

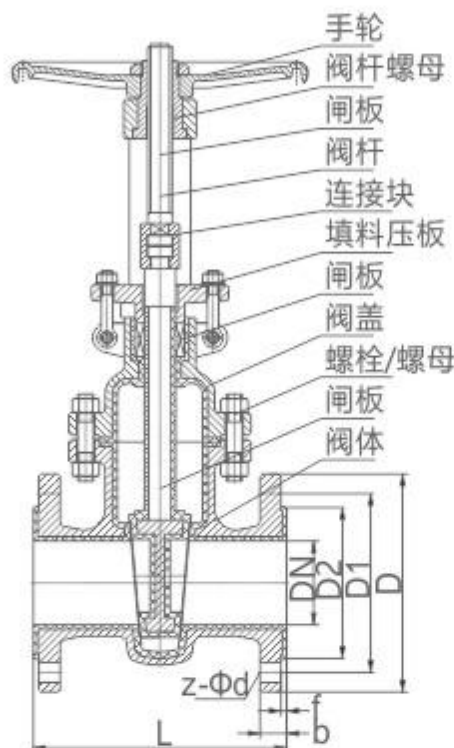
# FLUORINE LINED VALVE SERIES

06

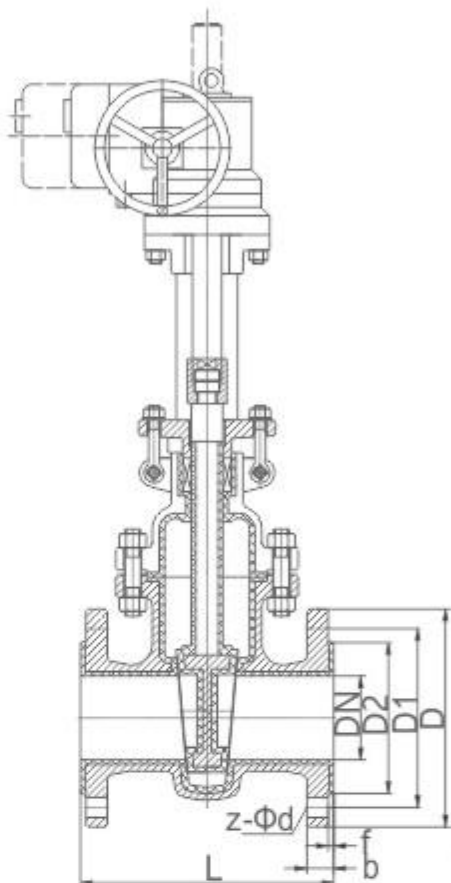
衬氟  
阀门  
系列



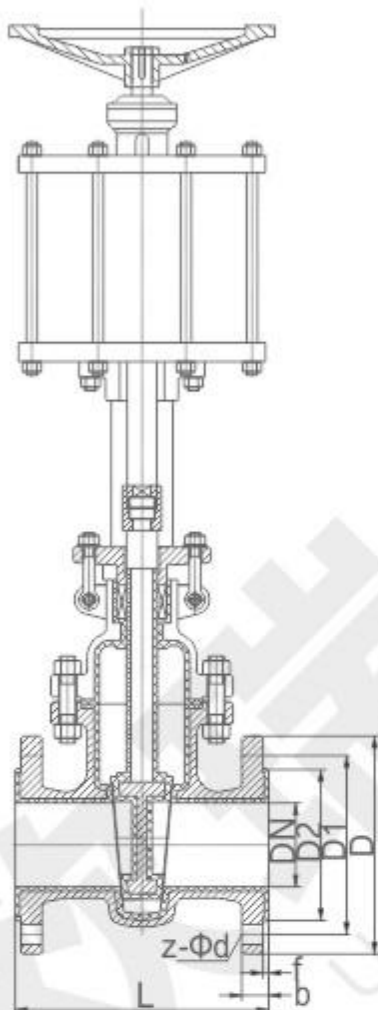
衬氟闸阀  
Fluorine lined gate valve



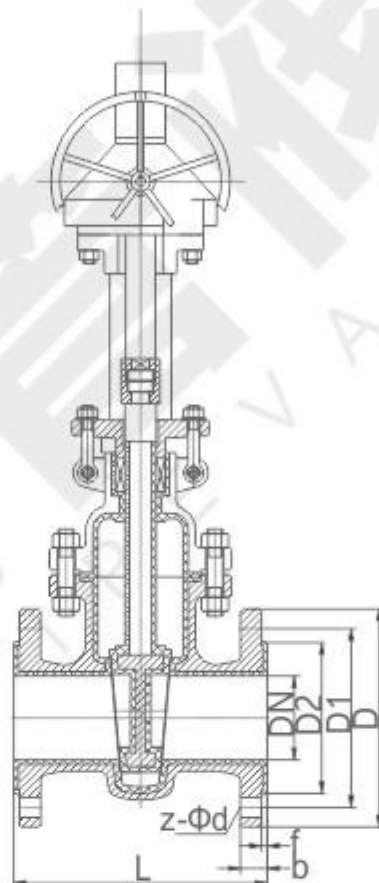
PFA  
Z41F46 F4-16 手动衬氟闸阀



PFA  
Z941F46 F4-16 电动衬氟闸阀



PFA  
Z641F46 F4-16 气动衬氟闸阀



PFA  
Z541F46 F4-16 齿轮衬氟闸阀

结构特点：

衬氟闸阀是阀门的一种。衬氟闸阀的启闭件是闸板，闸板的运动方向与流体方向相垂直，闸阀只能作全开和全关，不能作调节和节流。

闸板有两个密封面，最常用的模式闸板阀的两个密封面形成楔形，楔形角随阀门参数而异，通常为5°，介质温度不高时为2°52'。

楔式闸阀的闸板可以做成一个整体，叫做刚性闸板；也可以做成能产生微量变形的闸板，以改善其工艺性，弥补密封面角度在加工过程中产生的偏差，这种闸板叫做弹性闸板。

本系列产品具有以下特点：

- 1、流体阻力小，密封面受介质的冲刷和侵蚀小。
- 2、开闭较省力。
- 3、介质流向不受限制，不扰流、不降低压力。
- 4、形体简单，结构长度短，制造工艺性好，适用范围广。

Structural characteristics:

Fluorine lined gate valve is a type of valve. The opening and closing component of the fluorine lined gate valve is the gate, and the movement direction of the gate is perpendicular to the direction of the fluid. The gate valve can only be fully open and fully closed, and cannot be adjusted or throttled.

There are two gate sealing surface, the most common mode of gate valve sealing surface to form two wedge, wedge angle varies with the valve parameters, usually 5°, medium is not high temperature is 2°52'.

Wedge gate valve can be made into a whole, called the rigid gate; also be made to produce small deformation of the gate, in order to improve its process, make up the sealing surface angle deviations arising during processing, this gate is called the flexible gate.

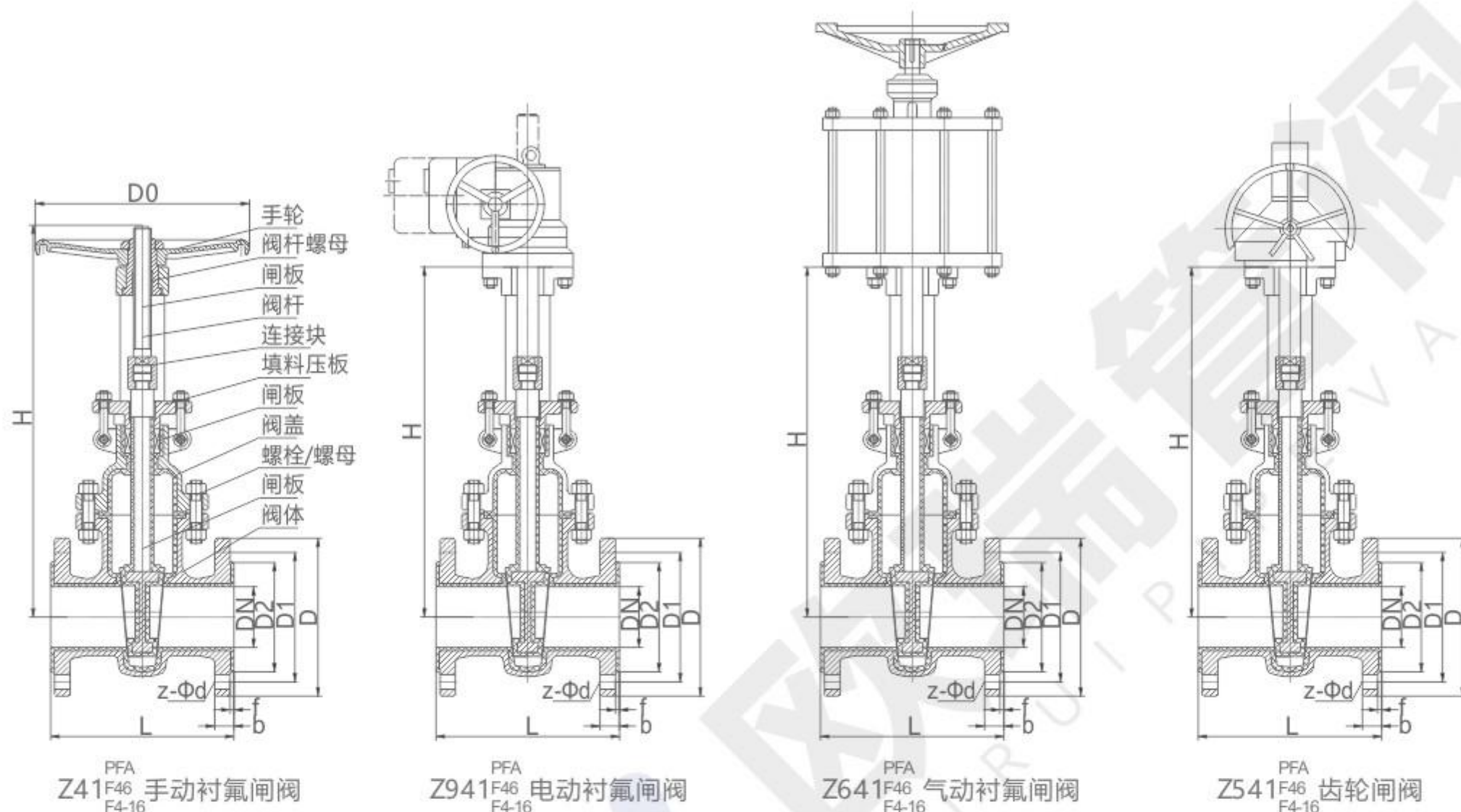
This series of products have the following characteristics:

