | 610   | 613   | 863  | -    | 610  | 408           | 405  | 243            | 2850  |
|          | 200     | 8     | 737                       | 737   | 740   | 1079 | -    | 610  | 731           | 644  | 427            | 5025  |
|          | 250     | 10    | 838                       | 838   | 841   | 1231 | -    | 720  | 1151          | 1010 | 783            | 7850  |
|          | 300     | 12    | 965                       | 965   | 968   | 1384 | -    | 720  | 1724          | 1455 | 1163           | 11500 |
|          | 350     | 14    | 1029                      | 1029  | 1038  | 1574 | -    | 850  | 2060          | 1807 | 1331           | 13900 |
| 1500     | 400     | 16    | 1130                      | 1130  | 1140  | -    | 2159 | 760  | 2400          | -    | -              | 18150 |
|          | 450     | 18    | 1219                      | 1219  | 1232  | -    | 2362 | 760  | 3000          | -    | -              | 23910 |
|          | 500     | 20    | 1321                      | 1321  | 1334  | -    | 2463 | 760  | 3800          | -    | -              | 29550 |
|          | 600     | 24    | 1549                      | 1549  | 1568  | -    | 3048 | 900  | 4900          | -    | -              | 42570 |
|          | 40      | 1-1/2 | 305                       | 305   | 305   | 495  | -    | 250  | 62            | 45   | 32             | -     |
|          | 50      | 2     | 368                       | 368   | 371   | 582  | -    | 250  | 116           | 98   | 54             | -     |
|          | 65      | 2-1/2 | 419                       | 419   | 422   | 635  | -    | 350  | 161           | 130  | 76             | -     |
|          | 80      | 3     | 470                       | 470   | 473   | 781  | -    | 350  | 209           | 193  | 108            | 600   |
|          | 100     | 4     | 546                       | 546   | 549   | 876  | -    | 450  | 296           | 250  | 167            | 1070  |
|          | 150     | 6     | 705                       | 705   | 711   | 1104 | -    | 610  | 720           | 652  | 426            | 2500  |
| 200      | 8       | 832   | 832                       | 841   | 1142  | -    | 720  | 1275 | 1134          | 801  | 4370           |       |
| 250      | 10      | 991   | 991                       | 1000  | 1784  | -    | 860  | 2092 | 1765          | 1268 | 6850           |       |
| 300      | 12      | 1130  | 1130                      | 1146  | -     | 1955 | 760  | 2951 | 2386          | 2078 | 9980           |       |
| 350      | 14      | 1257  | 1257                      | 1276  | -     | 2057 | 760  | 4382 | 3759          | 2392 | 12000          |       |
| 400      | 16      | 1384  | 1384                      | 1407  | -     | 2311 | 760  | 5043 | -             | -    | 15675          |       |
| 450      | 18      | 1537  | 1537                      | 1559  | -     | 2438 | 860  | 5705 | -             | -    | 20640          |       |
| 500      | 20      | 1664  | 1664                      | 1686  | -     | 2590 | 860  | 6750 | -             | -    | 25880          |       |
| 600      | 24      | 1943  | 1943                      | 1972  | -     | 2946 | 860  | 9500 | -             | -    | 37175          |       |



采用标准/Standards

设计和制造 Design and Manufacture: API 603  
检验和试验 Inspection and Test: API 598  
法兰连接尺寸 Flange dimension: ASME B16.5

结构长度 Face to face dimension: ASME B16.10  
温压等级 Pressure-temperature ratings: ASME B16.34

API 603 Class 150 ~ Class 300 不锈钢闸阀/Stainless steel gate valve

| 口径 Size |     | Class 150          |     |      |     |               | Class 300          |     |      |     |               |
|---------|-----|--------------------|-----|------|-----|---------------|--------------------|-----|------|-----|---------------|
| NPS     | DN  | 尺寸 Dimensions (mm) |     |      |     | 重量 Weight(Kg) | 尺寸 Dimensions (mm) |     |      |     | 重量 Weight(Kg) |
|         |     | L                  | d   | H    | W   |               | L                  | d   | H    | W   |               |
| 1/2     | 15  | 108                | 13  | 195  | 120 | 3             | 140                | 13  | 198  | 120 | 5             |
| 3/4     | 20  | 117                | 19  | 210  | 120 | 4             | 152                | 19  | 215  | 140 | 6             |
| 1       | 25  | 127                | 25  | 240  | 140 | 6             | 165                | 25  | 245  | 160 | 9             |
| 1 1/4   | 32  | 140                | 32  | 300  | 180 | 8             | 178                | 32  | 306  | 180 | 12            |
| 1 1/2   | 40  | 165                | 38  | 395  | 200 | 12            | 190                | 38  | 400  | 200 | 18            |
| 2       | 50  | 178                | 51  | 365  | 160 | 16            | 216                | 51  | 400  | 200 | 22            |
| 2 1/2   | 65  | 190                | 64  | 420  | 160 | 22            | 241                | 64  | 435  | 200 | 26            |
| 3       | 80  | 203                | 76  | 485  | 200 | 28            | 283                | 76  | 515  | 250 | 41            |
| 4       | 100 | 229                | 102 | 580  | 250 | 42            | 305                | 102 | 600  | 280 | 62            |
| 5       | 125 | 254                | 127 | 710  | 250 | 53            | 381                | 127 | 715  | 300 | 84            |
| 6       | 150 | 267                | 152 | 741  | 280 | 65            | 403                | 152 | 780  | 350 | 110           |
| 8       | 200 | 292                | 203 | 960  | 300 | 105           | 419                | 203 | 980  | 400 | 177           |
| 10      | 250 | 330                | 254 | 1055 | 350 | 160           | 457                | 254 | 1200 | 400 | 284           |
| 12      | 300 | 356                | 305 | 1352 | 400 | 245           | 502                | 305 | 1400 | 400 | 382           |
| 14      | 350 | 381                | 337 | 1520 | 400 | 328           | 762                | 337 | 1560 | 500 | 598           |
| 16      | 400 | 406                | 387 | 1734 | 500 | 425           | 838                | 387 | 1760 | 500 | 785           |
| 18      | 450 | 432                | 438 | 1920 | 500 | 510           | 914                | 432 | 1940 | 600 | 962           |
| 20      | 500 | 457                | 489 | 2110 | 600 | 650           | 991                | 483 | 2140 | 600 | 1144          |
| 24      | 600 | 508                | 591 | 2520 | 700 | 855           | 1143               | 584 | 2550 | 700 | 1805          |

### 产品结构设计/Products design features

阀体有铸造和焊接两种结构。

Body has two structure cast and welded

阀座采用O形密封圈密封和施加预紧力的浮动阀座结构,使阀门进出口双向密封;并且该结构的启闭力矩仅为普通阀门的1/2,能达到轻松开、关阀门。

The seat ring uses the floating seat ring structure with o-seal ring sealed and pre-tightening force applied to have inlet and outlet dual-way sealed; and the open-close moment with this structure is 1/2 that of the common valves only, able to lightly open and close valves.

阀座采用密封面上镶嵌PTFE,具有PTFE对金属和金属对金属的双重密封,PTFE密封面同时清除闸板脏物的作用。

The seat ring uses the sealing face inlaid with PTFE, so has dual seals of PTFE to metal and metal to metal, the PTFE sealing face also Acts as removing the dirt on the wedge disc.

金属对金属密封的阀门,阀体外部设有注油脂结构,油脂通过注脂器、阀座进入阀门密封面,使阀门达到零泄漏。

For the valve with the metal to metal seal, there is grease injector outside of it, grease gets into the sealing face through the injector and the seat ring to have the valve up to null leak.

带有流孔闸板的闸板,无论是全开或是全关始终与密封面吻合,密封面得到保护不受介质直接冲刷,从而延长使用寿命。

The wedge disc of the valve with flow guide hole is always fitted with the sealing face whether in full open or full close status to have the sealingface protected without being directly eroded by the medium so as to extend the duration.

阀门在全开时,通道平滑为直线,流阻系数极小,无压力损失,可通毛球清扫管线。

When fully opened, the valve's channel is smooth and linear, with an extremely small flow resisting coefficient and no pressure loss, and the pipeline can be cleaned with hair-ball through it.

本阀门采用带自密封能力的填料结构,无需经常调节,开、关极为轻便,且密封性可靠,填料函处设有辅助密封油脂注入结构,密封性能绝对可靠,真正达到零泄漏;解决了通用阀门填料处最容易外漏的弊病。

This valve uses the packing structure with the ability of self-seal, needs no constant adjustment, features very light open and close and a reliable seal. An assisting sealing grease injection structure is set in the packing to have the sealing performance absolutely reliable and get a true null leak, settling the problem for the packing place of universal valves to be easiest leak outward.

阀门关闭时能自动卸掉内腔高压(详见工作原理图),保证使用安全。

Automatic removal of the high pressure in the internal cavity when closing (see the working principle diagram for the details) so as to ensure safety.

全封闭结构,防护性能好,可适应全天候要求。

Fully sealed structure keeps a good protective property, suitable for the requirement of 24-hour duty.

阀门设有指示杆或观察窗以表示阀门的启闭情况。

An indication rod or viewing window is set with the valve to show the open-close condition.

### 产品性能规范/Products performance specification

| 压力等级<br>Pressure        | 常温试验压力(MPa)<br>Testing pressure at constant temperature (MPa) |                        |                         |                               |                                  | 适用介质<br>Applicable medium                                 |   |  |
|-------------------------|---|------------------------|-------------------------|-------------------------------|----------------------------------|---|---|--|
|                         | 壳体试验<br>Shell testing   | 左密封<br>Left<br>sealing | 右密封<br>Right<br>sealing | 上密封试验<br>Back<br>seal testing | 低压力密封<br>Low pressure<br>sealing | 适用温度<br>Applicable<br>temperature                         | 普通型<br>Ordinary type  | 抗硫型<br>Antisulphur type  |
| 磅级(Lb)<br>Class<br>(Lb) | 150   | 3.0                    | 2.2                     | 2.2                           | 0.6                              | -29 ~ 121°C<br>或按用户要求                                     | 石油、天然气、水<br>等非腐蚀性介质   | 含H2S、CO2的石油、天<br>然气、水等腐蚀性介质  |
|                         | 300   | 7.5                    | 5.5                     | 5.5                           | 0.6                              |   |   |  |
|                         | 600   | 15.0                   | 11.0                    | 11.0                          | 0.6                              | -29 ~ 121°C or<br>according to<br>the user<br>requirement | Petroleum, natural<br>gas, water etc. non-<br>corrosive media | Petroleum, natural gas,<br>water etc. containing H2S,<br>CO2 corrosive media |
|                         | 900   | 22.5                   | 17.5                    | 17.5                          | 0.6                              |   |   |  |

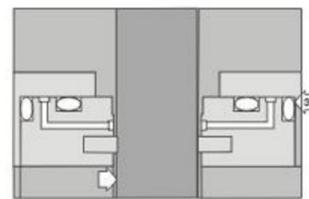
### 工作原理/Working principle



图(1)

1、阀门内部压力相当时(1),闸板处于闭合状态,阀座表面PTFE密封环形成初始密封,每次阀门开或关时,阀座圈能清洁闸板两侧。(如图1)

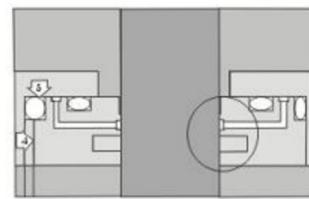
With equal pressure throughout the valve (and the gate in closed position), and initial seal (1) is formed with the raised PTFE ring on the faces of the seats. (The seat-inserts clean both sides of the gate when opening and closing)



图(2)

2、对阀门施加管道压力时(2),压力作用于闸板,迫使它贴近出口阀座上的PTFE环,压缩它直到闸板停在钢制阀座上,这样就形成了双重密封,首先是PTFE对金属密封,然后是金属对金属密封,阀座也被牢固地推到凹槽,在这一点(3),O形圈阻止任何后部介质流。(如图2)

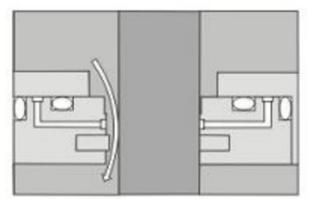
As line pressure (2) is applied to the valve, it acts on the gate, forcing it against the PTFE ring on the downstream seat, compressing it until the seat against the steel seat. Thus, a double seal is formed...first, a PTFE-to-metal seal; then, metal-to-metal. The seat is also forced firmly into its recess. The O-ring (3) prevents any downstream flow at this point.



图(3)

3、阀腔压力泄放后,形成进口密封,管道压力作用于进口阀座(4),使其移向闸板,这时形成PTFE对金属的密封,同时,O形圈(5)与阀座凹槽形成紧密的密封。(如图3)

Upstream seal is provided when valve cavity pressure is bled off. This is caused by the force of line pressure acting against the upstream seat (4) moving the seat against the gate and providing a tight PTFE-to-metal seal at this point. At the same time, the O-ring (5) forms a tight seal with the seat recess.



图(4)

4、阀门自动泄放多余的压力,当阀腔压力大于管道压力时,由于热膨胀,进口阀座推向凹槽,阀腔内多余的压力在阀座与闸板之间泄放到管道中。(如图4)

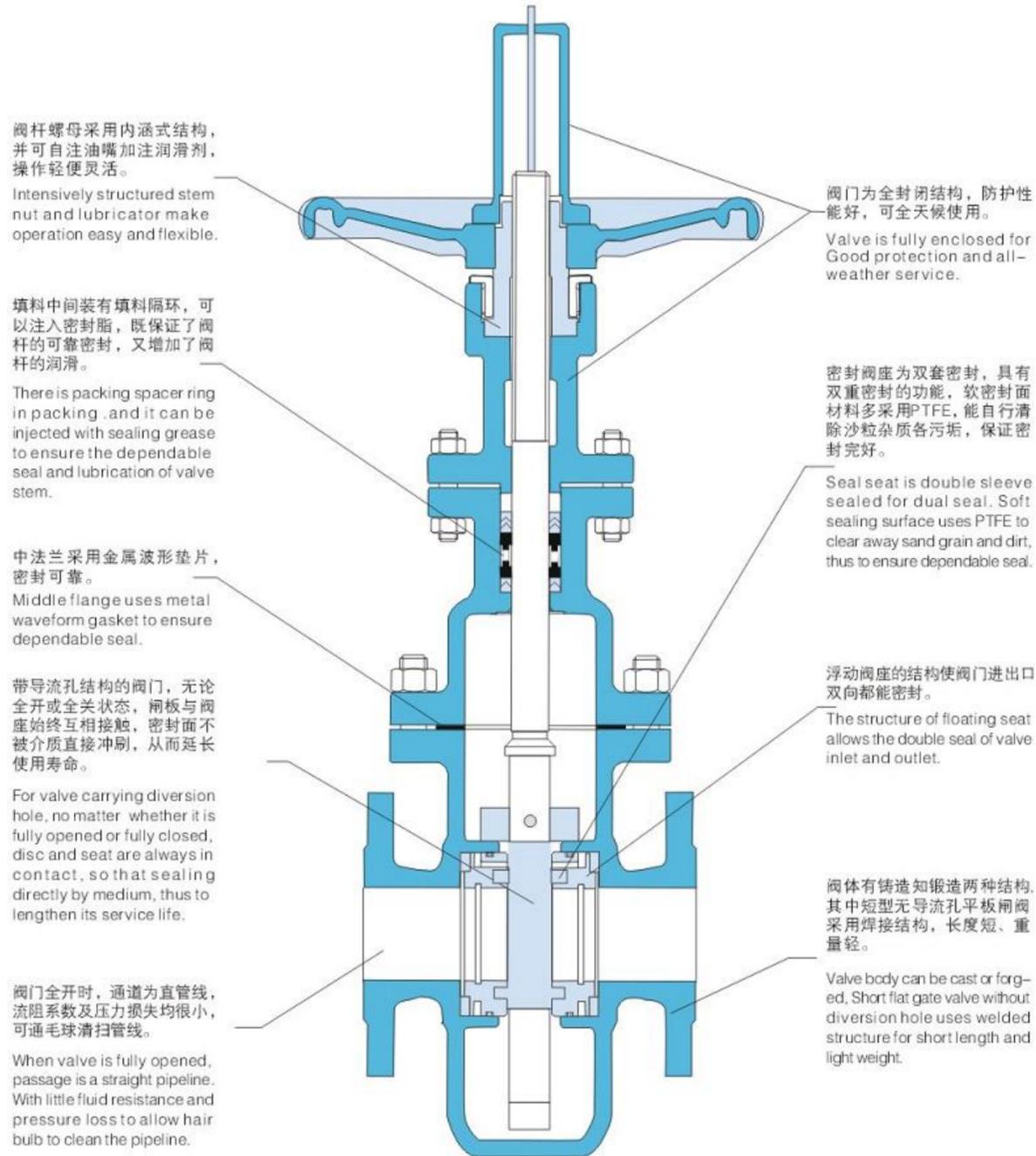
Valve automatically relieves itself of excessive valve cavity pressure. When valve cavity pressure exceeds line pressure...from such causes as thermal expansion...the upstream seat is forced back into its recess and the excess pressure in the valve cavity is bled between the seat and the gate into the line.

### 产品主要参数/Main parameter

|                              |  |          |   |                |
|------------------------------|--|----------|---|----------------|
| 基本型号<br>Models               | KG(K)Z43WF、KG(K)Z43WY、KG(K)Z43WD、KG(K)Z44WF、KG(K)Z44WY、KG(K)Z44WD<br>KG(K)Z543WF、KG(K)Z543WY、KG(K)Z543WD、KG(K)Z544WF、KG(K)Z544WY、KG(K)Z544WD<br>KG(K)Z643WF、KG(K)Z643WY、KG(K)Z643WD、KG(K)Z644WF、KG(K)Z644WY、KG(K)Z644WD<br>KG(K)Z943WF、KG(K)Z943WY、KG(K)Z943WD、KG(K)Z944WF、KG(K)Z944WY、KG(K)Z944WD |          |   |                |
| 压力等级范围<br>Pressure grade     | Class150 ~ 900   |          |   |                |
| 通径范围<br>Diameter             | 1' ~ 40'   |          |   |                |
| 驱动方式<br>Driving manner       | 手轮驱动<br>Hand wheel driving   |          | 齿轮动、气动、液动、电动<br>Gear driving, pneumatic driving, hydraulic driving and electric driving |                |
| 适用范围<br>Scope of application | Class150 ~ 300   | Class400 | Class600 ~ 900  | Class150 ~ 900 |
|                              | 1' ~ 40'   | 1' ~ 28' | 1' ~ 12'  | 1' ~ 40'       |

注:本公司可根据用户要求提供产品。  
Notes: Our company can provide products at customer's request.

平行式单闸板闸阀的结构特征/Design characteristics of parallel single disc gate valve

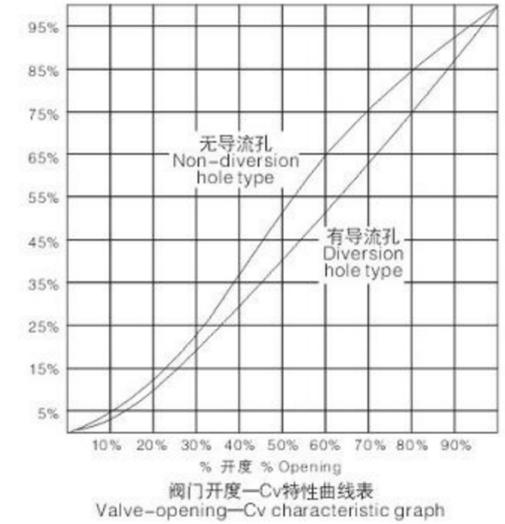


流量特性分析

带导流孔的平板闸阀，其流量特性等同于同规格的管道，呈等百分比特性，不带导流孔的平板闸阀，其中腔跨度较楔式闸阀小，且属于规则的圆柱体，所以，基本上除压力损失较带导流孔的大外，其余特性基本接近。不带导流孔调节型的平板闸阀其对流量的调节特性优于普通不带导流孔的平板闸阀。

Flow characteristics

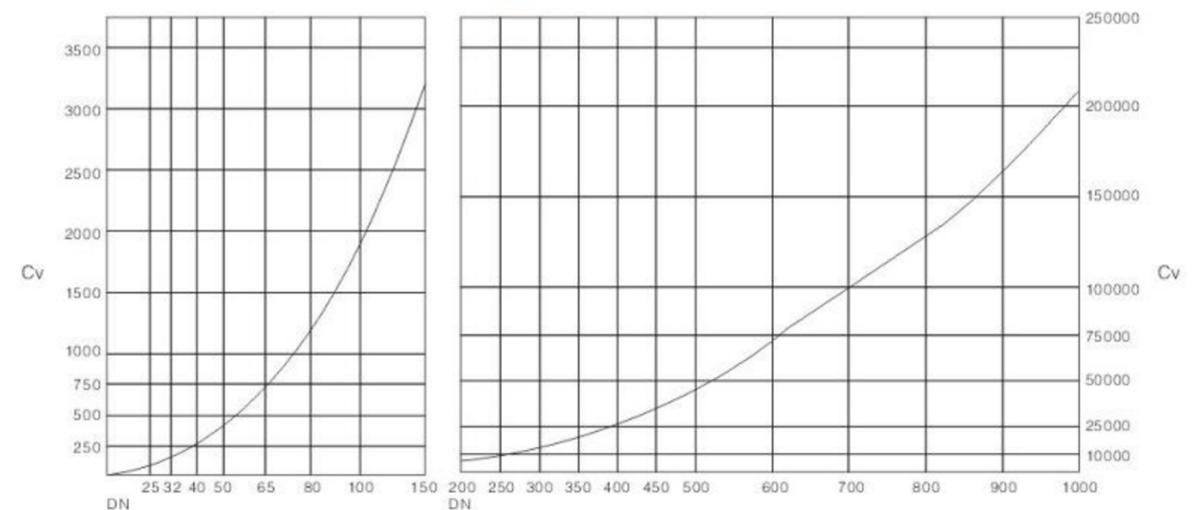
Flat gate valves with a diversion hole is equal to that of pipelines of the same specification. The characteristic is shown in per centum form. As for valves without a diversion hole, its cavity fly span is smaller than that of wedge gate valves and it is a regular cylindrical object, therefore, characteristics of the valves are similar except that they have a larger pressure loss. Besides, their flux adjustment behavior is better than that of the ones with a diversion hole.



各类型闸板外形图/Outline diagram of different types disc



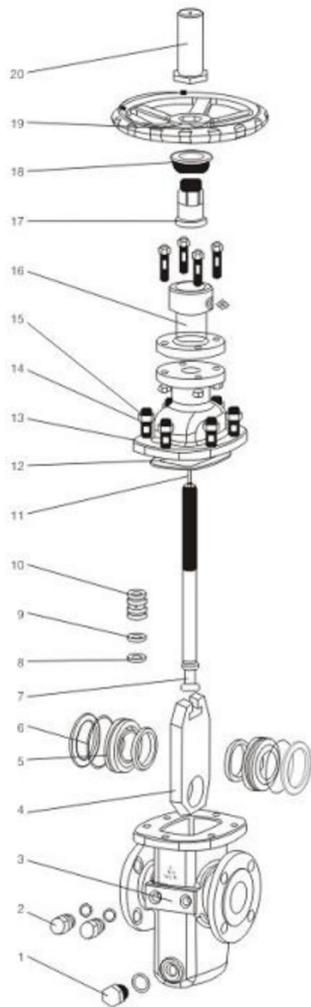
带导流孔型平板闸阀的DN—Cv曲线图/DN—Cv graph of flat valves with diversion hole



**产品采用标准/Technical specification**

|                                |              |                        |
|--------------------------------|--------------|------------------------|
| 设计标准 Design standard           |              | API 6D<br>ASME B16.34  |
| 结构长度<br>Face to face dimension | 法兰<br>Flange | API 6D<br>ASME B16.10  |
| 连接法兰 Flange connection         |              | ASME B16.5<br>MSS SP44 |
| 对焊端 Butt welded                |              | ASME B16.25            |
| 试验和检验 Test & inspection        |              | API 6D<br>API 598      |

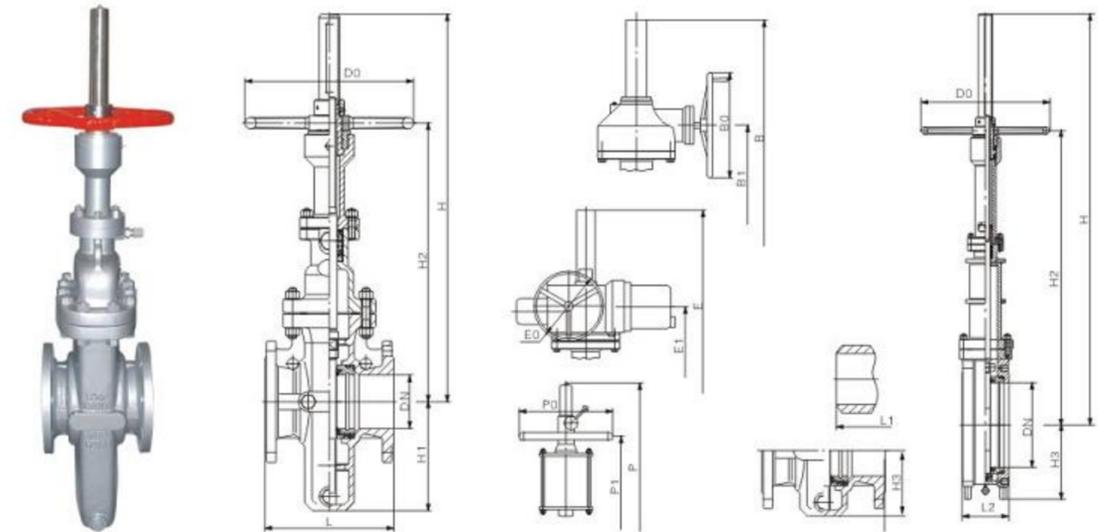
注：阀门连接法兰尺寸可根据用户要求设计制造。  
 Note: The sizes of flange can be designed according to customers' requirement.

**主要零件材料/Major parts material form**


| 零件名称<br>Accessory name      | 材料 Material              |                          |
|-----------------------------|--------------------------|--------------------------|
|                             | 普通型 Ordinary type        | 抗硫型 Antisulphur type     |
|                             | ASTM                     | ASTM                     |
| 排污堵头 Blowdown stops         | A105+Zn                  | A276-304                 |
| 注脂接头 Grease injection joint | A105+Zn                  | A105+Zn                  |
| 阀体 Body                     | A216-WCB                 | A216-WCB                 |
| 闸板 Gate disc                | A105+ENP                 | A276-304                 |
| 阀座 Seat                     | A105+PTFE                | A276-304+PTFE            |
| O形圈 O-Ring                  | NBR                      | FPM                      |
| 阀杆 Stem                     | A276-420                 | A276-304                 |
| 填料座 Packing seat            | A276-420                 | A276-420                 |
| Y型圈 Y ring                  | NBR                      | FPM                      |
| 密封套 Sealing shroud          | A276-420                 | A276-420                 |
| 指示杆 Indicating stem         | A276-304                 | A276-304                 |
| 垫片 Gasket                   | 柔性石墨+304<br>Graphite+304 | 柔性石墨+304<br>Graphite+304 |
| 阀盖 Bonnet                   | A216-WCB                 | A216-WCB                 |
| 螺柱 Stud                     | A193-B7                  | A193-B7                  |
| 螺母 Nut                      | A194-2H                  | A194-2H                  |
| 支架 Yoke                     | A216-WCB                 | A216-WCB                 |
| 阀杆螺母 Stem nut               | C95500                   | C95500                   |
| 压盖 Gland                    | A105                     | A105                     |
| 手轮 Hand wheel               | A536-60-40-18            | A536-60-40-18            |
| 指示罩 Indicating cover        | A105                     | A105                     |

注：阀门主要零部件材质可根据实际工况条件或用户特殊要求设计选用。  
 Notes: The major parts of the valves can be designed and selected according to actual work condition or customers' specific requirement.