- 1. small fluid resistance, the sealing surface by erosion Chong brush medium and small.
- 2. open and close more effort.
- 3. media flow unrestricted, non spoiler, do not reduce the pressure.
- 4. form a simple structure, short length, good manufacturing process, applicable to a wide range of.

|                          |                                                                                                     |                                    |                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------|
| 设计标准<br>Design standards | 设计制造规范: GB/T12234 API600<br>Design and Manufacturing Specification: GB/T12234 API600                | 性能规范<br>Performance specifications | 压力等级: PN0.6~1.6MPa 150Lb<br>Pressure rating: PN0.6~1.6MPa 150Lb |
|                          | 结构长度: GB/T12221 ASME B16.10<br>Structural length: GB/T12221 ASME B16.10                             |                                    | 强度试验: 1.5MPa<br>Strength test: 1.5MPa                           |
|                          | 连接尺寸: GB/T9113 JB/T79 HG/T20592 ASME B16.5<br>Connection size: GB/T9113 JB/T79 HG/T20592 ASME B16.5 |                                    | 密封试验: 1.1MPa<br>Sealing test: 1.1MPa                            |
|                          | 试验与检验: GB/T13927 API 598<br>Testing and Inspection: GB/T13927 API 598                               |                                    | 气密试验: 0.6MPa<br>Air tightness test: 0.6MPa                      |

## 衬氟闸阀

Fluorine lined gate valve



## 产品特性

设计标准: GB/T12234 API 600;  
结构长度: GB/T12221 ASME B16. 10;  
法兰标准: JB/T79 GB/T9113 HG/T20592 ASME B16. 5/47;  
公称压力: PN 0.6~2.5MPa 150Lb~300Lb  
检验试验: GB/T13927 API598  
驱动方式: 手动 / 电动 / 气动;

## Product Features

Design standard: GB/T12234 API 600;  
End-to-end dimension: GB/T12221 ASME B16. 10 HG/T3704;  
Flange standard: JB/T79 GB/T9113 HG/T20592 ASME B16. 5/47;  
Nominal pressure: PN 0.6~2.5MPa 150Lb~300Lb  
Inspection and testing: GB/T13927 API598  
Mode of driving: handle, electrically-driven, air-operated and so on

## 基本型号

Basic model

公称压力PN1.0-2.5(MPa)150Lb 公称通径DN20-500 (mm)/in3/4"-20"  
Nominal pressure PN1.0-2.5 (MPa) 150Lb, nominal diameter DN20-500 (mm)/in3/4 "-20"

|                                     |                     |                                       |                      |                                     |                      |                                    |                      |
|-------------------------------------|---------------------|---------------------------------------|----------------------|-------------------------------------|----------------------|------------------------------------|----------------------|
| 手动<br>闸阀<br>Manual<br>gate<br>valve | Z41PO               | 伞齿轮<br>闸阀<br>Bevel gear<br>gate valve | Z541PO               | 气动<br>闸阀<br>Pneumatic<br>gate valve | Z641PO               | 电动<br>闸阀<br>Electric<br>gate valve | Z941PO               |
|                                     | Z41F <sub>46</sub>  |                                       | Z541F <sub>46</sub>  |                                     | Z641F <sub>46</sub>  |                                    | Z941F <sub>46</sub>  |
|                                     | Z41F <sub>501</sub> |                                       | Z541F <sub>501</sub> |                                     | Z641F <sub>501</sub> |                                    | Z941F <sub>501</sub> |

## 主要零部件材料表 List of Main Component Materials

| 序号<br>NO | 零件名称<br>Name                                    | 球墨铸铁<br>Nodular cast iron                                                                                                | 铸铁<br>Cast iron | 不锈钢<br>Stainless steel |         | 超低碳不锈钢<br>Ultra low carbon stainless steel |                |
|----------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------|---------|--------------------------------------------|----------------|
|          |                                                 | Q                                                                                                                        | C               | P                      | R       | P <sub>L</sub>                             | R <sub>L</sub> |
| 1        | 阀体、阀盖、阀瓣<br>Valve body, valve cover, valve disc | QT450-10                                                                                                                 | WCB             | CF 8                   | CF8M    | CF 3                                       | CF3M           |
| 2        | 阀杆<br>Valve stem                                | 35                                                                                                                       | 1Cr13           | 304                    | 316     | 304L                                       | 316L           |
| 3        | 衬里层<br>Lining layer                             | PFA(F <sub>501</sub> ) PTFE(F <sub>4</sub> ) PCTFE(F <sub>3</sub> ) FEP(F <sub>45</sub> ) PFA(可溶F <sub>4</sub> ) PO(聚烯烃) |                 |                        |         |                                            |                |
| 4        | 中法兰螺栓<br>Middle flange bolt                     | A193 B7                                                                                                                  | A193 B7         | A193 B8                | A193 B8 | A193 B8                                    | A193 B8        |
| 5        | 中法兰螺母<br>Middle flange nut                      | A194 2H                                                                                                                  | A194 2H         | A194 8                 | A194 8  | A194 8M                                    | A194 8M        |
| 6        | 填料、垫片<br>Packing and gasket                     | PTFE                                                                                                                     |                 |                        |         |                                            |                |
| 7        | 支架<br>Bracket                                   | HT250、WCB、CF8                                                                                                            |                 |                        |         |                                            |                |
| 8        | 阀杆螺母<br>Stem nut                                | ZCuAl10Fe3                                                                                                               |                 |                        |         |                                            |                |
| 9        | 手轮<br>Handwheel                                 | KT330-08                                                                                                                 |                 |                        |         |                                            |                |