压力 Pressure: PN1.6、2.5MPa PN2.0MPa(Class150)

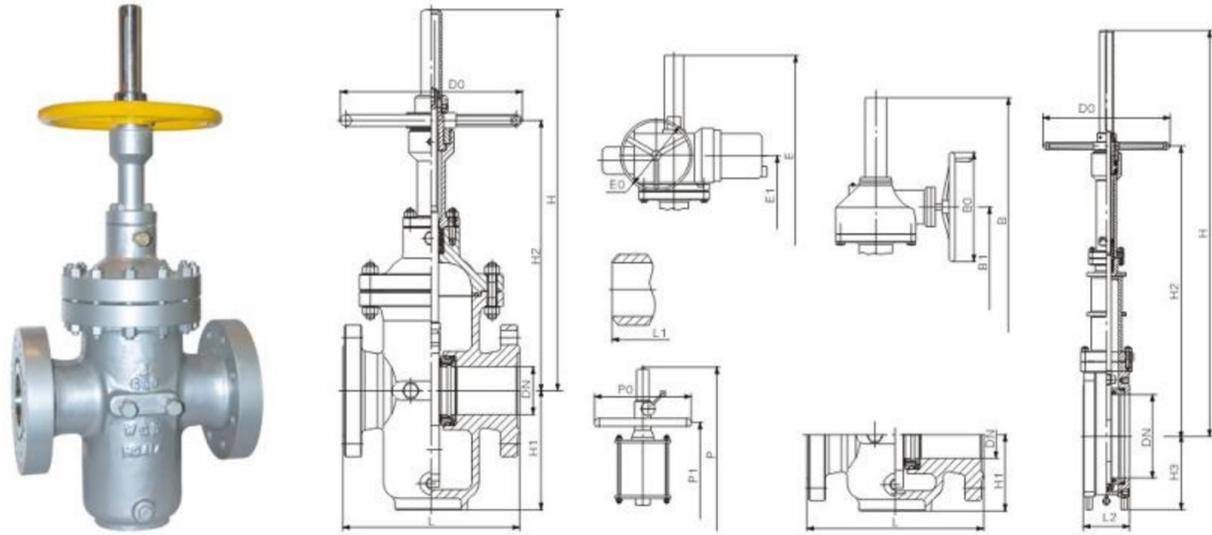

**主要外形尺寸/Main outline dimension**

型号 Model: (K)Z5(6、9)4(6)3(4)W(P)(F、Y、D)

| DN<br>(mm) | NPS<br>(in) | 法兰<br>Flange | 对焊<br>Butt<br>welded | 轻型<br>Light<br>duty | 手动<br>Hand<br>operated |      |      | 齿动<br>Gear<br>driving |      |     | 气动、液动<br>Pneumatic and<br>hydraulic driving |      |      | 电动<br>Electric<br>driving |      |      | 电动装置<br>Electric<br>driving<br>device | 无导流孔<br>Without<br>diversion<br>hole type | 有导流孔<br>Diversion<br>hole type |      |
|------------|-------------|--------------|----------------------|---------------------|------------------------|------|------|-----------------------|------|-----|---|------|------|---------------------------|------|------|---------------------------------------|---|--------------------------------|------|
|            |             | L            | L1                   | L2                  | H                      | H2   | D0   | B                     | B1   | B0  | P   | P1   | P0   | E                         | E1   | E0   |                                       | H3  | H1                             |      |
| 25         | 1           | 127          | 127                  | -                   | 360                    | 250  | 180  | -                     | -    | -   | -   | -    | -    | -                         | -    | -    | -                                     | 60  | 85                             |      |
| 32         | 1 1/4       | 140          | 140                  | -                   | 375                    | 260  | 180  | -                     | -    | -   | -   | -    | -    | -                         | -    | -    | -                                     | 71  | 103                            |      |
| 40         | 1 1/2       | 165          | 165                  | -                   | 410                    | 290  | 250  | -                     | -    | -   | -   | -    | -    | -                         | -    | -    | -                                     | 75  | 115                            |      |
| 50         | 2           | 178          | 216                  | -                   | 450                    | 315  | 250  | -                     | -    | -   | -   | 525  | 430  | 250                       | -    | -    | -                                     | 85  | 122                            |      |
| 65         | 2 1/2       | 190          | 241                  | -                   | 550                    | 420  | 300  | -                     | -    | -   | -   | 648  | 560  | 300                       | -    | -    | -                                     | 91  | 154                            |      |
| 80         | 3           | 203          | 283                  | -                   | 610                    | 428  | 300  | -                     | -    | -   | -   | 730  | 630  | 300                       | -    | -    | -                                     | 109                                       | 169                            |      |
| 100        | 4           | 229          | 305                  | 150                 | 700                    | 494  | 300  | 770                   | 650  | 310 | BA-0  | 850  | 720  | 300                       | 912  | 790  | 200                                   | SMC-04                                    | 121                            | 193  |
| 150        | 6           | 267          | 403                  | 150                 | 895                    | 625  | 350  | 965                   | 800  | 310 | BA-0  | 1120 | 920  | 350                       | 1107 | 920  | 500                                   | SMC-03                                    | 178                            | 283  |
| 200        | 8           | 292          | 419                  | 180                 | 1130                   | 784  | 350  | 1200                  | 960  | 310 | BA-0  | 1430 | 1160 | 350                       | 1390 | 1120 | 500                                   | SMC-03                                    | 211                            | 352  |
| 250        | 10          | 330          | 457                  | 180                 | 1290                   | 937  | 400  | 1360                  | 1080 | 310 | BA-0  | 1665 | 1380 | 400                       | 1550 | 1250 | 500                                   | SMC-03                                    | 215                            | 440  |
| 300        | 12          | 356          | 502                  | 200                 | 1480                   | 1080 | 450  | 1560                  | 1200 | 310 | BA-0  | 1930 | 1550 | 450                       | 1740 | 1400 | 305                                   | SMC-00                                    | 245                            | 514  |
| 350        | 14          | 381          | 572                  | 200                 | 1660                   | 1283 | 500  | 1740                  | 1350 | 460 | BA-1  | 2185 | 1750 | 450                       | 1913 | 1550 | 305                                   | SMC-00                                    | 280                            | 602  |
| 400        | 16          | 406          | 610                  | 218                 | 1850                   | 1417 | 500  | 1930                  | 1500 | 460 | BA-1  | 2450 | 2000 | 500                       | 2103 | 1620 | 305                                   | SMC-00                                    | 310                            | 678  |
| 450        | 18          | 432          | 660                  | 218                 | 2080                   | 1489 | 600  | 2160                  | 1680 | 460 | BA-1  | 2755 | 2250 | 500                       | 2365 | 1830 | 305                                   | SMC-0                                     | 346                            | 785  |
| 500        | 20          | 457          | 711                  | 229                 | 2300                   | 1672 | 700  | 2420                  | 1850 | 460 | BA-1  | 3050 | 2450 | 600                       | 2585 | 1980 | 305                                   | SMC-0                                     | 363                            | 855  |
| 600        | 24          | 508          | 813                  | 248                 | 2680                   | 2012 | 800  | 2800                  | 2120 | 460 | BA-2  | 3580 | 2900 | 800                       | 2990 | 2300 | 305                                   | SMC-1                                     | 442                            | 1045 |
| 700        | 28          | 610          | 914                  | 286                 | 3080                   | 2250 | 800  | 3200                  | 2450 | 460 | BA-2  | 4130 | 3350 | 800                       | 3390 | 2600 | 305                                   | SMC-1                                     | 505                            | 1190 |
| 800        | 32          | 660          | 965                  | 286                 | 3491                   | 2550 | 1000 | 3640                  | 2800 | 460 | BA-2  | -    | -    | -                         | 3850 | 2980 | 305                                   | SMC-1                                     | 560                            | 1350 |
| 900        | 36          | 711          | 1016                 | -                   | 3897                   | 2850 | 1000 | 4050                  | 3080 | 600 | BA-3  | -    | -    | -                         | 4260 | 3200 | 458                                   | SMC-2                                     | 610                            | 1510 |
| 1000       | 40          | 811          | -                    | -                   | 4317                   | 3250 | 1200 | 4467                  | 3400 | 600 | BA-3  | -    | -    | -                         | 4677 | 3600 | 458                                   | SMC-2                                     | 715                            | 1715 |

注：(k)表示抗硫阀  
 K-Antisulphur valve

压力Pressure: PN4.0MPa PN5.0MPa(Class300)



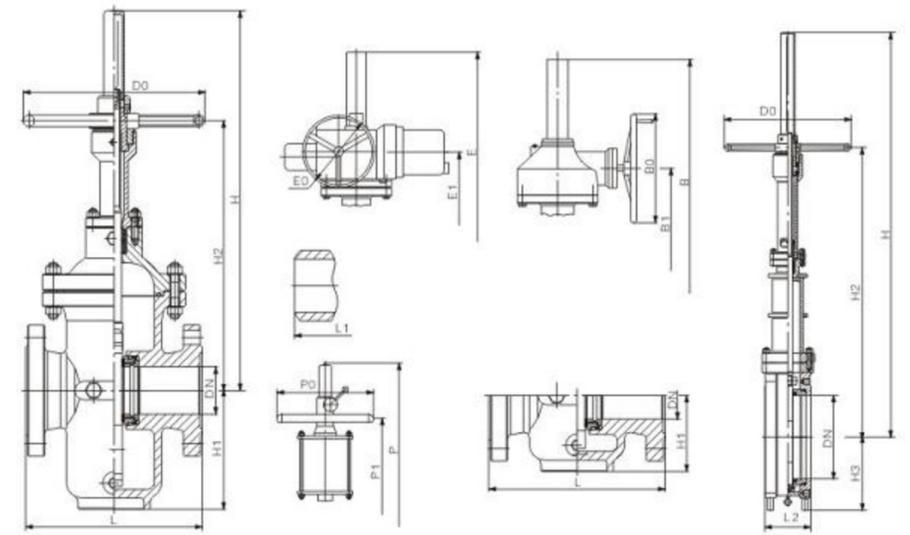
主要外形尺寸/Main outline dimension

型号 Model: (K)Z5(6、9)4(6)3(4)W(P)(F、Y、D)

| DN<br>(mm) | NPS<br>(in) | 法兰 Flange |      | 对焊<br>Butt<br>welded<br>L1 | 轻型<br>Light<br>duty<br>L2 | 手动<br>Hand operated |      |     | 齿动<br>Gear driving |      |     | 气动、液动<br>Pneumatic and<br>hydraulic driving |      |      | 电动<br>Electric<br>driving |      |      | 电动装置<br>Electric<br>driving<br>device | 无导流孔<br>Without<br>diversion<br>hole type<br>H3 | 有导流孔<br>Diversion<br>hole type<br>H1 |      |
|------------|-------------|-----------|------|----------------------------|---------------------------|---------------------|------|-----|--------------------|------|-----|---|------|------|---------------------------|------|------|---------------------------------------|---|--------------------------------------|------|
|            |             | L         |      |                            |                           | H                   | H2   | D0  | B                  | B1   | B0  | P   | P1   | P0   | E                         | E1   | E0   |                                       |   |                                      |      |
|            |             | GB        | API  |                            |                           |                     |      |     |                    |      |     |   |      |      |                           |      |      |                                       |   |                                      |      |
| 25         | 1           | 165       | 165  | 165                        | -                         | 370                 | 260  | 180 | -                  | -    | -   | -   | -    | -    | -                         | -    | -    | -                                     | 70  | 90                                   |      |
| 32         | 1 1/4       | 178       | 178  | 178                        | -                         | 385                 | 270  | 180 | -                  | -    | -   | -   | -    | -    | -                         | -    | -    | -                                     | 80  | 115                                  |      |
| 40         | 1 1/2       | 190       | 190  | 190                        | -                         | 420                 | 300  | 250 | -                  | -    | -   | -   | -    | -    | -                         | -    | -    | -                                     | 85  | 130                                  |      |
| 50         | 2           | 216       | 216  | 216                        | -                         | 458                 | 325  | 250 | -                  | -    | -   | -   | 533  | 435  | 200                       | -    | -    | -                                     | 100   | 137                                  |      |
| 65         | 2 1/2       | 241       | 241  | 241                        | -                         | 555                 | 420  | 300 | -                  | -    | -   | -   | 653  | 565  | 200                       | -    | -    | -                                     | 106   | 169                                  |      |
| 80         | 3           | 283       | 283  | 283                        | -                         | 615                 | 430  | 300 | -                  | -    | -   | -   | 735  | 635  | 250                       | -    | -    | -                                     | 124   | 184                                  |      |
| 100        | 4           | 305       | 305  | 305                        | 150                       | 710                 | 500  | 300 | 770                | 650  | 310 | BA-0  | 860  | 730  | 250                       | 912  | 790  | 200                                   | SMC-04  | 146                                  | 218  |
| 150        | 6           | 403       | 403  | 403                        | 150                       | 900                 | 625  | 350 | 965                | 800  | 310 | BA-0  | 1125 | 925  | 350                       | 1155 | 960  | 500                                   | SMC-03  | 206                                  | 311  |
| 200        | 8           | 419       | 419  | 419                        | 180                       | 1135                | 790  | 350 | 1200               | 960  | 310 | BA-0  | 1435 | 1165 | 350                       | 1390 | 1120 | 305                                   | SMC-00  | 241                                  | 382  |
| 250        | 10          | 457       | 457  | 457                        | 180                       | 1401                | 1040 | 400 | 1360               | 1090 | 310 | BA-0  | 1776 | 1450 | 400                       | 1543 | 1240 | 305                                   | SMC-00  | 251                                  | 476  |
| 300        | 12          | 502       | 502  | 502                        | 200                       | 1580                | 1150 | 450 | 1560               | 1200 | 310 | BA-1  | 2030 | 1620 | 450                       | 1745 | 1400 | 305                                   | SMC-0   | 281                                  | 545  |
| 350        | 14          | 572       | 762  | 762                        | 200                       | -                   | -    | -   | 1740               | 1350 | 460 | BA-1  | 2305 | 1900 | 500                       | 1945 | 1580 | 305                                   | SMC-0   | 325                                  | 645  |
| 400        | 16          | 610       | 838  | 838                        | 218                       | -                   | -    | -   | 1930               | 1540 | 460 | BA-1  | 2558 | 2100 | 600                       | 2135 | 1640 | 305                                   | SMC-0   | 360                                  | 728  |
| 450        | 18          | 660       | 914  | 914                        | 218                       | -                   | -    | -   | 2160               | 1700 | 460 | BA-1  | 2835 | 2320 | 700                       | 2385 | 1840 | 305                                   | SMC-1   | 400                                  | 800  |
| 500        | 20          | 711       | 991  | 991                        | 229                       | -                   | -    | -   | 2420               | 1850 | 460 | BA-2  | 3120 | 2510 | 800                       | 2660 | 2050 | 305                                   | SMC-1   | 430                                  | 930  |
| 600        | 24          | 787       | 1143 | 1143                       | 248                       | -                   | -    | -   | 2800               | 2120 | 460 | BA-2  | 3670 | 2980 | 900                       | 3010 | 2310 | 305                                   | SMC-1   | 497                                  | 1100 |
| 700        | 28          | 914       | 1346 | 1346                       | 286                       | -                   | -    | -   | 3200               | 2460 | 460 | BA-2  | -    | -    | -                         | 3480 | 2680 | 458                                   | SMC-2   | 560                                  | 1260 |
| 800        | 32          | 965       | 1524 | 1524                       | 286                       | -                   | -    | -   | 3640               | 2800 | 460 | BA-2  | -    | -    | -                         | 3890 | 3020 | 458                                   | SMC-2   | 620                                  | 1420 |
| 900        | 36          | 1016      | 1727 | 1727                       | -                         | -                   | -    | -   | 4050               | 3080 | 600 | BA-3  | -    | -    | -                         | 4260 | 3200 | 458                                   | SMC-2   | 610                                  | 1510 |

注: (k)表示抗硫阀  
K-Antisulphur valve

压力Pressure: PN6.4MPa (Class400)



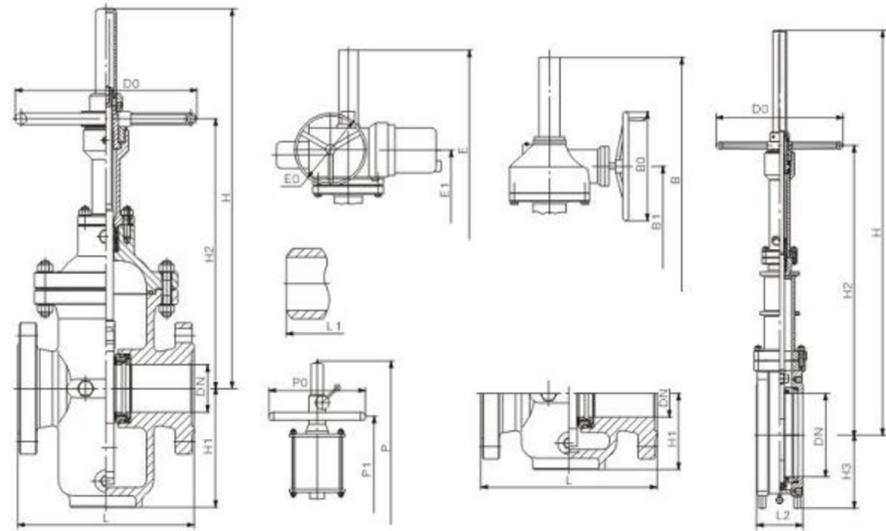
主要外形尺寸/Main outline dimension

型号 Model: (K)Z5(6、9)4(6)3(4)W(F、Y、D)

| DN<br>(mm) | NPS<br>(in) | 法兰 Flange |      | 对焊<br>Butt<br>welded<br>L1 | 手动<br>Hand operated |      |     | 齿动<br>Gear driving |      |     | 气动、液动<br>Pneumatic and<br>hydraulic driving |      |      | 电动<br>Electric<br>driving |      |      | 电动装置<br>Electric<br>driving<br>device | 无导流孔<br>Without<br>diversion<br>hole type<br>H3 | 有导流孔<br>Diversion<br>hole type<br>H1 |      |
|------------|-------------|-----------|------|----------------------------|---------------------|------|-----|--------------------|------|-----|---|------|------|---------------------------|------|------|---------------------------------------|---|--------------------------------------|------|
|            |             | L         |      |                            | H                   | H2   | D0  | B                  | B1   | B0  | P   | P1   | P0   | E                         | E1   | E0   |                                       |   |                                      |      |
|            |             | GB        | API  |                            |                     |      |     |                    |      |     |   |      |      |                           |      |      |                                       |   |                                      |      |
| 50         | 2           | 216       | 292  | 292                        | 458                 | 325  | 300 | 505                | 430  | 310 | BA-0  | 533  | 435  | 200                       | 647  | 560  | 200                                   | SMC-04  | 108                                  | 158  |
| 65         | 2 1/2       | 241       | 330  | 330                        | 555                 | 420  | 300 | 560                | 470  | 310 | BA-0  | 653  | 565  | 200                       | 702  | 610  | 200                                   | SMC-04  | 125                                  | 190  |
| 80         | 3           | 283       | 356  | 356                        | 615                 | 430  | 350 | 610                | 510  | 310 | BA-0  | 735  | 635  | 250                       | 752  | 650  | 500                                   | SMC-03  | 145                                  | 225  |
| 100        | 4           | 305       | 406  | 406                        | 710                 | 500  | 350 | 770                | 650  | 310 | BA-0  | 860  | 730  | 250                       | 912  | 790  | 500                                   | SMC-03  | 165                                  | 255  |
| 150        | 6           | 403       | 495  | 495                        | 900                 | 625  | 400 | 965                | 800  | 310 | BA-0  | 1125 | 925  | 350                       | 1138 | 950  | 305                                   | SMC-00  | 220                                  | 330  |
| 200        | 8           | 419       | 597  | 597                        | 1135                | 790  | 500 | 1200               | 960  | 310 | BA-0  | 1435 | 1165 | 350                       | 1373 | 1100 | 305                                   | SMC-00  | 280                                  | 410  |
| 250        | 10          | 457       | 673  | 673                        | 1401                | 1040 | 500 | 1370               | 1090 | 460 | BA-1  | 1776 | 1450 | 400                       | 1575 | 1280 | 305                                   | SMC-0   | 330                                  | 490  |
| 300        | 12          | 502       | 762  | 762                        | 1580                | 1150 | 600 | 1560               | 1200 | 460 | BA-1  | 2030 | 1620 | 450                       | 1725 | 1390 | 305                                   | SMC-0   | 380                                  | 570  |
| 350        | 14          | 572       | 826  | 826                        | -                   | -    | -   | 1740               | 1350 | 460 | BA-1  | 2305 | 1900 | 500                       | 1930 | 1570 | 305                                   | SMC-1   | 430                                  | 650  |
| 400        | 16          | 610       | 902  | 902                        | -                   | -    | -   | 1970               | 1540 | 460 | BA-2  | 2558 | 2100 | 600                       | 2210 | 1700 | 305                                   | SMC-1   | 480                                  | 735  |
| 450        | 18          | 660       | 978  | 978                        | -                   | -    | -   | 2260               | 1700 | 460 | BA-2  | 2835 | 2320 | 700                       | 2500 | 1940 | 305                                   | SMC-1   | 530                                  | 810  |
| 500        | 20          | 711       | 1054 | 1054                       | -                   | -    | -   | 2420               | 1850 | 460 | BA-2  | 3120 | 2510 | 800                       | 2630 | 2020 | 458                                   | SMC-2   | 580                                  | 905  |
| 600        | 24          | 787       | 1232 | 1232                       | -                   | -    | -   | 2800               | 2120 | 600 | BA-3  | -    | -    | -                         | 3050 | 2350 | 458                                   | SMC-2   | 670                                  | 1070 |
| 700        | 28          | 914       | 1397 | 1397                       | -                   | -    | -   | 3230               | 2460 | 600 | BA-3  | -    | -    | -                         | 3480 | 2680 | 458                                   | SMC-2   | 770                                  | 1230 |

注: (k)表示抗硫阀  
K-Antisulphur valve

压力Pressure:PN10.0MPa (Class600)



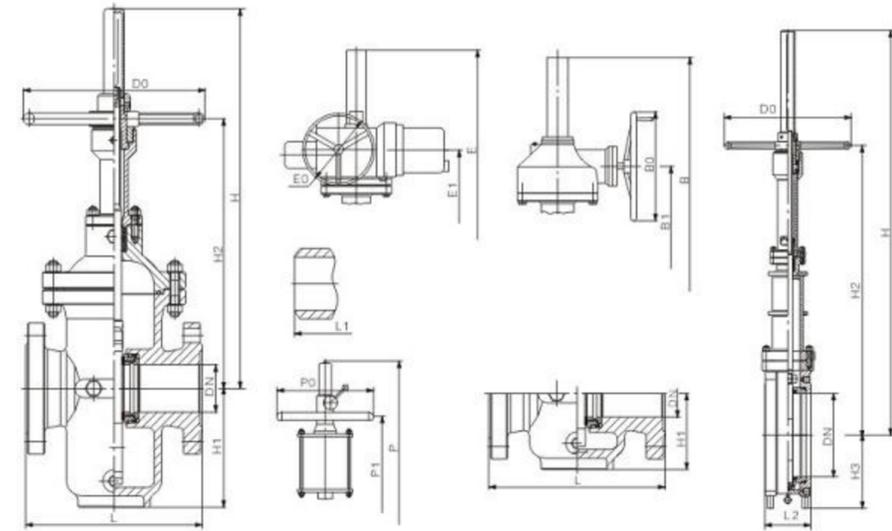
主要外形尺寸/Main outline dimension

型号 Model: (K)Z5(6、9)4(6)3(4)W(F、Y、D)

| DN<br>(mm) | NPS<br>(in) | 法兰 Flange |      | 对焊<br>Butt<br>welded | 手动<br>Hand operated |      |     | 齿动<br>Gear driving |      |     | 齿动装置<br>Gear<br>driving<br>device | 气动、液动<br>Pneumatic and<br>hydraulic driving |      |     | 电 动<br>Electric<br>driving |      |     | 电动装置<br>Electric<br>driving<br>device | 无导流孔<br>Without<br>diversion<br>hole type | 有导流孔<br>Diverson<br>hole type |
|------------|-------------|-----------|------|----------------------|---------------------|------|-----|--------------------|------|-----|-----------------------------------|---|------|-----|----------------------------|------|-----|---------------------------------------|---|-------------------------------|
|            |             | L         |      |                      | H                   | H2   | D0  | B                  | B1   | B0  |                                   | P   | P1   | P0  | E                          | E1   | E0  |                                       |   |                               |
|            |             | GB        | API  | L1                   | H                   | H2   | D0  | B                  | B1   | B0  | P                                 | P1  | P0   | E   | E1                         | E0   | H3  | H1                                    |   |                               |
| 50         | 2           | 250       | 292  | 292                  | 468                 | 335  | 300 | 505                | 430  | 310 | BA-0                              | 543   | 445  | 200 | 647                        | 560  | 200 | SMC-04                                | 108                                       | 158                           |
| 65         | 2 1/2       | 280       | 330  | 330                  | 565                 | 430  | 300 | 560                | 470  | 310 | BA-0                              | 663   | 570  | 200 | 702                        | 610  | 200 | SMC-04                                | 125                                       | 190                           |
| 80         | 3           | 310       | 356  | 356                  | 625                 | 440  | 350 | 610                | 510  | 310 | BA-0                              | 745   | 640  | 250 | 752                        | 650  | 500 | SMC-03                                | 145                                       | 225                           |
| 100        | 4           | 350       | 432  | 432                  | 720                 | 510  | 350 | 770                | 650  | 310 | BA-0                              | 870   | 740  | 250 | 950                        | 820  | 500 | SMC-03                                | 165                                       | 255                           |
| 150        | 6           | 450       | 559  | 559                  | 910                 | 630  | 400 | 965                | 800  | 310 | BA-0                              | 1135  | 930  | 350 | 1138                       | 950  | 305 | SMC-0                                 | 220                                       | 330                           |
| 200        | 8           | 550       | 660  | 660                  | 1145                | 800  | 500 | 1200               | 960  | 310 | BA-1                              | 1445  | 1170 | 350 | 1403                       | 1130 | 305 | SMC-0                                 | 280                                       | 410                           |
| 250        | 10          | 650       | 787  | 787                  | 1411                | 1050 | 500 | 1370               | 1090 | 460 | BA-1                              | 1786  | 1460 | 400 | 1575                       | 1280 | 305 | SMC-0                                 | 330                                       | 490                           |
| 300        | 12          | 750       | 838  | 838                  | 1590                | 1160 | 600 | 1560               | 1200 | 460 | BA-1                              | 2040  | 1630 | 450 | 1750                       | 1410 | 305 | SMC-1                                 | 380                                       | 570                           |
| 350        | 14          | 850       | 889  | 889                  | -                   | -    | -   | 1740               | 1350 | 460 | BA-2                              | -   | -    | -   | 1930                       | 1570 | 305 | SMC-1                                 | 430                                       | 650                           |
| 400        | 16          | 950       | 991  | 991                  | -                   | -    | -   | 1970               | 1540 | 460 | BA-2                              | -   | -    | -   | 2210                       | 1700 | 305 | SMC-1                                 | 480                                       | 735                           |
| 450        | 18          | 1050      | 1092 | 1092                 | -                   | -    | -   | 2260               | 1700 | 460 | BA-2                              | -   | -    | -   | 2500                       | 1940 | 458 | SMC-2                                 | 530                                       | 810                           |
| 500        | 20          | 1150      | 1194 | 1194                 | -                   | -    | -   | 2420               | 1850 | 460 | BA-2                              | -   | -    | -   | 2630                       | 2020 | 458 | SMC-2                                 | 580                                       | 905                           |

注: (k)表示抗硫阀  
K-Antisulphur valve

压力Pressure:PN16.0MPa (Class900)



主要外形尺寸/Main outline dimension

型号 Model: (K)Z5(6、9)4(6)3(4)W(F、Y、D)

| DN<br>(mm) | NPS<br>(in) | 法兰 Flange |     | 对焊<br>Butt<br>welded | 手动<br>Hand operated |      |     | 齿动<br>Gear driving |      |     | 齿动装置<br>Gear<br>driving<br>device | 气动、液动<br>Pneumatic and<br>hydraulic driving |      |     | 电 动<br>Electric<br>driving |      |     | 电动装置<br>Electric<br>driving<br>device | 无导流孔<br>Without<br>diversion<br>hole type | 有导流孔<br>Diverson<br>hole type |
|------------|-------------|-----------|-----|----------------------|---------------------|------|-----|--------------------|------|-----|-----------------------------------|---|------|-----|----------------------------|------|-----|---------------------------------------|---|-------------------------------|
|            |             | L         |     |                      | H                   | H2   | D0  | B                  | B1   | B0  |                                   | P   | P1   | P0  | E                          | E1   | E0  |                                       |   |                               |
|            |             | GB        | API | L1                   | H                   | H2   | D0  | B                  | B1   | B0  | P                                 | P1  | P0   | E   | E1                         | E0   | H3  | H1                                    |   |                               |
| 50         | 2           | 300       | 368 | 368                  | 473                 | 335  | 300 | 525                | 450  | 310 | BA-0                              | 548   | 450  | 250 | 647                        | 560  | 500 | SMC-03                                | 108                                       | 158                           |
| 65         | 2 1/2       | 340       | 419 | 419                  | 570                 | 435  | 300 | 585                | 490  | 310 | BA-0                              | 668   | 580  | 300 | 702                        | 610  | 500 | SMC-03                                | 125                                       | 190                           |
| 80         | 3           | 380       | 381 | 381                  | 630                 | 445  | 350 | 635                | 530  | 310 | BA-0                              | 750   | 650  | 350 | 752                        | 650  | 305 | SMC-00                                | 145                                       | 225                           |
| 100        | 4           | 430       | 457 | 457                  | 725                 | 515  | 350 | 800                | 680  | 310 | BA-0                              | 875   | 745  | 400 | 950                        | 820  | 305 | SMC-00                                | 165                                       | 255                           |
| 150        | 6           | 500       | 610 | 610                  | 915                 | 640  | 400 | 995                | 830  | 310 | BA-1                              | 1140  | 940  | 500 | 1138                       | 950  | 305 | SMC-0                                 | 220                                       | 330                           |
| 200        | 8           | 580       | 737 | 737                  | 1150                | 800  | 500 | 1250               | 1000 | 460 | BA-1                              | 1450  | 1180 | 550 | 1403                       | 1130 | 305 | SMC-0                                 | 280                                       | 410                           |
| 250        | 10          | 680       | 838 | 838                  | 1416                | 1055 | 500 | 1420               | 1140 | 460 | BA-1                              | 1791  | 1465 | 600 | 1575                       | 1280 | 305 | SMC-1                                 | 330                                       | 490                           |
| 300        | 12          | 775       | 965 | 965                  | 1595                | 1165 | 600 | 1600               | 1230 | 460 | BA-2                              | 2045  | 1635 | 700 | 1750                       | 1410 | 305 | SMC-1                                 | 380                                       | 570                           |