## 衬氟闸阀 Fluorine lined gate valve

### PN10 衬氟闸阀

| 公称通径<br>Nominal Diameter |           | 标准值<br>Standard value |     |     |     |   |    |        | 参考值<br>Reference value |     |       |
|--------------------------|-----------|-----------------------|-----|-----|-----|---|----|--------|------------------------|-----|-------|
| DN(mm)                   | NPS(inch) | L                     | D   | D1  | D2  | f | b  | Z-Ød   | H                      | D0  | W(Kg) |
| 15                       | 1/2       | 140                   | 95  | 65  | 45  | 2 | 16 | 4-Ø14  | 100                    | 110 | /     |
| 20                       | 3/4       | 152                   | 105 | 75  | 58  | 2 | 18 | 4-Ø14  | 140                    | 100 | /     |
| 25                       | 1         | 165                   | 115 | 85  | 68  | 2 | 18 | 4-Ø14  | 155                    | 160 | /     |
| 32                       | 1 1/4     | 178                   | 140 | 100 | 78  | 2 | 18 | 4-Ø18  | 185                    | 160 | /     |
| 40                       | 1 1/2     | 240                   | 150 | 110 | 88  | 2 | 18 | 4-Ø18  | 210                    | 180 | /     |
| 50                       | 2         | 250                   | 165 | 125 | 102 | 2 | 18 | 4-Ø18  | 295                    | 180 | /     |
| 65                       | 2 1/2     | 270                   | 185 | 145 | 122 | 2 | 18 | 8-Ø18  | 335                    | 220 | /     |
| 80                       | 3         | 280                   | 200 | 160 | 138 | 2 | 20 | 8-Ø18  | 402                    | 250 | /     |
| 100                      | 4         | 300                   | 220 | 180 | 158 | 2 | 20 | 8-Ø18  | 455                    | 280 | /     |
| 125                      | 5         | 325                   | 250 | 210 | 188 | 2 | 22 | 8-Ø18  | 605                    | 320 | /     |
| 150                      | 6         | 350                   | 285 | 240 | 212 | 2 | 22 | 8-Ø22  | 690                    | 360 | /     |
| 200                      | 8         | 400                   | 340 | 295 | 268 | 2 | 24 | 8-Ø22  | 727                    | 400 | /     |
| 250                      | 10        | 450                   | 395 | 350 | 320 | 2 | 26 | 12-Ø22 | 970                    | 400 | /     |
| 300                      | 12        | 500                   | 445 | 400 | 370 | 2 | 26 | 12-Ø22 | 1135                   | 450 | /     |
| 350                      | 14        | 550                   | 505 | 460 | 430 | 2 | 26 | 16-Ø22 | 1280                   | 450 | /     |
| 400                      | 16        | 600                   | 565 | 515 | 482 | 2 | 26 | 16-Ø26 | 1450                   | 500 | /     |
| 450                      | 18        | 650                   | 615 | 565 | 532 | 2 | 28 | 20-Ø26 | 1538                   | 500 | /     |
| 500                      | 20        | 700                   | 670 | 620 | 585 | 2 | 28 | 20-Ø26 | 1730                   | 500 | /     |

### PN16 衬氟闸阀

| 公称通径<br>Nominal Diameter |           | 标准值<br>Standard value |     |     |     |   |    |        | 参考值<br>Reference value |     |       |
|--------------------------|-----------|-----------------------|-----|-----|-----|---|----|--------|------------------------|-----|-------|
| DN(mm)                   | NPS(inch) | L                     | D   | D1  | D2  | f | b  | Z-Ød   | H                      | D0  | W(Kg) |
| 15                       | 1/2       | 140                   | 95  | 65  | 45  | 2 | 16 | 4-Ø14  | 100                    | 110 | /     |
| 20                       | 3/4       | 152                   | 105 | 75  | 58  | 2 | 18 | 4-Ø14  | 140                    | 100 | /     |
| 25                       | 1         | 165                   | 115 | 85  | 68  | 2 | 18 | 4-Ø14  | 155                    | 160 | /     |
| 32                       | 1 1/4     | 178                   | 140 | 100 | 78  | 2 | 18 | 4-Ø18  | 185                    | 160 | /     |
| 40                       | 1 1/2     | 240                   | 150 | 110 | 88  | 2 | 18 | 4-Ø18  | 210                    | 180 | /     |
| 50                       | 2         | 250                   | 165 | 125 | 102 | 2 | 18 | 4-Ø18  | 295                    | 180 | /     |
| 65                       | 2 1/2     | 270                   | 185 | 145 | 122 | 2 | 18 | 8-Ø18  | 335                    | 220 | /     |
| 80                       | 3         | 280                   | 200 | 160 | 138 | 2 | 20 | 8-Ø18  | 402                    | 250 | /     |
| 100                      | 4         | 300                   | 220 | 180 | 158 | 2 | 20 | 8-Ø18  | 455                    | 280 | /     |
| 125                      | 5         | 325                   | 250 | 210 | 188 | 2 | 22 | 8-Ø18  | 605                    | 320 | /     |
| 150                      | 6         | 350                   | 285 | 240 | 212 | 2 | 22 | 8-Ø22  | 690                    | 360 | /     |
| 200                      | 8         | 400                   | 340 | 295 | 268 | 2 | 24 | 12-Ø22 | 727                    | 400 | /     |
| 250                      | 10        | 450                   | 405 | 355 | 320 | 2 | 26 | 12-Ø26 | 970                    | 400 | /     |
| 300                      | 12        | 500                   | 460 | 410 | 378 | 2 | 28 | 12-Ø26 | 1135                   | 450 | /     |
| 350                      | 14        | 550                   | 520 | 470 | 428 | 2 | 30 | 16-Ø26 | 1280                   | 450 | /     |
| 400                      | 16        | 600                   | 580 | 525 | 490 | 2 | 32 | 16-Ø30 | 1450                   | 500 | /     |

## 衬氟闸阀 Fluorine lined gate valve

### PN25 衬氟闸阀

| 公称通径<br>Nominal Diameter |           | 标准值<br>Standard value |     |     |     |   |    |        | 参考值<br>Reference value |     |       |
|--------------------------|-----------|-----------------------|-----|-----|-----|---|----|--------|------------------------|-----|-------|
| DN(mm)                   | NPS(inch) | L                     | D   | D1  | D2  | f | b  | Z-Ød   | H                      | D0  | W(Kg) |
| 15                       | 1/2       | 140                   | 95  | 65  | 45  | 2 | 16 | 4-Ø14  | 100                    | 110 | /     |
| 20                       | 3/4       | 152                   | 105 | 75  | 58  | 2 | 18 | 4-Ø14  | 140                    | 100 | /     |
| 25                       | 1         | 165                   | 115 | 85  | 68  | 2 | 18 | 4-Ø14  | 155                    | 160 | /     |
| 32                       | 1 1/4     | 178                   | 140 | 100 | 78  | 2 | 18 | 4-Ø18  | 185                    | 160 | /     |
| 40                       | 1 1/2     | 240                   | 150 | 110 | 88  | 2 | 18 | 4-Ø18  | 210                    | 180 | /     |
| 50                       | 2         | 250                   | 165 | 125 | 102 | 2 | 20 | 4-Ø18  | 295                    | 180 | /     |
| 65                       | 2 1/2     | 270                   | 185 | 145 | 122 | 2 | 22 | 8-Ø18  | 335                    | 220 | /     |
| 80                       | 3         | 280                   | 200 | 160 | 138 | 2 | 24 | 8-Ø18  | 402                    | 250 | /     |
| 100                      | 4         | 300                   | 235 | 190 | 162 | 2 | 24 | 8-Ø22  | 455                    | 280 | /     |
| 125                      | 5         | 325                   | 270 | 220 | 188 | 2 | 26 | 8-Ø26  | 605                    | 320 | /     |
| 150                      | 6         | 350                   | 300 | 250 | 218 | 2 | 28 | 8-Ø26  | 690                    | 360 | /     |
| 200                      | 8         | 400                   | 360 | 310 | 278 | 2 | 30 | 12-Ø26 | 727                    | 400 | /     |
| 250                      | 10        | 450                   | 425 | 370 | 335 | 2 | 32 | 12-Ø30 | 970                    | 400 | /     |
| 300                      | 12        | 500                   | 485 | 430 | 395 | 2 | 34 | 16-Ø30 | 1135                   | 450 | /     |
| 350                      | 14        | 550                   | 555 | 490 | 450 | 2 | 38 | 16-Ø33 | 1280                   | 450 | /     |
| 400                      | 16        | 600                   | 620 | 550 | 505 | 2 | 40 | 16-Ø36 | 1450                   | 500 | /     |

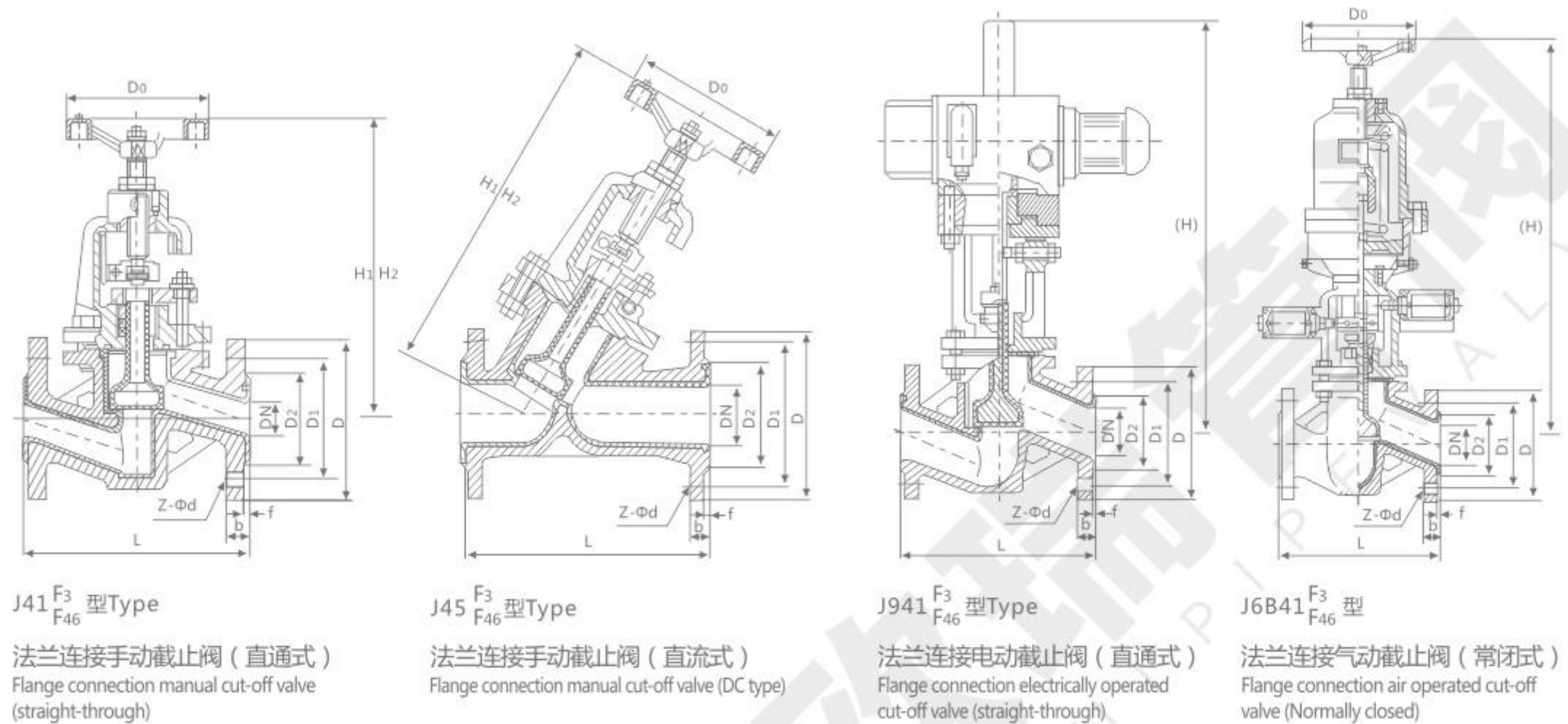
### Class150 衬氟闸阀

| 公称通径<br>Nominal Diameter |           | 标准值<br>Standard value |     |       |       |   |      |        | 参考值<br>Reference value |     |       |
|--------------------------|-----------|-----------------------|-----|-------|-------|---|------|--------|------------------------|-----|-------|
| DN(mm)                   | NPS(inch) | L                     | D   | D1    | D2    | f | b    | Z-Ød   | H                      | D0  | W(Kg) |
| 15                       | 1/2       | 140                   | 90  | 60.3  | 34.9  | 2 | 11.6 | 4-Ø16  | 100                    | 110 | /     |
| 20                       | 3/4       | 152                   | 100 | 69.9  | 42.9  | 2 | 13.2 | 4-Ø16  | 140                    | 100 | /     |
| 25                       | 1         | 165                   | 110 | 79.4  | 50.8  | 2 | 14.7 | 4-Ø16  | 155                    | 160 | /     |
| 32                       | 1 1/4     | 178                   | 115 | 88.9  | 63.5  | 2 | 16.3 | 4-Ø16  | 185                    | 160 | /     |
| 40                       | 1 1/2     | 240                   | 125 | 98.4  | 73    | 2 | 17.9 | 4-Ø16  | 210                    | 180 | /     |
| 50                       | 2         | 250                   | 150 | 120.7 | 92.1  | 2 | 19.5 | 4-Ø18  | 295                    | 180 | /     |
| 65                       | 2 1/2     | 270                   | 180 | 139.7 | 104.8 | 2 | 22.7 | 4-Ø18  | 335                    | 220 | /     |
| 80                       | 3         | 280                   | 190 | 152.4 | 127   | 2 | 24.3 | 4-Ø18  | 402                    | 250 | /     |
| 100                      | 4         | 300                   | 230 | 190.5 | 157.2 | 2 | 24.3 | 8-Ø18  | 455                    | 280 | /     |
| 125                      | 5         | 325                   | 255 | 215.9 | 185.7 | 2 | 24.3 | 8-Ø22  | 605                    | 320 | /     |
| 150                      | 6         | 350                   | 280 | 241.3 | 215.9 | 2 | 25.9 | 8-Ø22  | 690                    | 360 | /     |
| 200                      | 8         | 400                   | 345 | 298.5 | 269.9 | 2 | 29   | 8-Ø22  | 727                    | 400 | /     |
| 250                      | 10        | 450                   | 405 | 362   | 323.8 | 2 | 30.6 | 12-Ø26 | 970                    | 400 | /     |
| 300                      | 12        | 500                   | 485 | 431.8 | 381   | 2 | 32.2 | 12-Ø26 | 1135                   | 450 | /     |
| 350                      | 14        | 550                   | 535 | 476.3 | 412.8 | 2 | 35.4 | 12-Ø30 | 1280                   | 450 | /     |
| 400                      | 16        | 600                   | 595 | 539.8 | 469.9 | 2 | 37   | 16-Ø30 | 1450                   | 500 | /     |

注：上图所列法兰数值为化工部标准，如需其它标准请在订货时注明。

Note: The flange values listed in the above figure are the standards of the Ministry of Chemical Industry. If other standards are required, please indicate them when ordering.

## 衬氟法兰截止阀 Fluorine lined flange globe valve



|                                 |                                                              |
|---------------------------------|--------------------------------------------------------------|
| 遵循规范<br>Follow the standard     | STANDARD                                                     |
| 设计与制造<br>Design and manufacture | GB 12233/GB 12235                                            |
| 结构长度<br>Structure Length        | GB 12221(长—短系列Long - Short Series)                           |
| 法兰尺寸<br>Flange size             | GB/T9113.1、GB/T17241.6<br>(或按合同要求Or by contract requirement) |
| 压力试验<br>Pressure test           | GB/T 13927                                                   |
| 标志<br>Mark                      | GB 12220                                                     |
| 供货<br>Availability              | GB/T 12252                                                   |

### 法兰连接截止阀 Flange connection cut-off valve

- ※设计与制造符合中国国家标准
- ※Design and manufacture comply with national standards of China
- ※基本结构形式：直通式、直流式
- ※Basic structure form: Straight-through, DC type
- ※公称压力PN1.0~2.5MPa
- ※Nominal pressure PN1.0~2.5MPa
- ※公称通径DN15~350mm
- ※Nominal size DN15~350mm

### 基本型号（全衬里）The basic model (full lining)

|                 |                                                        |                        |                                         |
|-----------------|--------------------------------------------------------|------------------------|-----------------------------------------|
| 手动<br>Hand      | J41F <sub>3</sub> J41F <sub>46</sub>                   | 齿轮<br>传动<br>Gear drive | J441F <sub>3</sub> J441F <sub>46</sub>  |
|                 | J45F <sub>3</sub> J45F <sub>46</sub>                   |                        | J54F <sub>3</sub> J45541F <sub>46</sub> |
| 气动<br>Pneumatic | J6B41F <sub>3</sub> J6B4 <sub>46</sub> F <sub>46</sub> | 电动                     | J941F <sub>3</sub> J941F <sub>46</sub>  |

### 主要零部件材料表 Main spare part bill of materials

| 序号<br>NO. | 零件名称<br>Part name            | 灰铸铁<br>Grey cast iron                                                     | 碳钢 Carbon Steel | 不锈钢 Stainless steel |             | 超低碳不锈钢<br>Low Carbon Stainless Steel |               |
|-----------|------------------------------|---------------------------------------------------------------------------|-----------------|---------------------|-------------|--------------------------------------|---------------|
|           |                              | Z                                                                         | C               | P                   | R           | PL                                   | RL            |
| 1         | 阀体、阀盖<br>Body, cover         | HT250                                                                     | WCB             | CF8                 | CF8M        | CF3                                  | CF3M          |
| 2         | 阀瓣、阀杆<br>Disc, stem          | 35                                                                        | 1Cr13           | 0Cr18Ni9            | 0Cr1Ti12Mo2 | 00Cr18Ni10                           | 00Cr17Ni14Mo2 |
| 3         | 活节螺栓<br>Live bolts           | 35                                                                        | 35              | 1Cr17Ni2            | 1Cr17Ni2    | 1Cr17Ni2                             | 1Cr17Ni2      |
| 4         | 衬里层/阀座<br>Lining level/ seat | FEP(F46) PCTFE(F3) PTFE(F4) PFA (可溶性聚四氟乙烯Soluble PTFE) Po (聚烯烃Polyolefin) |                 |                     |             |                                      |               |
| 5         | 填料Packing                    | PTFE(F4)                                                                  |                 |                     |             |                                      |               |
| 6         | 填料压盖<br>Packing cover        | WCB                                                                       | WCB             | Cf8                 | CF8M        | Cf3                                  | CF3M          |
| 7         | 阀杆螺母<br>Stem nut             | ZCuAl10Fe3                                                                |                 |                     |             |                                      |               |
| 8         | 螺栓Bolt                       | 35                                                                        | 35              | 1Cr17Ni2            | 1Cr17Ni2    | 1Cr18Ni9Ti                           | 1Cr18Ni9Ti    |
| 9         | 螺母Nut                        | 45                                                                        | 45              | 0Cr18Ni9            | 0Cr18Ni9    | 0Cr18Ni9                             | 0Cr18Ni9      |
| 10        | 手轮<br>Hand wheel             | Ht200                                                                     | Ht200           | WCC                 | WCC         | WCC                                  | WCC           |