注: (k)表示抗硫阀  
K-Antisulphur valve

产品执行标准/Applicable standard

| 产品规范<br>Product specification | 设计规范<br>Design standard | 结构长度<br>Face to face dimension | 连接法兰<br>Flange connection | 试验与检验<br>Test & inspection | 压力-温度<br>Pressure-temp | 产品标识<br>Marking |
|-------------------------------|-------------------------|--------------------------------|---------------------------|----------------------------|------------------------|-----------------|
|                               | JB/T 5298               | JB/T 5298                      | JB/T 79                   | JB/T 5298                  | GB 9131                | GB/T 12220      |

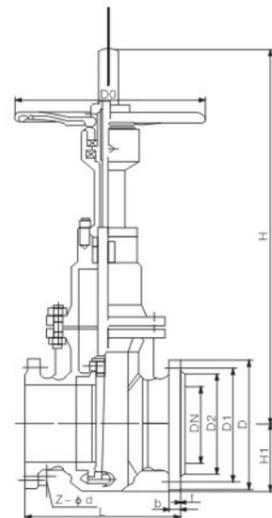
产品性能规范/Performance specification

| 压力等级<br>Pressure                  | 常温下压力试验 (MPa)<br>Pressure test under normal temperature |                     |                      |                              |     | 适用温度<br>Applicable temp |         |         | 适用介质<br>Applicable medium  |                                   |
|-----------------------------------|---|---------------------|----------------------|------------------------------|-----|-------------------------|---------|---------|--|-----------------------------------|
|                                   | 壳体实验<br>Shell test                                      | 左密封<br>Left sealing | 右密封<br>Right sealing | 低压密封<br>Low pressure sealing |     | "G" 型                   | "D" 型   | 普通型     | "抗硫" 型   | "基本" 型                            |
| 公称压力<br>Nominal pressure<br>(MPa) | 1.6   | 2.4                 | 1.8                  | 1.8                          | 0.6 | -29~250                 | -46~121 | -29~121 | 含H <sub>2</sub> O和<br>Co <sub>2</sub><br>500Mg/m <sup>3</sup><br>的介质 | 石油、<br>天然气、<br>水等<br>Oil<br>water |
|                                   | 2.5   | 3.8                 | 2.8                  | 2.8                          | 0.6 |                         |         |         |  |                                   |
|                                   | 4.0   | 6.0                 | 4.4                  | 4.4                          | 0.6 |                         |         |         |  |                                   |
|                                   | 6.4   | 9.6                 | 7.1                  | 7.1                          | 0.6 |                         |         |         |  |                                   |

主要零件材料/Main part materials

| 零件名称<br>Accessory name      | 材料 Material                        |                          |                                    |                          |
|-----------------------------|------------------------------------|--------------------------|------------------------------------|--------------------------|
|                             | 普通型 Ordinary type                  |                          | 抗硫型 Antisulphur type               |                          |
|                             | GB                                 | ASTM                     | GB                                 | ASTM                     |
| 排污堵头 Blowdown stops         | 25+Zn                              | A105+Zn                  | 1Cr18Ni9                           | A276-304                 |
| 注脂接头 Grease injection joint | 25+Zn                              | A105+Zn                  | 25+Zn                              | A105+Zn                  |
| 阀体 Body                     | WCB                                | A216-WCB                 | WCB                                | A216-WCB                 |
| 闸板 Gate disc                | 16Mn+ENP                           | A105+ENP                 | 1Cr18Ni9                           | A276-304                 |
| 阀座 Seat                     | 16Mn+PTFE                          | A105+PTFE                | 1Cr18Ni9+PTFE                      | A276-304+PTFE            |
| O形圈 O-Ring                  | NBR                                | NBR                      | FPM                                | FPM                      |
| 阀杆 Stem                     | 2Cr13                              | A276-420                 | 1Cr18Ni9                           | A276-304                 |
| 填料座 Packing seat            | 2Cr13                              | A276-420                 | 2Cr13                              | A276-420                 |
| Y型圈 "Y" ring                | NBR                                | NBR                      | FPM                                | FPM                      |
| 密封套 Sealing shroud          | 2Cr13                              | A276-420                 | 2Cr13                              | A276-420                 |
| 指示杆 Indicating stem         | 1Cr18Ni9                           | A276-304                 | 1Cr18Ni9                           | A276-304                 |
| 垫片 Gasket                   | 柔性石墨+1Cr18Ni9<br>Graphite+1Cr18Ni9 | 柔性石墨+304<br>Graphite+304 | 柔性石墨+1Cr18Ni9<br>Graphite+1Cr18Ni9 | 柔性石墨+304<br>Graphite+304 |
| 阀盖 Bonnet                   | WCB                                | A216-WCB                 | WCB                                | A216-WCB                 |
| 螺柱 Stud                     | 35CrMoA                            | A193-B7                  | 35CrMoA                            | A193-B7                  |
| 螺母 Nut                      | 45                                 | A194-2H                  | 45                                 | A194-2H                  |
| 支架 Yoke                     | WCB                                | A216-WCB                 | WCB                                | A216-WCB                 |
| 阀杆螺母 Stem nut               | ZQA19-4                            | C95200                   | ZQA19-4                            | C95200                   |
| 压盖 Gland                    | 25                                 | A105                     | 25                                 | A105                     |
| 手轮 Hand wheel               | QT400-18                           | A536-60-40-18            | QT400-18                           | A536-60-40-18            |
| 指示罩 Indicating cover        | 25                                 | A105                     | 25                                 | A105                     |

注：阀门主要零部件材质可根据实际工况条件或用户特殊要求设计选用。  
Notes: The major parts of the valves can be designed and selected according to actual work condition or customers' specific requirement.



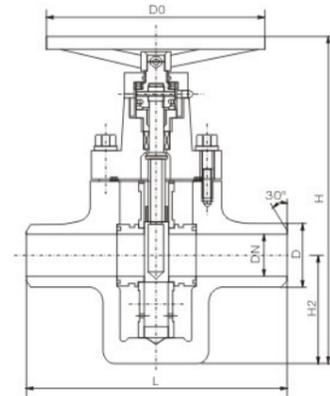
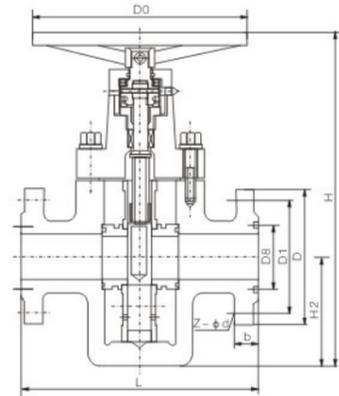
型号: (K)WPZ43F  
(K)WPZ44F  
PN1.6~10.0

# Other Gate Valve Series

其它闸阀系列

Keeping pace with the times  
Reviving upon science & technology  
与时俱进 / 科技兴业……



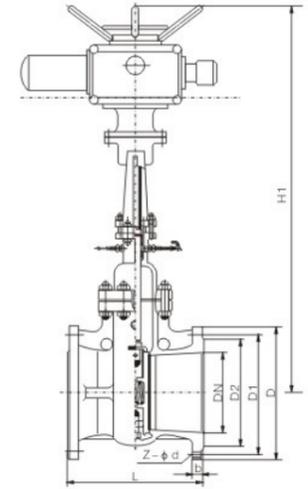
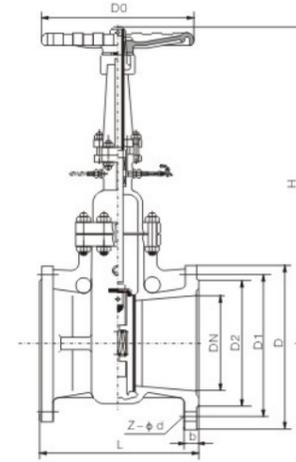


主要外形尺寸和重量/Main outline dimensions & weight

| 型号 Type                     | Z43Y-160 Z43Y-200 Z43Y-250 |     |       |        |       |       |     |     |     | WT (kg) |
|-----------------------------|----------------------------|-----|-------|--------|-------|-------|-----|-----|-----|---------|
| 公称通径 DN<br>Nominal diameter | PN16.0MPa                  |     |       |        |       |       |     |     |     |         |
|                             | L                          | D   | D1    | D8     | b     | Z-φd  | H   | H2  | D0  |         |
| 50                          | 280                        | 216 | 165.1 | 95.25  | 46    | 8-26  | 520 | 112 | 350 | 110     |
| 65                          | 315                        | 244 | 190.5 | 107.95 | 49.2  | 8-29  | 570 | 138 | 350 | 140     |
| 80                          | 380                        | 267 | 203.2 | 136.53 | 55.6  | 8-32  | 625 | 163 | 350 | 180     |
| 100                         | 425                        | 292 | 235   | 149.23 | 52.4  | 8-32  | 650 | 193 | 470 | 230     |
| 150                         | 530                        | 342 | 280   | 181    | 62    | 12-35 | 700 | 272 | 470 | 290     |
| 200                         | 620                        | 392 | 362   | 231    | 92.10 | 12-35 | 760 | 352 | 600 | 380     |
|                             | PN20.0MPa                  |     |       |        |       |       |     |     |     |         |
| 50                          | 340                        | 216 | 165.1 | 95.25  | 46    | 8-26  | 530 | 122 | 350 | 110     |
| 65                          | 380                        | 244 | 190.1 | 107.95 | 49.2  | 8-29  | 580 | 148 | 350 | 140     |
| 80                          | 390                        | 267 | 203.2 | 136.53 | 55.6  | 8-32  | 640 | 170 | 350 | 180     |
| 100                         | 450                        | 292 | 235   | 149.23 | 52.4  | 8-32  | 670 | 200 | 470 | 230     |
| 150                         | 540                        | 342 | 280   | 181    | 62    | 12-35 | 730 | 283 | 470 | 290     |
|                             | PN25.0MPa                  |     |       |        |       |       |     |     |     |         |
| 50                          | 350                        | 216 | 165.1 | 95.25  | 46    | 8-26  | 550 | 123 | 350 | 110     |
| 65                          | 400                        | 244 | 190.5 | 107.95 | 49.2  | 8-29  | 590 | 148 | 350 | 140     |
| 80                          | 420                        | 267 | 203.2 | 136.53 | 55.60 | 8-32  | 650 | 172 | 350 | 200     |
| 100                         | 470                        | 311 | 241.3 | 161.93 | 61.90 | 8-35  | 680 | 250 | 470 | 240     |
| 150                         | 540                        | 361 | 329   | 208.93 | 62    | 12-35 | 740 | 288 | 470 | 300     |

主要外形尺寸和重量/Main outline dimensions & weight

| 型号 Type                     | Z43Y-320 Z43Y-400 |     |       |        |      |       |     |     |     | WT (kg) |
|-----------------------------|-------------------|-----|-------|--------|------|-------|-----|-----|-----|---------|
| 公称通径 DN<br>Nominal diameter | PN32.0MPa         |     |       |        |      |       |     |     |     |         |
|                             | L                 | D   | D1    | D8     | b    | Z-φd  | H   | H2  | D0  |         |
| 50                          | 360               | 216 | 165.1 | 95.25  | 46   | 8-26  | 570 | 125 | 350 | 120     |
| 65                          | 410               | 244 | 190.1 | 107.95 | 49.2 | 8-29  | 600 | 150 | 350 | 160     |
| 80                          | 445               | 267 | 203.2 | 136.53 | 55.6 | 8-32  | 660 | 174 | 470 | 220     |
| 100                         | 490               | 311 | 241.3 | 161.93 | 61.9 | 8-35  | 700 | 208 | 470 | 250     |
| 150                         | 620               | 361 | 329   | 208.93 | 92.1 | 12-35 | 760 | 300 | 600 | 320     |
|                             | PN40.0MPa         |     |       |        |      |       |     |     |     |         |
| 50                          | 370               | 216 | 165.1 | 95.25  | 48   | 8-26  | 577 | 127 | 350 | 140     |
| 65                          | 420               | 244 | 190.5 | 107.95 | 52.2 | 8-29  | 617 | 152 | 350 | 180     |
| 80                          | 460               | 267 | 203.2 | 136.53 | 59   | 8-35  | 683 | 183 | 470 | 235     |
| 100                         | 510               | 311 | 241.3 | 161.93 | 66   | 8-35  | 725 | 217 | 470 | 270     |



主要外形尺寸和重量/Main outline dimensions & weight

| 型号 Type                     | DS/Z <sup>44</sup> <sub>944</sub> H-16C SZ <sup>40</sup> <sub>940</sub> H-16C |     |     |     |    |       |      |     | WT (kg) | 电动装置<br>Electric driving device |         | WT (kg) |
|-----------------------------|---|-----|-----|-----|----|-------|------|-----|---------|---------------------------------|---------|---------|
| 公称通径 DN<br>Nominal diameter | PN1.6MPa  |     |     |     |    |       |      |     |         | H1                              | 型号 Type |         |
|                             | L   | D   | D1  | D2  | b  | Z-φd  | H    | D0  |         |                                 |         |         |
| 50                          | 250   | 160 | 125 | 100 | 16 | 4-18  | 330  | 300 | 23      | 620                             | DWZ10   | 50      |
| 65                          | 270   | 180 | 145 | 120 | 18 | 4-18  | 435  | 300 | 34      | 714                             | DWZ10   | 63      |
| 80                          | 280   | 195 | 160 | 135 | 20 | 8-18  | 491  | 350 | 38      | 765                             | DWZ10   | 65      |
| 100                         | 300   | 215 | 180 | 155 | 20 | 8-18  | 573  | 350 | 52      | 840                             | DWZ15   | 75      |
| 125                         | 325   | 245 | 210 | 185 | 22 | 8-18  | 582  | 400 | 86      | 852                             | DWZ15   | 106     |
| 150                         | 350   | 280 | 240 | 210 | 24 | 8-23  | 605  | 400 | 104     | 875                             | DWZ20   | 113     |
| 200                         | 400   | 335 | 295 | 265 | 26 | 12-23 | 739  | 450 | 159     | 1015                            | DWZ20   | 189     |
| 250                         | 450   | 405 | 355 | 320 | 30 | 12-25 | 862  | 550 | 200     | 1125                            | DWZ30   | 214     |
| 300                         | 500   | 460 | 410 | 375 | 30 | 12-25 | 990  | 650 | 258     | 1371                            | DWZ45   | 353     |
| 350                         | 550   | 520 | 470 | 435 | 34 | 16-25 | 1139 | 750 | 501     | 1485                            | DWZ60   | 602     |
| 400                         | 600   | 580 | 525 | 485 | 36 | 16-30 | 1523 | 850 | 605     | 1890                            | DWZ60   | 698     |