## 衬氟法兰截止阀

Fluorine lined flange globe valve

### 主要连接尺寸及重量 Main connection dimension and weight

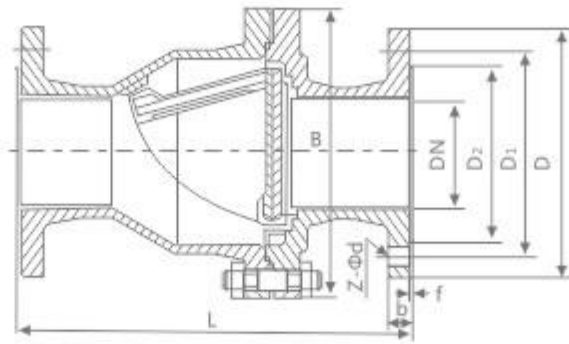
| 公称通径DN     |               | 标准值Standard value |     |     |     |   |    |         | 参数值Reference value |     |     |                   |
|------------|---------------|-------------------|-----|-----|-----|---|----|---------|--------------------|-----|-----|-------------------|
| DN<br>(mm) | NPS<br>(inch) | L                 | D   | D1  | D2  | f | b  | Z-Φd    | D0                 | H1  | H2  | 重量 (kg)<br>Weight |
| PN1.0MPa   |               |                   |     |     |     |   |    |         |                    |     |     |                   |
| 15         | 1/2           | 130               | 95  | 65  | 45  | 2 | 12 | 4-Φ14   | 100                | 235 | 260 | /                 |
| 20         | 3/4           | 150               | 105 | 75  | 55  | 2 | 14 | 4-Φ14   | 100                | 240 | 265 | /                 |
| 25         | 1             | 160               | 115 | 85  | 65  | 2 | 14 | 4-Φ14   | 120                | 245 | 270 | /                 |
| 32         | 1 1/4         | 180               | 135 | 100 | 78  | 2 | 16 | 4-Φ18   | 140                | 255 | 285 | /                 |
| 40         | 1 1/2         | 200               | 145 | 110 | 85  | 3 | 18 | 4-Φ18   | 140                | 285 | 315 | /                 |
| 50         | 2             | 230               | 160 | 125 | 100 | 3 | 18 | 4-Φ18   | 160                | 295 | 330 | /                 |
| 65         | 2 1/2         | 290               | 180 | 145 | 120 | 3 | 20 | 4-Φ18   | 180                | 350 | 395 | /                 |
| 80         | 3             | 310               | 195 | 160 | 135 | 3 | 20 | 4/8-Φ18 | 240                | 395 | 445 | /                 |
| 100        | 4             | 350               | 215 | 180 | 155 | 3 | 22 | 8-Φ18   | 240                | 450 | 490 | /                 |
| 125        | 5             | 400               | 245 | 210 | 185 | 3 | 24 | 8-Φ18   | 280                | 525 | 555 | /                 |
| 150        | 6             | 480               | 280 | 240 | 210 | 3 | 24 | 8-Φ23   | 320                | 605 | 645 | /                 |
| 200        | 8             | 495               | 335 | 295 | 265 | 3 | 24 | 8-Φ23   | 360                | 645 | 765 | /                 |
| 250        | 10            | 622               | 390 | 350 | 320 | 3 | 26 | 12-Φ23  | 400                | 685 | 805 | /                 |
| 300        | 12            | 698               | 440 | 400 | 368 | 4 | 28 | 12-Φ23  | 400                | 710 | 814 | /                 |
| 350        | 14            | 787               | 500 | 460 | 428 | 4 | 28 | 16-Φ23  | 450                | 750 | 855 | /                 |
| PN1.6MPa   |               |                   |     |     |     |   |    |         |                    |     |     |                   |
| 15         | 1/2           | 130               | 95  | 65  | 45  | 2 | 14 | 4-Φ14   | 100                | 240 | 265 | /                 |
| 20         | 3/4           | 150               | 105 | 75  | 55  | 2 | 14 | 4-Φ14   | 100                | 245 | 270 | /                 |
| 25         | 1             | 160               | 115 | 85  | 65  | 2 | 14 | 4-Φ14   | 120                | 250 | 275 | /                 |
| 32         | 1 1/4         | 180               | 135 | 100 | 78  | 2 | 16 | 4-Φ18   | 140                | 260 | 290 | /                 |
| 40         | 1 1/2         | 200               | 145 | 110 | 85  | 3 | 16 | 4-Φ18   | 140                | 285 | 320 | /                 |
| 50         | 2             | 230               | 160 | 125 | 100 | 3 | 16 | 4-Φ18   | 160                | 300 | 335 | /                 |
| 65         | 2 1/2         | 290               | 180 | 145 | 120 | 3 | 18 | 4-Φ18   | 180                | 355 | 400 | /                 |
| 80         | 3             | 310               | 195 | 160 | 135 | 3 | 20 | 8-Φ18   | 240                | 400 | 450 | /                 |
| 100        | 4             | 350               | 215 | 180 | 155 | 3 | 20 | 8-Φ18   | 240                | 455 | 495 | /                 |
| 125        | 5             | 400               | 245 | 210 | 185 | 3 | 22 | 8-Φ18   | 280                | 530 | 560 | /                 |
| 150        | 6             | 480               | 280 | 240 | 210 | 3 | 24 | 8-Φ23   | 320                | 610 | 650 | /                 |
| 200        | 8             | 495               | 335 | 295 | 265 | 3 | 26 | 12-Φ23  | 360                | 650 | 770 | /                 |
| 250        | 10            | 622               | 405 | 355 | 320 | 3 | 30 | 12-Φ25  | 400                | 690 | 810 | /                 |
| 300        | 12            | 698               | 460 | 410 | 375 | 4 | 30 | 12-Φ25  | 400                | 730 | 845 | /                 |
| PN2.5MPa   |               |                   |     |     |     |   |    |         |                    |     |     |                   |
| 15         | 1/2           | 130               | 95  | 65  | 45  | 2 | 16 | 4-Φ14   | 120                | 240 | 265 | /                 |
| 20         | 3/4           | 150               | 105 | 75  | 55  | 2 | 16 | 4-Φ14   | 120                | 245 | 270 | /                 |
| 25         | 1             | 160               | 115 | 85  | 65  | 2 | 16 | 4-Φ14   | 140                | 250 | 275 | /                 |
| 32         | 1 1/4         | 180               | 135 | 100 | 78  | 2 | 18 | 4-Φ18   | 160                | 260 | 290 | /                 |
| 40         | 1 1/2         | 200               | 145 | 110 | 85  | 3 | 18 | 4-Φ18   | 180                | 285 | 320 | /                 |
| 50         | 2             | 230               | 160 | 125 | 100 | 3 | 20 | 4-Φ18   | 180                | 300 | 335 | /                 |
| 65         | 2 1/2         | 290               | 180 | 145 | 120 | 3 | 22 | 8-Φ18   | 240                | 355 | 400 | /                 |
| 80         | 3             | 310               | 195 | 160 | 135 | 3 | 22 | 8-Φ18   | 280                | 400 | 450 | /                 |
| 100        | 4             | 350               | 230 | 190 | 160 | 3 | 24 | 8-Φ23   | 320                | 455 | 495 | /                 |
| 125        | 5             | 400               | 270 | 220 | 188 | 3 | 28 | 8-Φ25   | 320                | 530 | 560 | /                 |
| 150        | 6             | 480               | 300 | 250 | 218 | 3 | 30 | 8-Φ25   | 360                | 610 | 650 | /                 |

\*法兰尺寸PN1.0MPa, DN80螺栓孔数量JB78时, Z=4,其它标准时Z=8。

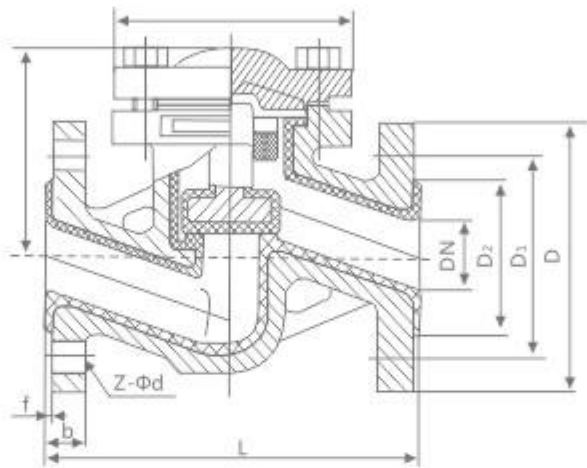
\* Flange Size PN1.0MPa, DN80 bolt hole when the number of JB78, Z = 4, when other standards Z = 8.

## 衬氟法兰止回阀

Fluorine lined flange check valve



H44-F<sub>3</sub>/F<sub>46</sub> 型止回阀(旋启式)  
H44-F<sub>3</sub>/F<sub>46</sub> Check valve (swing type)



H41-F<sub>3</sub>/F<sub>46</sub> 型法兰连接止回阀(直通升降式)  
H41-F<sub>3</sub>/F<sub>46</sub> Flange connection valve (straight-through lift)

|                                 |                                                                    |
|---------------------------------|--------------------------------------------------------------------|
| 遵循规范<br>Follow the standard     | STANDARD                                                           |
| 设计与制造<br>Design and manufacture | GB 12235/GB 2236                                                   |
| 结构长度<br>Structure Length        | GB 12221(长短系列Long - Short Series)                                  |
| 法兰尺寸Flange size                 | JB/T78、JB/T79、JB/T82、JB/F82<br>(或按合同要求Or by contract requirements) |
| 压力试验Pressure test               | GB/T 13927                                                         |
| 标志Mark                          | GB 12220                                                           |
| 供货 Availability                 | GB/T 12252                                                         |

### 法兰连接止回阀(全衬里) Flange connection check valve (entire lining)

※设计与制造符合中国国家标准  
\* Design and manufacture conform to China national standards

※基本结构形式：旋启式、直通升降式  
\* Basic structure form: Turns on lathe opens the type, to go nonstop to the elevating

※公称压力PN0.6 ~ 1.6MPa  
\* Nominal pressure PN0.6~1.6MPa

※公称通径DN15 ~ 500mm  
\* Nominal size DN15~500mm

※基本型号H41F3 H41F46 H44F3 H44F46  
\* Basic model H41F3 H41F46 H44F3 H44F46

### 主要零部件材料表 Main spare part bill of materials

| 序号<br>NO. | 零件名称<br>Part name             | 灰铸铁Grey cast iron                                              | 碳钢Carbon Steel | 不锈钢Stainless steel |          | 超低碳不锈钢Low carbon stainless steel |          |
|-----------|-------------------------------|----------------------------------------------------------------|----------------|--------------------|----------|----------------------------------|----------|
|           |                               | Z                                                              | C              | P                  | R        | PL                               | RL       |
| 1         | 阀体、阀盖、阀瓣<br>Body, cover, disc | Ht250                                                          | WCB            | CF8                | CF8M     | CF3                              | CF3M     |
| 2         | 衬里层Lining layer               | FEP(F46) PFA(可溶性聚四氟乙烯Soluble PTFE) PCTFE(F3) PO(聚烯烃Polyolefin) |                |                    |          |                                  |          |
| 3         | 销轴Pin                         | 1Cr13/35 WCB 1Cr18Ni9/CF8 00Cr17Ni14Mo2/CF3M                   |                |                    |          |                                  |          |
| 4         | 隔膜Diaphragm                   | 35                                                             | 35             | 1Cr17Ni2           | 1Cr17Ni2 | 0Cr18Ni9                         | 0Cr18Ni9 |

### 主要连接尺寸及重量 Main connection dimension and weight

JB/T82.1-1994

| 公称通径DN     |               | 标准值Standard value |     |     |     |   |    |        | 参考值Reference value |     |              |
|------------|---------------|-------------------|-----|-----|-----|---|----|--------|--------------------|-----|--------------|
| DN<br>(mm) | NPS<br>(inch) | L                 | D   | D1  | D2  | f | b  | Z-Φd   | B                  | H   | 重量Weight(kg) |
| PN0.6MPa   |               |                   |     |     |     |   |    |        |                    |     |              |
| 15         | 1/2           | 130               | 80  | 55  | 40  | 2 | 12 | 4-Φ12  | 105                | 55  | /            |
| 20         | 3/4           | 150               | 90  | 65  | 50  | 2 | 14 | 4-Φ12  | 115                | 58  | /            |
| 25         | 1             | 160               | 100 | 75  | 60  | 2 | 14 | 4-Φ12  | 128                | 60  | /            |
| 32         | 1 1/4         | 180               | 120 | 90  | 70  | 2 | 16 | 4-Φ14  | 145                | 75  | /            |
| 40         | 1 1/2         | 200               | 130 | 100 | 80  | 3 | 16 | 4-Φ14  | 160                | 82  | /            |
| 50         | 2             | 230               | 140 | 110 | 90  | 3 | 16 | 4-Φ14  | 178                | 95  | /            |
| 65         | 2 1/2         | 290               | 160 | 130 | 110 | 3 | 16 | 4-Φ14  | 205                | 105 | /            |
| 80         | 3             | 310               | 185 | 150 | 125 | 3 | 18 | 4-Φ18  | 230                | 120 | /            |
| 100        | 4             | 350               | 205 | 170 | 145 | 3 | 18 | 4-Φ18  | 255                | 135 | /            |
| 125        | 5             | 400               | 235 | 200 | 175 | 3 | 20 | 8-Φ18  | 305                | 158 | /            |
| 150        | 6             | 480               | 260 | 225 | 200 | 3 | 20 | 8-Φ18  | 345                | 180 | /            |
| 200        | 8             | 495               | 315 | 280 | 255 | 3 | 22 | 8-Φ18  | 415                | 215 | /            |
| 250        | 10            | 622               | 370 | 335 | 310 | 3 | 24 | 12-Φ18 | 490                | 240 | /            |
| 300        | 12            | 698               | 435 | 395 | 362 | 4 | 24 | 12-Φ23 | 540                | 265 | /            |
| 350        | 14            | 787               | 485 | 445 | 412 | 4 | 26 | 12-Φ23 | 585                | 300 | /            |
| 400        | 16            | 914               | 535 | 495 | 462 | 4 | 28 | 16-Φ23 | 635                | 360 | /            |
| 450        | 18            | 978               | 590 | 550 | 518 | 4 | 28 | 16-Φ23 | 680                | 385 | /            |
| 500        | 20            | 978               | 640 | 600 | 568 | 4 | 30 | 16-Φ23 | 740                | 415 | /            |

## 衬氟法兰止回阀

Fluorine lined flange check valve

### 主要连接尺寸及重量 Main connection dimension and weight

JB/T82.1-1994

| 公称通径DN     |               | 标准值Standard value |     |     |     |   |    |        | 参考值Reference value |     |              |
|------------|---------------|-------------------|-----|-----|-----|---|----|--------|--------------------|-----|--------------|
| DN<br>(mm) | NPS<br>(inch) | L                 | D   | D1  | D2  | f | b  | Z-Φd   | B                  | H   | 重量Weight(kg) |
| PN1.0MPa   |               |                   |     |     |     |   |    |        |                    |     |              |
| 15         | 1/2           | 130               | 95  | 65  | 45  | 2 | 12 | 4-Φ14  | 105                | 55  | /            |
| 20         | 3/4           | 150               | 105 | 75  | 55  | 2 | 14 | 4-Φ14  | 115                | 58  | /            |
| 25         | 1             | 160               | 115 | 85  | 65  | 2 | 14 | 4-Φ14  | 128                | 60  | /            |
| 32         | 1 1/4         | 180               | 135 | 100 | 78  | 2 | 16 | 4-Φ18  | 145                | 75  | /            |
| 40         | 1 1/2         | 200               | 145 | 110 | 85  | 3 | 18 | 4-Φ18  | 160                | 82  | /            |
| 50         | 2             | 230               | 160 | 125 | 100 | 3 | 18 | 4-Φ18  | 178                | 95  | /            |
| 65         | 2 1/2         | 290               | 180 | 145 | 120 | 3 | 20 | 4-Φ18  | 205                | 105 | /            |
| 80         | 3             | 310               | 195 | 160 | 135 | 3 | 20 | 4-Φ18  | 230                | 120 | /            |
| 100        | 4             | 350               | 215 | 180 | 155 | 3 | 22 | 8-Φ18  | 255                | 135 | /            |
| 125        | 5             | 400               | 245 | 210 | 185 | 3 | 24 | 8-Φ18  | 305                | 158 | /            |
| 150        | 6             | 480               | 280 | 240 | 210 | 3 | 24 | 8-Φ23  | 345                | 180 | /            |
| 200        | 8             | 495               | 335 | 295 | 265 | 3 | 24 | 8-Φ23  | 415                | 215 | /            |
| 250        | 10            | 622               | 390 | 350 | 320 | 3 | 26 | 12-Φ23 | 490                | 240 | /            |
| 300        | 12            | 698               | 440 | 400 | 368 | 4 | 28 | 12-Φ23 | 540                | 265 | /            |
| 350        | 14            | 787               | 500 | 460 | 428 | 4 | 28 | 16-Φ23 | 585                | 300 | /            |
| 400        | 16            | 914               | 565 | 515 | 482 | 4 | 30 | 16-Φ25 | 635                | 360 | /            |
| 450        | 18            | 978               | 615 | 565 | 532 | 4 | 30 | 20-Φ25 | 680                | 385 | /            |
| 500        | 20            | 978               | 670 | 620 | 585 | 4 | 32 | 20-Φ25 | 740                | 415 | /            |