主要外形尺寸和重量/Main outline dimensions & weight

| 型号 Type                     | DS/Z <sup>44</sup> <sub>944</sub> H-25 SZ <sup>40</sup> <sub>940</sub> H-25 |     |     |     |    |       |      |     | WT (kg) | 电动装置<br>Electric driving device |         | WT (kg) |
|-----------------------------|---|-----|-----|-----|----|-------|------|-----|---------|---------------------------------|---------|---------|
| 公称通径 DN<br>Nominal diameter | PN2.5MPa  |     |     |     |    |       |      |     |         | H1                              | 型号 Type |         |
|                             | L   | D   | D1  | D2  | b  | Z-φd  | H    | D0  |         |                                 |         |         |
| 50                          | 250   | 160 | 125 | 100 | 20 | 4-18  | 330  | 300 | 25      | 620                             | DWZ10   | 54      |
| 65                          | 270   | 180 | 145 | 120 | 22 | 8-18  | 435  | 300 | 36      | 714                             | DWZ10   | 66      |
| 80                          | 280   | 195 | 160 | 135 | 22 | 8-18  | 491  | 350 | 42      | 765                             | DWZ10   | 68      |
| 100                         | 300   | 230 | 190 | 160 | 24 | 8-23  | 573  | 350 | 55      | 840                             | DWZ15   | 80      |
| 125                         | 325   | 270 | 220 | 188 | 28 | 8-25  | 582  | 400 | 89      | 852                             | DWZ20   | 109     |
| 150                         | 350   | 300 | 250 | 218 | 30 | 8-25  | 605  | 400 | 110     | 875                             | DWZ20   | 146     |
| 200                         | 400   | 360 | 310 | 278 | 34 | 12-25 | 739  | 450 | 162     | 1015                            | DWZ30   | 191     |
| 250                         | 450   | 425 | 370 | 332 | 36 | 12-30 | 862  | 550 | 210     | 1125                            | DWZ30   | 219     |
| 300                         | 500   | 485 | 430 | 390 | 40 | 16-30 | 990  | 650 | 266     | 1371                            | DWZ45   | 257     |
| 350                         | 550   | 550 | 480 | 448 | 44 | 16-34 | 1139 | 750 | 515     | 1485                            | DWZ60   | 607     |
| 400                         | 600   | 610 | 550 | 505 | 48 | 16-34 | 1523 | 850 | 620     | 1890                            | DWZ60   | 705     |

**主要采用标准/Main applicable standards**

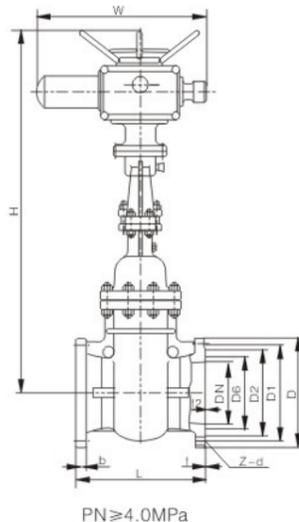
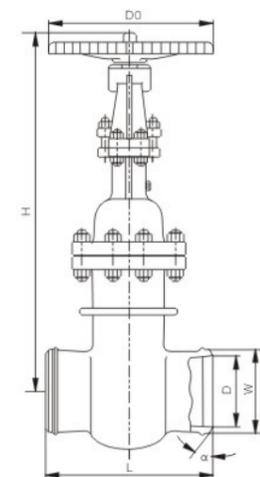
设计制造标准: Q/WNF02-1997  
 法兰尺寸按: JB/T79.1-94  
 焊接尺寸按: GB 12224-89  
 结构长度按: GB12221-89 GB/T15188.1-1994  
 压力试验按: GB/T13927-92  
 Design and manufacture as per Q/WNF02-1997 standard  
 Flange dimension as per JB/T79.1-94 standard  
 Buttwelded and standard GB 12224-89 standard  
 Face to face dimension as per GB12221-89 GB/T 15188.1-1994 standard  
 Pressure test as per GB/T13927-92 standard

**主要性能规范/Main specification**

| 公称压力<br>Nominal<br>pressure (Mpa) | 试验压力(MPa) Test pressure |                                |                             |                     |
|-----------------------------------|-------------------------|--------------------------------|-----------------------------|---------------------|
|                                   | 壳体实验<br>Shell test      | 密封实验(水)<br>Sealing test(Water) | 密封实验(气)<br>Sealing tes(Air) | 上密封<br>Back sealing |
| 1.0                               | 1.5                     | 1.1                            | 0.6                         | 1.1                 |
| 1.6                               | 2.4                     | 1.8                            |                             | 1.8                 |
| 2.5                               | 3.8                     | 2.8                            |                             | 2.8                 |
| 4.0                               | 6.0                     | 4.4                            |                             | 4.4                 |
| 6.4                               | 9.6                     | 7.0                            |                             | 7.0                 |
| 10.0                              | 15.0                    | 11.0                           |                             | 11.0                |

**主要外形尺寸和重量/Main outline dimensions & weight**

| 公称压力<br>Nominal<br>pressure (Mpa) | 公称通径<br>DN<br>Nominal<br>diameter | 主要外形和连接尺寸<br>Main outline and connection dimension |      |      |     |     |    |   |       |     |      | WT<br>(kg) |
|-----------------------------------|-----------------------------------|--|------|------|-----|-----|----|---|-------|-----|------|------------|
|                                   |                                   | L  | H    | D    | D1  | D2  | b  | f | z-d   | D0  |      |            |
| 1.0                               | 50                                | 250  | 345  | 160  | 125 | 100 | 16 | 3 | 4-18  | 250 | 28   |            |
|                                   | 65                                | 265  | 395  | 180  | 145 | 120 | 18 | 3 | 4-18  | 250 | 40   |            |
|                                   | 80                                | 280  | 425  | 195  | 160 | 135 | 20 | 3 | 4-18  | 300 | 55   |            |
|                                   | 100                               | 300  | 510  | 215  | 180 | 155 | 20 | 3 | 8-18  | 300 | 72   |            |
|                                   | 125                               | 325  | 570  | 245  | 210 | 185 | 22 | 3 | 8-18  | 350 | 106  |            |
|                                   | 150                               | 350  | 725  | 280  | 240 | 210 | 24 | 3 | 8-23  | 350 | 146  |            |
|                                   | 200                               | 400  | 820  | 335  | 295 | 265 | 26 | 3 | 8-23  | 400 | 220  |            |
|                                   | 250                               | 450  | 890  | 390  | 350 | 320 | 28 | 3 | 12-23 | 400 | 315  |            |
|                                   | 300                               | 500  | 1070 | 440  | 400 | 368 | 28 | 3 | 12-23 | 450 | 398  |            |
|                                   | 350                               | 550  | 1320 | 500  | 460 | 428 | 30 | 4 | 16-23 | 550 | 530  |            |
|                                   | 400                               | 406  | 1450 | 565  | 515 | 482 | 32 | 4 | 16-25 | 550 | 690  |            |
|                                   | 450                               | 432  | 1560 | 615  | 565 | 532 | 32 | 4 | 20-25 | 600 | 870  |            |
|                                   | 500                               | 457  | 1720 | 670  | 620 | 585 | 34 | 4 | 20-25 | 650 | 1080 |            |
|                                   | 600                               | 508  | 1880 | 780  | 725 | 685 | 36 | 5 | 20-30 | 700 | 1350 |            |
|                                   | 700                               | 750  | 2085 | 895  | 840 | 800 | 40 | 5 | 24-30 | 750 | 1950 |            |
|                                   | 800                               | 800  | 2590 | 1010 | 950 | 905 | 44 | 5 | 24-34 | 800 | 2500 |            |

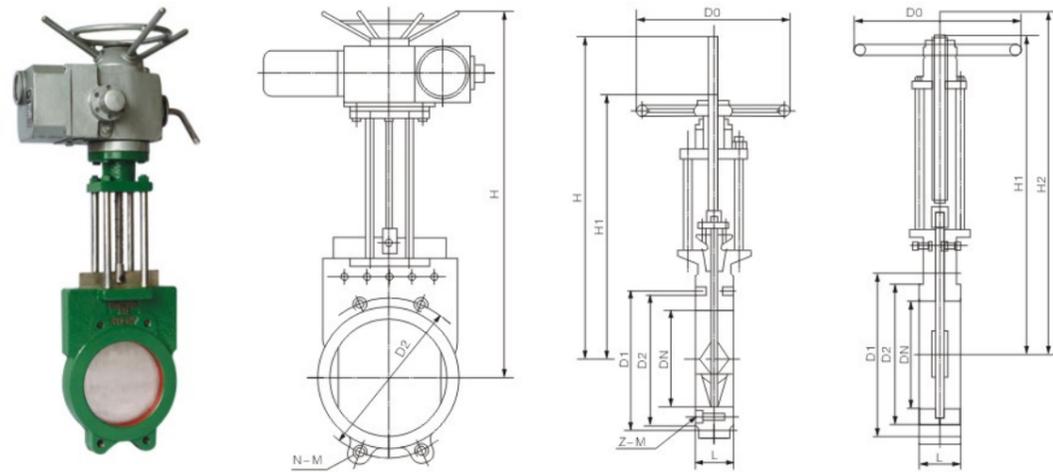


PN≥4.0MPa

**主要外形尺寸和重量/Main outline dimensions & weight**

| 公称压力<br>Nominal<br>pressure (Mpa) | 公称通径<br>DN<br>Nominal<br>diameter | 主要外形和连接尺寸 Main outline and connection dimension |      |      |     |     |    |   |       |      |       | WT<br>(kg) |     |
|-----------------------------------|-----------------------------------|---|------|------|-----|-----|----|---|-------|------|-------|------------|-----|
|                                   |                                   | L   | H    | D    | D1  | D2  | b  | f | z-d   | D0   |       |            |     |
| 1.6                               | 50                                | 250   | 345  | 160  | 125 | 100 | 16 | 3 | 4-18  | 250  | 28    |            |     |
|                                   | 65                                | 270   | 395  | 180  | 145 | 120 | 18 | 3 | 4-18  | 250  | 40    |            |     |
|                                   | 80                                | 280   | 425  | 195  | 160 | 135 | 20 | 3 | 8-18  | 300  | 58    |            |     |
|                                   | 100                               | 300   | 510  | 215  | 180 | 155 | 20 | 3 | 8-18  | 300  | 75    |            |     |
|                                   | 125                               | 325   | 570  | 245  | 210 | 185 | 22 | 3 | 8-18  | 350  | 110   |            |     |
|                                   | 150                               | 350   | 725  | 280  | 240 | 210 | 24 | 3 | 8-23  | 350  | 150   |            |     |
|                                   | 200                               | 400   | 820  | 335  | 295 | 265 | 26 | 3 | 12-23 | 400  | 223   |            |     |
|                                   | 250                               | 450   | 890  | 405  | 355 | 320 | 30 | 3 | 12-25 | 450  | 326   |            |     |
|                                   | 300                               | 500   | 1070 | 460  | 410 | 375 | 30 | 3 | 12-25 | 550  | 432   |            |     |
|                                   | 350                               | 550   | 1320 | 520  | 470 | 435 | 34 | 4 | 16-25 | 600  | 572   |            |     |
|                                   | 400                               | 406   | 1450 | 580  | 525 | 485 | 36 | 4 | 16-30 | 650  | 740   |            |     |
|                                   | 450                               | 432   | 1560 | 640  | 585 | 545 | 40 | 4 | 20-30 | 700  | 955   |            |     |
|                                   | 500                               | 457   | 1720 | 705  | 650 | 608 | 44 | 4 | 20-34 | 750  | 1195  |            |     |
|                                   | 600                               | 508   | 1880 | 840  | 770 | 718 | 48 | 5 | 20-41 | 800  | 1455  |            |     |
|                                   | 700                               | 750   | 2085 | 910  | 840 | 788 | 50 | 5 | 24-41 | 850  | 2110  |            |     |
|                                   | 800                               | 800   | 2590 | 1020 | 950 | 898 | 52 | 5 | 24-41 | 950  | 2630  |            |     |
| 公称压力<br>Nominal<br>pressure (Mpa) | 公称通径<br>DN<br>Nominal<br>diameter | 主要外形和连接尺寸 Main outline and connection dimension |      |      |     |     |    |   |       |      |       | WT<br>(kg) |     |
|                                   |                                   | L   | H    | D    | D1  | D2  | b  | f | z-d   | D0   |       |            |     |
| 2.5                               | 50                                | 250   | 345  | 160  | 125 | 100 | 20 | 3 | 4-18  | 250  | 30    |            |     |
|                                   | 65                                | 270   | 395  | 180  | 145 | 120 | 22 | 3 | 8-18  | 250  | 43    |            |     |
|                                   | 80                                | 280   | 425  | 195  | 160 | 135 | 22 | 3 | 8-18  | 300  | 60    |            |     |
|                                   | 100                               | 300   | 510  | 230  | 190 | 160 | 24 | 3 | 8-23  | 300  | 79    |            |     |
|                                   | 125                               | 325   | 570  | 270  | 220 | 188 | 28 | 3 | 8-25  | 350  | 114   |            |     |
|                                   | 150                               | 350   | 725  | 300  | 250 | 218 | 30 | 3 | 8-23  | 350  | 157   |            |     |
|                                   | 200                               | 400   | 820  | 360  | 310 | 278 | 34 | 3 | 12-23 | 400  | 243   |            |     |
|                                   | 250                               | 450   | 890  | 425  | 270 | 332 | 36 | 3 | 12-25 | 450  | 345   |            |     |
|                                   | 300                               | 500   | 1070 | 485  | 430 | 390 | 40 | 4 | 12-30 | 550  | 455   |            |     |
|                                   | 350                               | 550   | 1320 | 550  | 480 | 448 | 44 | 4 | 16-30 | 650  | 615   |            |     |
|                                   | 400                               | 406   | 1450 | 610  | 550 | 505 | 48 | 4 | 16-34 | 700  | 794   |            |     |
|                                   | 450                               | 432   | 1560 | 660  | 600 | 555 | 50 | 4 | 20-34 | 750  | 1018  |            |     |
|                                   | 500                               | 457   | 1720 | 730  | 660 | 610 | 52 | 4 | 20-41 | 800  | 1250  |            |     |
|                                   | 600                               | 508   | 1880 | 840  | 770 | 718 | 56 | 5 | 20-41 | 850  | 1528  |            |     |
|                                   | 700                               | 750   | 2085 | 955  | 875 | 815 | 64 | 5 | 20-48 | 900  | 2265  |            |     |
|                                   | 800                               | 800   | 2590 | 1070 | 990 | 930 | 66 | 5 | 24-48 | 1000 | 2847  |            |     |
| 公称压力<br>Nominal<br>pressure (Mpa) | 公称通径<br>DN<br>Nominal<br>diameter | 主要外形和连接尺寸 Main outline and connection dimension |      |      |     |     |    |   |       |      |       | WT<br>(kg) |     |
|                                   |                                   | L   | H    | D    | D1  | D2  | b  | f | D6    | f2   | z-d   |            | D0  |
| 4.0                               | 50                                | 250   | 345  | 160  | 125 | 100 | 20 | 3 | 88    | 4    | 4-18  | 300        | 35  |
|                                   | 65                                | 270   | 395  | 180  | 145 | 120 | 22 | 3 | 110   | 4    | 8-18  | 300        | 49  |
|                                   | 80                                | 280   | 425  | 195  | 160 | 135 | 22 | 3 | 121   | 4    | 8-18  | 350        | 65  |
|                                   | 100                               | 300   | 510  | 230  | 190 | 160 | 24 | 3 | 150   | 4.5  | 8-23  | 350        | 87  |
|                                   | 125                               | 325   | 570  | 270  | 220 | 188 | 28 | 3 | 176   | 4.5  | 8-25  | 400        | 124 |
|                                   | 150                               | 350   | 725  | 300  | 250 | 218 | 30 | 3 | 204   | 4.5  | 8-25  | 400        | 172 |
|                                   | 200                               | 400   | 820  | 375  | 320 | 282 | 38 | 3 | 260   | 4.5  | 12-30 | 450        | 275 |
|                                   | 250                               | 450   | 890  | 445  | 385 | 345 | 42 | 3 | 313   | 4.5  | 12-34 | 550        | 392 |
|                                   | 300                               | 500   | 1070 | 510  | 450 | 408 | 46 | 4 | 364   | 4.5  | 16-34 | 650        | 515 |
|                                   | 350                               | 550   | 1320 | 570  | 510 | 465 | 52 | 4 | 422   | 5    | 16-34 | 750        | 684 |
|                                   | 400                               | 600   | 1450 | 655  | 585 | 535 | 58 | 4 | 474   | 5    | 16-41 | 850        | 902 |