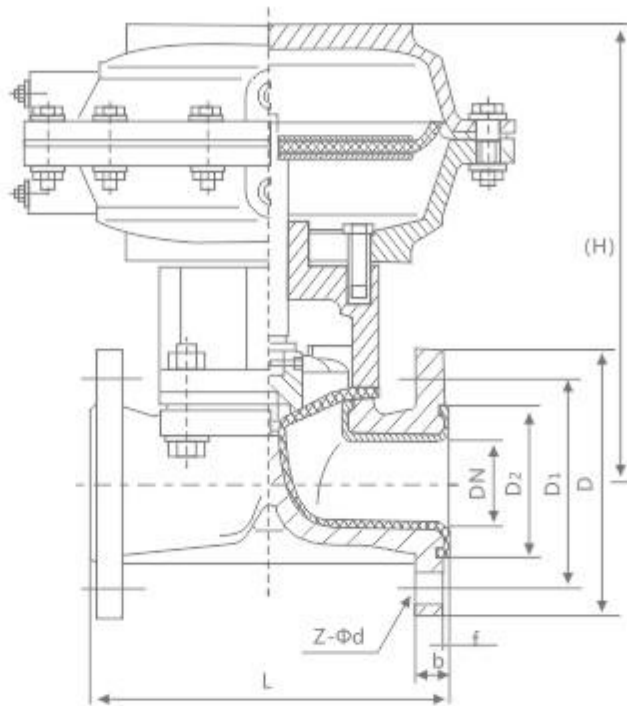
JB/T79.1-1994

| 公称通径DN     |               | 标准值Standard value |     |     |     |   |    |        | 参考值Reference value |     |              |
|------------|---------------|-------------------|-----|-----|-----|---|----|--------|--------------------|-----|--------------|
| DN<br>(mm) | NPS<br>(inch) | L                 | D   | D1  | D2  | f | b  | Z-Φd   | B                  | H   | 重量Weight(kg) |
| PN1.6MPa   |               |                   |     |     |     |   |    |        |                    |     |              |
| 15         | 1/2           | 130               | 95  | 65  | 45  | 2 | 14 | 4-Φ14  | 110                | 55  | /            |
| 20         | 3/4           | 150               | 105 | 75  | 55  | 2 | 16 | 4-Φ14  | 120                | 58  | /            |
| 25         | 1             | 160               | 115 | 85  | 65  | 2 | 18 | 4-Φ14  | 135                | 60  | /            |
| 32         | 1 1/4         | 180               | 135 | 100 | 78  | 2 | 18 | 4-Φ18  | 150                | 75  | /            |
| 40         | 1 1/2         | 200               | 145 | 110 | 85  | 3 | 20 | 4-Φ18  | 165                | 82  | /            |
| 50         | 2             | 230               | 160 | 125 | 100 | 3 | 22 | 4-Φ18  | 185                | 95  | /            |
| 65         | 2 1/2         | 290               | 180 | 145 | 120 | 3 | 24 | 4-Φ18  | 210                | 105 | /            |
| 80         | 3             | 310               | 195 | 160 | 135 | 3 | 24 | 8-Φ18  | 235                | 120 | /            |
| 100        | 4             | 350               | 215 | 180 | 155 | 3 | 26 | 8-Φ18  | 260                | 135 | /            |
| 125        | 5             | 400               | 245 | 210 | 185 | 3 | 28 | 8-Φ18  | 310                | 158 | /            |
| 150        | 6             | 480               | 280 | 240 | 210 | 3 | 28 | 8-Φ23  | 350                | 180 | /            |
| 200        | 8             | 495               | 335 | 295 | 265 | 3 | 30 | 12-Φ23 | 420                | 215 | /            |
| 250        | 10            | 622               | 405 | 355 | 320 | 3 | 32 | 12-Φ25 | 505                | 240 | /            |
| 300        | 12            | 698               | 460 | 410 | 375 | 4 | 32 | 12-Φ25 | 560                | 265 | /            |
| 350        | 14            | 787               | 520 | 470 | 435 | 4 | 34 | 16-Φ25 | 605                | 300 | /            |
| 400        | 16            | 914               | 580 | 525 | 485 | 4 | 38 | 16-Φ30 | 650                | 350 | /            |

\*法兰尺寸PN1.0MPa, DN80螺栓孔数量JB78时Z=4, 其它标准时Z=8。

\* Flange size PN1.0MPa, DN80 bolt hole when the number of JB78 Z = 4, other standards, Z = 8.

## 衬氟法兰隔膜阀 Fluorine lined flange diaphragm valve



Eg641 F<sub>46</sub> 型气动隔膜阀(堰式)  
EG641-F<sub>46</sub> Pneumatic diaphragm valve (weir type)

### 法兰连接隔膜阀 (英标) Flange connection diaphragm valve (British sign)

※设计与制造符合BS英国国家标准  
Design and manufacture conform to BS Britain national standards  
※公称压力PN0.6~1.6MPa  
Nominal pressure PN0.6~1.6MPa  
※基本结构形式：堰式、直流式  
Basic structure form: Weir, DC style  
※公称通径DN20~200mm  
Nominal size Dn20~200mm

### 主要零部件材料表 Main spare part bill of materials

| 序号<br>NO. | 零件名称<br>Part name             | 灰铸铁Grey cast iron                                                  | 碳钢Carbon Steel | 不锈钢Stainless steel |           | 超低碳不锈钢Low carbon stainless steel |            |
|-----------|-------------------------------|--------------------------------------------------------------------|----------------|--------------------|-----------|----------------------------------|------------|
|           |                               | Z                                                                  | C              | P                  | R         | PL                               | RL         |
| 1         | 阀体、阀盖、阀瓣<br>Body, cover, disc | A126C.I35A                                                         | A126 WCB       | A315 CF8           | A315 CF8M | A315 CF3                         | A315 CF3M  |
| 2         | 阀杆Stem                        | A182 F6a                                                           | A182 F6a       | A182 F304          | A182 F316 | A182 F304L                       | A182 F316L |
| 3         | 衬里层Lining layer               | FEP(F46) PFA(可溶性聚四氟乙烯Soluble PTFE) PCTFE(F3) PO(聚烯烃Polyolefin)     |                |                    |           |                                  |            |
| 4         | 隔膜Diaphragm                   | FEP(F46)/CR(氯丁橡胶Neoprene) PFA(可溶性聚四氟乙烯Soluble PTFE)/FPDM(乙丙橡胶EPDM) |                |                    |           |                                  |            |
| 5         | 螺栓Bolt                        | A193 B7                                                            | A193 B7        | A193 B8            | A193 B8M  | A193 B8                          | A193 B8M   |
| 6         | 螺母Nut                         | A194 2H                                                            | A194 2H        | A194 8             | A194 8M   | A194 8                           | A194 8M    |