注: 凡按用户要求的须在合同中注明。Note: Where in accordance with user requirements to be specified in the contract.



主要性能规范/Main specification

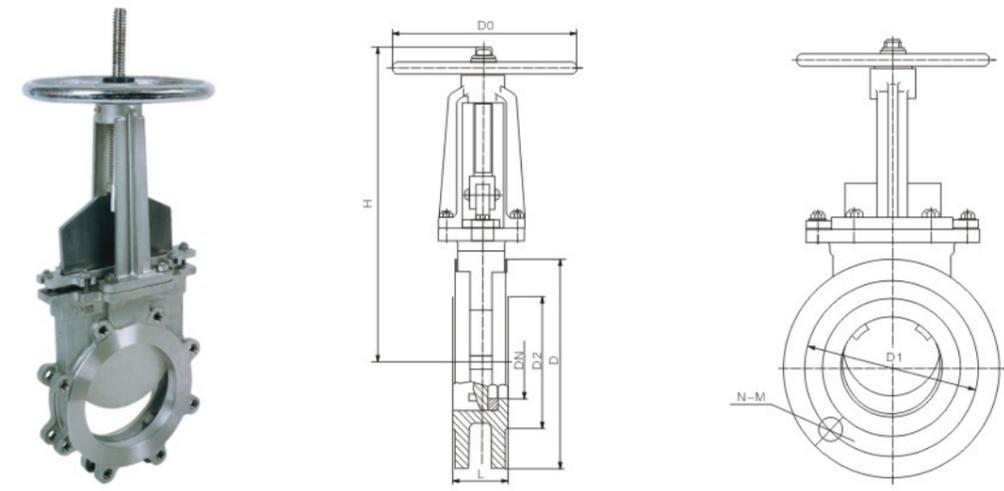
| 公称压力(Mpa)<br>Nominal pressure | 壳体试验(Mpa)<br>Shell test | 密封试验(Mpa)<br>Seal test | 工作温度(°C)<br>Working temperature | 适用介质<br>Applicable medium   |
|-------------------------------|-------------------------|------------------------|---------------------------------|---|
| 1.0                           | 1.5                     | 1.1                    | ≤100°C                          | 纸浆、污水、煤浆、灰、渣水混和物<br>Pulp, sewage, coal slurry, ash, slag mixture of water |
| 1.6                           | 2.4                     | 1.8                    | ≤100°C                          |   |

主要零部件材质/Main parts Material

| 阀体、阀盖<br>Body, Bonnet                                  | 闸板<br>Disc                              | 阀杆<br>Stem             | 密封面<br>Seal surface   |
|--|---|------------------------|---|
| 不锈钢、碳钢、灰铸铁<br>Stainless steel, carbon steel, gray iron | 碳钢、不锈钢<br>Carbon steel, stainless steel | 不锈钢<br>Stainless steel | 橡胶、四氟、不锈钢、硬质合金<br>Rubber, tetrafluoroethane, stainless steel, carbide |

主要外形和连接尺寸/Main outline and connection dimension

| 公称通径DN<br>Nominal diameter | L   |      | D    | D1   | D0  | H    | N-M    |
|----------------------------|-----|------|------|------|-----|------|--------|
|                            | PN6 | PN10 |      |      |     |      |        |
| 50                         | 48  | 48   | 125  | 100  | 180 | 295  | 4-M16  |
| 65                         | 48  | 48   | 145  | 120  | 180 | 305  | 4-M16  |
| 80                         | 50  | 50   | 160  | 135  | 220 | 330  | 8-M16  |
| 100                        | 50  | 50   | 180  | 155  | 220 | 380  | 8-M16  |
| 125                        | 50  | 50   | 210  | 185  | 240 | 415  | 8-M16  |
| 150                        | 60  | 60   | 240  | 210  | 280 | 490  | 8-M20  |
| 200                        | 60  | 60   | 295  | 265  | 280 | 550  | 8-M20  |
| 250                        | 70  | 70   | 350  | 320  | 360 | 693  | 12-M20 |
| 300                        | 70  | 80   | 400  | 368  | 400 | 796  | 12-M20 |
| 350                        | 80  | 90   | 460  | 428  | 400 | 895  | 16-M20 |
| 400                        | 80  | 120  | 515  | 482  | 500 | 1004 | 16-M22 |
| 450                        | 90  | 120  | 565  | 532  | 500 | 1110 | 20-M22 |
| 500                        | 90  | 130  | 620  | 585  | 600 | 1210 | 20-M22 |
| 600                        | 140 | 140  | 725  | 685  | 700 | 1460 | 20-M27 |
| 700                        | 140 | 140  | 840  | 800  | 800 | 1680 | 24-M27 |
| 800                        | 190 | 190  | 950  | 905  | 800 | 1910 | 24-M30 |
| 900                        | 203 | 203  | 1050 | 1005 | 800 | 2130 | 28-M30 |
| 1000                       | 216 | 216  | 1160 | 1115 | 800 | 2350 | 28-M30 |
| 1200                       | 254 | 254  | 1380 | 1325 | 800 | 2650 | 32-M30 |



主要性能规范/Performance specification

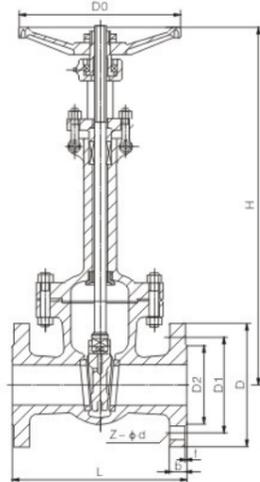
| 公称压力PN<br>Normal pressure | 壳体试验(MPa)<br>Shell test | 密封试验(MPa)<br>Seal test | 工作温度<br>Working temperature | 适用介质<br>Suitable medium  |
|---------------------------|-------------------------|------------------------|-----------------------------|--|
| 1.0                       | 1.5                     | 1.1                    | ≤100°C                      | 纸浆、污水、煤浆、灰、渣水混和物<br>Pulp, sewage, slurry of coal ash, slag water mixture |
| 1.6                       | 2.4                     | 1.8                    | ≤100°C                      |  |

主要零部件材质/Main parts material

| 阀体、阀盖<br>Body, Bonnet                                  | 闸板<br>Damper                            | 阀杆<br>Stem             | 密封圈<br>Ring  |
|--|---|------------------------|--|
| 不锈钢、碳钢、灰铸铁<br>Stainless steel, carbon steel, gray iron | 碳钢、不锈钢<br>Carbon steel, stainless steel | 不锈钢<br>Stainless steel | 橡胶、四氟、不锈钢、硬质合金<br>Rubber, tetrafluoroethane, stainless steel, hard alloy |

主要外形尺寸和重量/Main outline dimensions & weight

| MPa  | DN  | L    | D    | D1   | D2   | H      | N-M | D0   | WT(kg) | MPa | DN   | L    | D    | D1   | D2     | H   | N-M  | D0 | WT(kg) |
|------|-----|------|------|------|------|--------|-----|------|--------|-----|------|------|------|------|--------|-----|------|----|--------|
|      |     |      |      |      |      |        |     |      |        |     |      |      |      |      |        |     |      |    |        |
| 65   | 46  | 180  | 145  | 120  | 298  | 4-M16  | 180 | 10   | 65     | 46  | 185  | 145  | 120  | 295  | 4-M16  | 180 | 10.7 |    |        |
| 80   | 46  | 195  | 160  | 135  | 315  | 4-M16  | 220 | 12   | 80     | 46  | 200  | 160  | 135  | 315  | 8-M16  | 220 | 13   |    |        |
| 100  | 52  | 215  | 180  | 155  | 365  | 8-M16  | 220 | 14   | 100    | 52  | 220  | 180  | 155  | 365  | 8-M16  | 220 | 15   |    |        |
| 125  | 56  | 245  | 210  | 185  | 400  | 8-M16  | 230 | 22   | 125    | 56  | 250  | 210  | 185  | 400  | 8-M16  | 230 | 23.5 |    |        |
| 150  | 56  | 280  | 240  | 210  | 475  | 8-M20  | 280 | 29   | 150    | 56  | 285  | 240  | 210  | 475  | 8-M20  | 280 | 31   |    |        |
| 200  | 60  | 335  | 295  | 265  | 540  | 8-M20  | 360 | 38   | 200    | 60  | 340  | 295  | 265  | 540  | 12-M20 | 360 | 40.7 |    |        |
| 250  | 68  | 390  | 350  | 320  | 630  | 12-M20 | 360 | 66   | 250    | 68  | 405  | 355  | 310  | 630  | 12-M22 | 360 | 70   |    |        |
| 300  | 78  | 440  | 400  | 368  | 780  | 12-M20 | 400 | 100  | 300    | 78  | 460  | 410  | 375  | 780  | 12-M22 | 400 | 107  |    |        |
| 350  | 78  | 500  | 460  | 428  | 885  | 16-M20 | 400 | 119  | 350    | 78  | 520  | 470  | 435  | 885  | 16-M22 | 400 | 129  |    |        |
| 400  | 102 | 565  | 515  | 482  | 990  | 16-M22 | 400 | 195  | 400    | 102 | 580  | 525  | 485  | 990  | 16-M27 | 400 | 215  |    |        |
| 450  | 114 | 615  | 565  | 532  | 1100 | 20-M22 | 530 | 285  | 450    | 114 | 640  | 585  | 545  | 1100 | 20-M27 | 530 | 305  |    |        |
| 500  | 127 | 670  | 620  | 585  | 1200 | 20-M22 | 530 | 389  | 500    | 127 | 715  | 650  | 609  | 1200 | 20-M30 | 530 | 410  |    |        |
| 600  | 154 | 780  | 725  | 685  | 1450 | 20-M27 | 600 | 529  | 600    | 154 | 840  | 770  | 720  | 1450 | 20-M36 | 600 | 550  |    |        |
| 700  | 165 | 895  | 840  | 800  | 1700 | 24-M27 | 600 | 790  | 700    | 165 | 910  | 840  | 788  | 1700 | 24-M36 | 600 | 820  |    |        |
| 800  | 190 | 1010 | 950  | 898  | 2000 | 24-M30 | 680 | 850  | 800    | 190 | 1025 | 950  | 898  | 2000 | 24-M36 | 680 | 950  |    |        |
| 900  | 203 | 1110 | 1050 | 1005 | 2300 | 28-M30 | 680 | 900  | 900    | 203 | 1125 | 1050 | 998  | 2300 | 28-M36 | 680 | 1020 |    |        |
| 1000 | 216 | 1220 | 1160 | 1115 | 2500 | 28-M30 | 700 | 1050 | 1000   | 216 | 1255 | 1170 | 1110 | 2500 | 28-M42 | 700 | 1120 |    |        |
| 1200 | 254 | 1450 | 1380 | 1325 | 2800 | 32-M36 | 800 | 1300 | 1200   | 254 | 1485 | 1390 | 1325 | 2800 | 32-M48 | 800 | 1480 |    |        |



## † 主要外形尺寸和重量/Main outline dimensions &amp; weight

| 公称直径 DN<br>Nominal diameter | L   | D   | D1  | D2  | b  | Z-φd  | H    | D0  | WT(kg) |
|-----------------------------|-----|-----|-----|-----|----|-------|------|-----|--------|
| DZ40Y-16C      DZ40Y-16P    |     |     |     |     |    |       |      |     |        |
| 20                          | 150 | 105 | 75  | 55  | 14 | 4-14  | 320  | 140 | 6      |
| 25                          | 160 | 115 | 85  | 65  | 14 | 4-14  | 350  | 160 | 7      |
| 32                          | 180 | 135 | 100 | 78  | 16 | 4-18  | 385  | 180 | 9      |
| 40                          | 200 | 145 | 110 | 85  | 16 | 4-18  | 420  | 200 | 15     |
| 50                          | 250 | 160 | 125 | 100 | 16 | 4-18  | 540  | 240 | 30     |
| 65                          | 265 | 180 | 145 | 120 | 18 | 4-18  | 610  | 240 | 34     |
| 80                          | 280 | 195 | 160 | 135 | 20 | 8-18  | 690  | 280 | 45     |
| 100                         | 300 | 215 | 180 | 155 | 20 | 8-18  | 780  | 300 | 64     |
| 125                         | 325 | 245 | 210 | 185 | 22 | 8-18  | 930  | 320 | 110    |
| 150                         | 350 | 280 | 240 | 210 | 24 | 8-23  | 980  | 360 | 135    |
| 200                         | 400 | 335 | 295 | 265 | 26 | 12-23 | 1180 | 400 | 195    |
| 250                         | 450 | 405 | 355 | 320 | 30 | 12-25 | 1390 | 450 | 275    |
| 300                         | 500 | 460 | 410 | 375 | 30 | 12-25 | 1620 | 560 | 380    |
| 350                         | 550 | 520 | 470 | 435 | 34 | 16-25 | 1810 | 640 | 594    |
| 400                         | 600 | 580 | 525 | 485 | 36 | 16-30 | 1970 | 640 | 725    |
| DZ40Y-25C      DZ40Y-25P    |     |     |     |     |    |       |      |     |        |
| 20                          | 150 | 105 | 75  | 55  | 16 | 4-14  | 320  | 140 | 6      |
| 25                          | 160 | 115 | 85  | 65  | 16 | 4-14  | 350  | 160 | 8      |
| 32                          | 180 | 135 | 100 | 78  | 18 | 4-18  | 385  | 180 | 10     |
| 40                          | 200 | 145 | 110 | 85  | 18 | 4-18  | 420  | 200 | 16     |
| 50                          | 250 | 160 | 125 | 100 | 20 | 4-18  | 540  | 240 | 30     |
| 65                          | 265 | 180 | 145 | 120 | 22 | 8-18  | 610  | 240 | 35     |
| 80                          | 280 | 195 | 160 | 135 | 22 | 8-18  | 690  | 280 | 47     |
| 100                         | 300 | 230 | 190 | 160 | 24 | 8-23  | 780  | 300 | 65     |
| 125                         | 325 | 270 | 220 | 188 | 28 | 8-25  | 930  | 320 | 110    |
| 150                         | 350 | 300 | 250 | 218 | 30 | 8-25  | 980  | 360 | 135    |
| 200                         | 400 | 360 | 310 | 278 | 34 | 12-25 | 1180 | 400 | 215    |
| 250                         | 450 | 425 | 370 | 332 | 36 | 12-30 | 1390 | 450 | 295    |
| 300                         | 500 | 485 | 430 | 390 | 40 | 16-30 | 1620 | 560 | 400    |
| 350                         | 550 | 550 | 490 | 448 | 44 | 16-34 | 1810 | 640 | 630    |
| 400                         | 600 | 610 | 550 | 505 | 48 | 16-34 | 1990 | 640 | 910    |

## † 主要外形尺寸和重量/Main outline dimensions &amp; weight

| 公称直径 DN<br>Nominal diameter | L   | D   | D1  | D2  | D6  | b  | Z-φd  | H    | D0  | WT(kg) |
|-----------------------------|-----|-----|-----|-----|-----|----|-------|------|-----|--------|
| DZ40Y-40C      DZ40Y-40P    |     |     |     |     |     |    |       |      |     |        |
| 20                          | 150 | 105 | 75  | 55  | 51  | 16 | 4-14  | 330  | 140 | 7      |
| 25                          | 160 | 115 | 85  | 65  | 58  | 16 | 4-14  | 360  | 160 | 9      |
| 32                          | 180 | 135 | 100 | 78  | 66  | 18 | 4-18  | 440  | 180 | 11     |
| 40                          | 200 | 145 | 110 | 85  | 76  | 18 | 4-18  | 455  | 200 | 19     |
| 50                          | 250 | 160 | 125 | 100 | 88  | 20 | 4-18  | 575  | 280 | 28     |
| 65                          | 280 | 180 | 145 | 120 | 110 | 22 | 8-18  | 635  | 280 | 35     |
| 80                          | 310 | 195 | 160 | 135 | 121 | 22 | 8-18  | 715  | 320 | 50     |
| 100                         | 350 | 230 | 190 | 160 | 150 | 24 | 8-23  | 815  | 360 | 74     |
| 125                         | 400 | 270 | 220 | 188 | 176 | 28 | 8-25  | 965  | 400 | 115    |
| 150                         | 450 | 300 | 250 | 218 | 204 | 30 | 8-25  | 1025 | 400 | 135    |
| 200                         | 550 | 375 | 320 | 282 | 260 | 38 | 12-30 | 1225 | 450 | 215    |
| 250                         | 650 | 445 | 385 | 345 | 313 | 42 | 12-34 | 1440 | 560 | 184    |
| 300                         | 750 | 510 | 450 | 408 | 346 | 46 | 16-34 | 1665 | 640 | 405    |
| 350                         | 850 | 570 | 510 | 465 | 422 | 52 | 16-34 | 1880 | 640 | 600    |
| 400                         | 950 | 655 | 585 | 535 | 474 | 58 | 16-41 | 2050 | 720 | 750    |

## † 主要外形尺寸和重量/Main outline dimensions &amp; weight

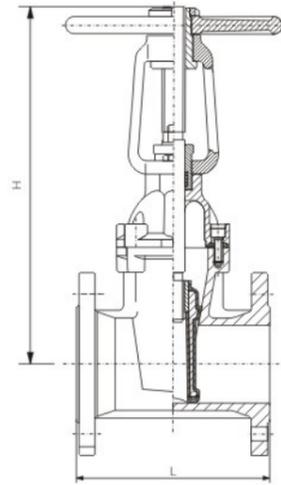
| 公称直径 DN<br>Nominal diameter | L   | D   | D1  | D2  | D6  | b  | Z-φd  | H    | D0  | WT(kg) |
|-----------------------------|-----|-----|-----|-----|-----|----|-------|------|-----|--------|
| DZ40Y-64C      DZ40Y-64P    |     |     |     |     |     |    |       |      |     |        |
| 20                          | 190 | 125 | 90  | 68  | 51  | 20 | 4-18  | 330  | 100 | 8      |
| 25                          | 210 | 135 | 100 | 78  | 58  | 22 | 4-18  | 360  | 180 | 13     |
| 32                          | 230 | 150 | 110 | 82  | 66  | 24 | 4-23  | 410  | 180 | 24     |
| 40                          | 240 | 165 | 125 | 95  | 76  | 24 | 4-23  | 480  | 200 | 32     |
| 50                          | 250 | 175 | 135 | 105 | 88  | 26 | 4-23  | 585  | 200 | 39     |
| 65                          | 280 | 200 | 160 | 160 | 110 | 28 | 8-23  | 690  | 250 | 45     |
| 80                          | 310 | 210 | 170 | 140 | 121 | 30 | 8-23  | 745  | 300 | 60     |
| 100                         | 350 | 250 | 200 | 168 | 150 | 32 | 8-25  | 885  | 300 | 90     |
| 125                         | 400 | 295 | 240 | 202 | 176 | 36 | 8-30  | 985  | 350 | 140    |
| 150                         | 450 | 340 | 280 | 240 | 204 | 38 | 8-34  | 1050 | 350 | 205    |
| 200                         | 550 | 405 | 345 | 300 | 260 | 44 | 12-34 | 1240 | 400 | 330    |
| 250                         | 650 | 470 | 400 | 352 | 313 | 48 | 12-41 | 1460 | 560 | 468    |
| 300                         | 750 | 530 | 460 | 412 | 364 | 54 | 16-41 | 1690 | 640 | 600    |

## † 主要外形尺寸和重量/Main outline dimensions &amp; weight

| 公称直径 DN<br>Nominal diameter | L   | D   | D1  | D2  | D6  | b  | Z-φd | H   | D0  | WT(kg) |
|-----------------------------|-----|-----|-----|-----|-----|----|------|-----|-----|--------|
| DZ40Y-100C      DZ40Y-100P  |     |     |     |     |     |    |      |     |     |        |
| 25                          | 210 | 135 | 100 | 78  | 58  | 24 | 4-18 | 365 | 200 | 18     |
| 32                          | 230 | 150 | 110 | 82  | 66  | 24 | 4-23 | 420 | 240 | 27     |
| 50                          | 250 | 195 | 145 | 112 | 88  | 28 | 4-25 | 630 | 360 | 45     |
| 65                          | 280 | 220 | 170 | 138 | 110 | 32 | 8-25 | 700 | 400 | 60     |
| 80                          | 310 | 230 | 180 | 148 | 121 | 34 | 8-25 | 760 | 400 | 76     |
| 100                         | 350 | 265 | 210 | 172 | 150 | 38 | 8-30 | 900 | 400 | 128    |

注：低温闸阀订货时注明工作温度，根据温度选用不同的材料。

Remark: Please indicate the operating temperature, as place an order to cryogenic valve. According to temperature, choose different material.



#### 产品特性/Products Characteristics

明杆弹性座封闸阀除具有弹性座封闸阀的优点外，并可以较直观显示阀门开度，启闭迅速可靠，故常应用于消防及工业系统。一般安装于距地面较高位置。

In addition to valve closure flexible rod out block block closed valve with the advantages of flexibility, and can be a visual display of valve opening, Hoist fast and reliable and delayed nature of the fire and applied to industrial systems. Generally installed at higher positions above the ground.

#### 主要技术参数/Main technical parameters

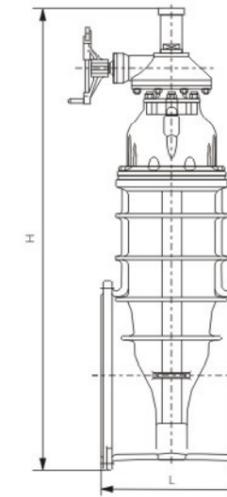
| 公称压力 (Mpa)<br>Nominal pressure | 公称通径 DN<br>Nominal diameter | 适用温度<br>Applicable temperature | 适用介质<br>Applicable pressure   | 法兰标准 Flange standard  | 试验标准 Test standard |
|--------------------------------|-----------------------------|--------------------------------|-------------------------------|-----------------------|--------------------|
| 1.0~2.5MPa                     | 50~600mm                    | 0~120℃                         | 水、油、气等<br>Water, oil, air etc | GB/T17241.6、JB/T 79.1 | GB/T 13927         |

#### 主要零件材料/Main parts and materials

| 零件名称 Name                        | 材料 Material  | 零件名称 Name               | 材料 Material  |
|----------------------------------|--|-------------------------|--|
| 阀体 Valve body                    | 灰铸铁、球墨铸铁、铸钢<br>Cast iron, suctile iron, carbon steel | 密封圈 Seal packing collar | 丁腈橡胶、三元乙丙 NBR Ruber, EPDM                            |
| 闸板 Disc                          | 球墨铸铁+三元乙丙或丁腈橡胶<br>Suctile iron+EPDM, or NBR Ruber    | 闸杆螺母 Stem nut           | 铜合金 Copper alloy                                     |
| 中口垫<br>Chinese export restraints | 丁腈橡胶、三元乙丙 NBR Ruber, EPDM                            | 压盖 Gland                | 球墨铸铁、铸钢<br>Suctile iron, carbon steel                |
| 阀盖 Valve bonnet                  | 灰铸铁、球墨铸铁、铸钢<br>Cast iron, suctile iron, carbon steel | 支架 Stent                | 灰铸铁、球墨铸铁、铸钢<br>Cast iron, suctile iron, carbon steel |
| 闸杆 Valve stem                    | 不锈钢 Stainless steel                                  | 手轮 Hand wheel           | 可锻铸铁 Malleable iron                                  |

#### 主要外形尺寸/Main outline dimension

| DN | 50  | 65  | 80  | 100 | 125 | 150 | 200 | 250 | 300 | 350  | 400  | 450  | 500  | 600  |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| L  | 178 | 190 | 203 | 229 | 254 | 267 | 292 | 330 | 356 | 381  | 406  | 432  | 457  | 508  |
| H  | 313 | 332 | 372 | 424 | 497 | 562 | 680 | 837 | 948 | 1010 | 1220 | 1280 | 1480 | 1665 |



#### 产品特性/Products characteristic

大口径闸阀采用最优质的球墨铸铁或碳钢铸造而成，具有强度高、重量轻，几何尺寸精确的特点，闸板具有互换的功能，加装螺旋伞齿轮省力机构，一人可非常轻松自如地开关，也可根据用户要求加装开闭指示柱，或电动、气动执行机构。密封、防锈功能极佳，安全可靠，使用寿命长。可立式或卧式安装，广泛应用于给排水系统、污水处理系统、市政建设及矿山、冶金、电厂等行业。

Large-diameter valve using the best quality cast ductile iron or carbon steel, high strength and light weight. The precise geometry features lock function is fungible, easy to install spiral bevel gear, may very ease of a switch, users can install opening and closing in structions column, or electric, pneumatic enforcement agency. Seal, rustproof excellent functional, safe and reliable, long service life. Can be vertical or horizontal installation, applied to a wide range of drainage systems, sewage systems, municipal construction, and mining, metallurgy, power plants and other industries.

#### 主要技术参数/Main technical parameters

| 公称压力 (Mpa)<br>Nominal pressure | 公称通径 DN<br>Nominal diameter | 适用温度<br>Suitable temperature | 适用介质<br>Applicable pressure   | 法兰标准 Flange standard  | 试验标准 Test standard |
|--------------------------------|-----------------------------|------------------------------|-------------------------------|-----------------------|--------------------|
| 1.0~2.5MPa                     | 500~1200mm                  | 0~120℃                       | 水、油、气等<br>Water, oil, air etc | GB/T17241.6、JB/T 79.1 | GB/T13927          |

#### 主要零件材料/Main parts and materials

| 零件名称 Name                 | 材料 Material   | 零件名称 Name              | 材料 Material                           |
|---------------------------|---|------------------------|---------------------------------------|
| 阀体 Valve body             | 灰铸铁、球墨铸铁、铸钢<br>Cast iron, suctile iron, carbon steel                | “O”形密封圈<br>“O” Seal    | 丁腈橡胶 NBR Ruber                        |
| 闸板 Valve board            | 球墨铸铁外覆三元乙丙或丁腈橡胶<br>EPDM or nitrile rubber covered with ductile iron | 止推轴承<br>Thrust bearing | 铜合金 Copper alloy                      |
| 内六角螺栓<br>Bolt within 2.60 | 碳化处理 Carbonized   | 螺栓 Bolt                | 碳钢、合金钢 Carbon steel, Steell           |
| 密封圈 Seal packing collar   | 丁腈橡胶、三元乙丙 NBR Ruber, EPDM   | 压盖 Gland               | 球墨铸铁、铸钢<br>Suctile iron, carbon steel |
| 阀盖 Valve bonnet           | 灰铸铁、球墨铸铁、铸钢<br>Cast iron, suctile iron, carbon steel                | 防尘罩 Coverer            | 丁腈橡胶 NBR Ruber                        |
| 闸杆 Valve stem             | 不锈钢 Stainless steel   | 手轮 Hand wheel          | 可锻铸铁 Malleable iron                   |

#### 主要外形尺寸/Main outline dimension

| DN | 500  | 600  | 700  | 800  | 900  | 1000 | 1200 |
|----|------|------|------|------|------|------|------|
| L  | 457  | 508  | 660  | 720  | 780  | 840  | 960  |
| H  | 1480 | 1665 | 2200 | 2800 | 2800 | 3000 | 3000 |