### 主要连接尺寸及重量 Main connection dimension and weight

| 公称通径DN     |               | 标准值Standard value |     |     |     |   |    |         | 参考值Reference value |     |              |
|------------|---------------|-------------------|-----|-----|-----|---|----|---------|--------------------|-----|--------------|
| DN<br>(mm) | NPS<br>(inch) | L                 | D   | D1  | D2  | f | b  | Z-Φd    | D0                 | H   | 重量Weight(kg) |
| PN1.0MPa   |               |                   |     |     |     |   |    |         |                    |     |              |
| 20         | 3/4           | 121               | 105 | 75  | 55  | 2 | 14 | 4-Φ13.5 | 70                 | 92  | /            |
| 25         | 1             | 131               | 115 | 85  | 65  | 2 | 14 | 4-Φ13.5 | 83                 | 96  | /            |
| 32         | 1 1/4         | 150               | 135 | 100 | 78  | 2 | 16 | 4-Φ17.5 | 114                | 131 | /            |
| 40         | 1 1/2         | 163               | 145 | 110 | 85  | 3 | 18 | 4-Φ17.5 | 114                | 142 | /            |
| 50         | 2             | 194               | 160 | 125 | 100 | 3 | 18 | 4-Φ17.5 | 140                | 167 | /            |
| 65         | 2 1/2         | 220               | 180 | 145 | 120 | 3 | 20 | 4-Φ17.5 | 165                | 203 | /            |
| 80         | 3             | 258               | 195 | 160 | 135 | 3 | 20 | 8-Φ17.5 | 230                | 216 | /            |
| 100        | 4             | 309               | 215 | 180 | 155 | 3 | 22 | 8-Φ17.5 | 280                | 270 | /            |
| 125        | 5             | 362               | 245 | 210 | 185 | 3 | 24 | 8-Φ17.5 | 280                | 319 | /            |
| 150        | 6             | 412               | 280 | 240 | 210 | 3 | 24 | 8-Φ22   | 363                | 365 | /            |
| 200        | 8             | 529               | 335 | 295 | 265 | 3 | 24 | 8-Φ22   | 483                | 462 | /            |
| PN1.6MPa   |               |                   |     |     |     |   |    |         |                    |     |              |
| 20         | 3/4           | 121               | 105 | 75  | 55  | 2 | 16 | 4-Φ13.5 | 70                 | 92  | /            |
| 25         | 1             | 131               | 115 | 85  | 65  | 2 | 18 | 4-Φ13.5 | 83                 | 96  | /            |
| 32         | 1 1/4         | 150               | 135 | 100 | 78  | 2 | 18 | 4-Φ17.5 | 114                | 131 | /            |
| 40         | 1 1/2         | 163               | 145 | 110 | 85  | 3 | 20 | 4-Φ17.5 | 114                | 142 | /            |
| 50         | 2             | 194               | 160 | 125 | 100 | 3 | 22 | 4-Φ17.5 | 140                | 167 | /            |

\*除非合同另有规定，隔膜阀在PN0.6MPa时，其法兰尺寸按PN1.0MPa制造；\*法兰尺寸PN1.0MPa，DN80螺栓孔数量JB78时Z=4,其它标准时Z=8。

\*Unless otherwise specified herein, diaphragm valve in PN0.6MPa, its flange sizes manufactured by PN1.0MPa;

\*flange size PN1.0MPa, DN80 bolt hole when the number of JB78 Z = 4, other standards, Z = 8.

|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| 遵循规范<br>Follow the standard     | STANDARD                                                |
| 设计与制造<br>Design and manufacture | BS5156(一般用途隔膜阀)<br>General Purpose Diaphragm            |
| 结构长度<br>Structure Length        | (BS5156值+2f)=saunders                                   |
| 法兰尺寸Flange size                 | GB 4216、JB/T82.1<br>(或按合同要求Or by contract requirements) |
| 压力试验Pressure test               | API 598                                                 |
| 标志Mark                          | MSS SP-25                                               |
| 供货 Availability                 | BS 5156                                                 |

### 基本型号 (全衬里) Basic model (entire lining)

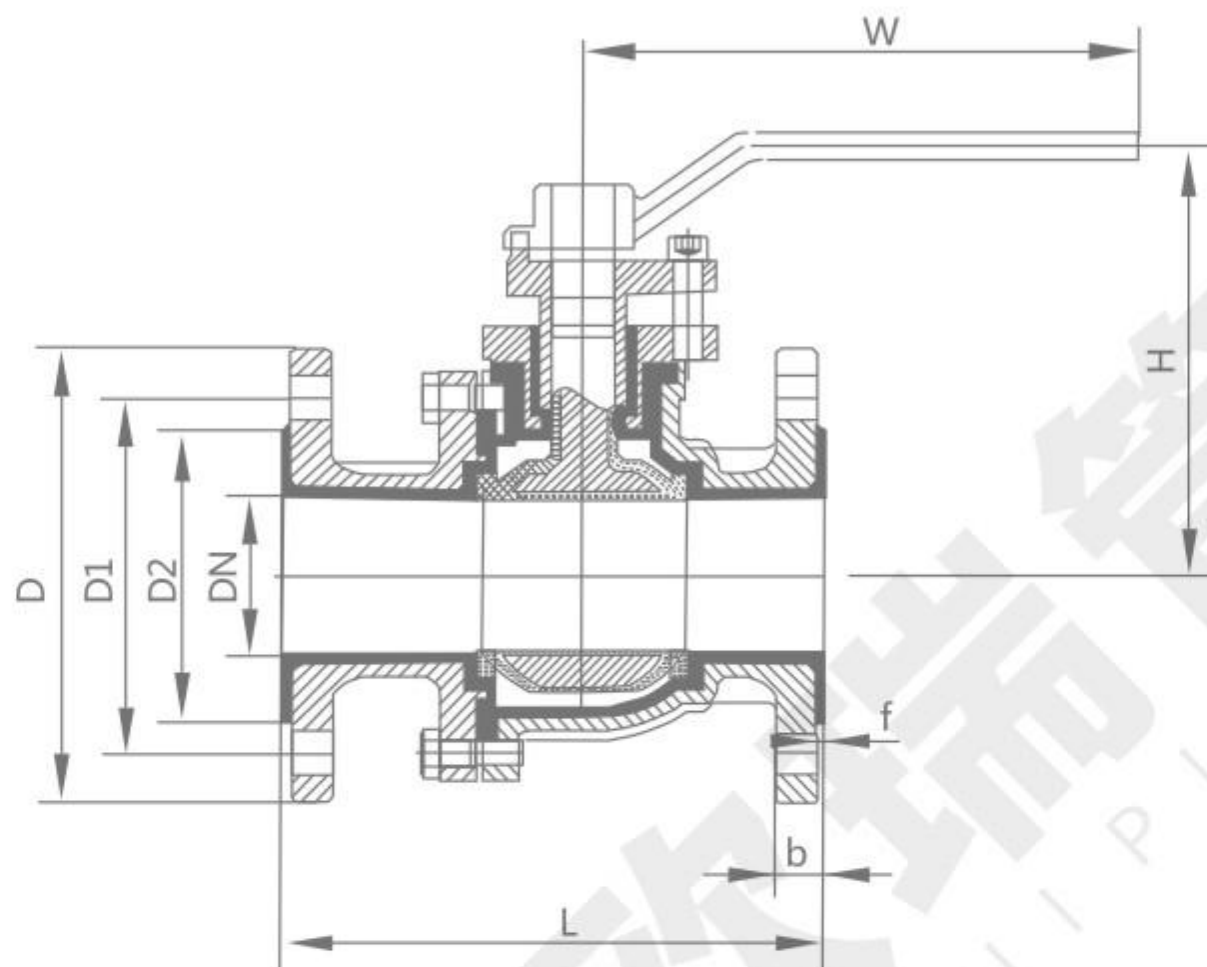
|                    |                              |                    |                              |
|--------------------|------------------------------|--------------------|------------------------------|
| 手动<br>Hand         | G41F3(堰式Weir)                | 手动<br>Hand         | G641F3(往复式Reciprocating)     |
|                    | G41F46(堰式Weir)               |                    | G641F46(往复式Reciprocating)    |
|                    | G45F3(直流式DC type)            |                    | G6B41F3(常闭式Normally closed)  |
|                    | G45F46(直流式DC type)           |                    | G6B41F46(常闭式Normally closed) |
| 电动<br>Electrically | G9B41F3(防爆型Explosion-proof)  | 电动<br>Electrically | G941F3(普通型Ordinary)          |
|                    | G9B41F46(防爆型Explosion-proof) |                    | G941F46普通型Ordinary)          |

## 衬氟法兰手动球阀

Manual ball valve lined with fluorine flange

衬氟国标球阀 (Q41F45-16)

Fluorine lined GB ball valve



## 基本型号 Basic model

|                       |               |                    |               |
|-----------------------|---------------|--------------------|---------------|
| 手动<br>Hand            | Q41F4(全衬里)    | 气动<br>Pneumatic    | Q641F4(全衬里)   |
|                       | Q41F46(全衬里)   |                    | Q641F46(全衬里)  |
|                       | Q41F4(全衬里)    |                    | Q641FA(全衬里)   |
| 蜗轮<br>传动<br>Worm gear | Q341F46(全衬里)  | 电动<br>Electrically | Q941F4(全衬里)   |
|                       | Q3411F46(全衬里) |                    | Q9411F46(全衬里) |
|                       | Q341PF4(全衬里)  |                    | Q941PFA(全衬里)  |

## 技术标准 Technical standards

|                                 |                                        |
|---------------------------------|----------------------------------------|
| 设计与制造<br>Design and manufacture | GB/T12237                              |
| 结构长度<br>Structure Length        | HG/T3704-2003 GB/T12221 ASME B16.10    |
| 法兰尺寸<br>Flange size             | HG/T20592-2009 ANSI B16.5a             |
| 驱动方式<br>Drive way               | 手动, 电动, 气动 Manual, electric, pneumatic |
| 公称压力<br>Nominal pressure        | 0.6、1.0、1.6、2.5MPa Class150 JIS10K     |
| 压力试验<br>Pressure test           | GB/T13927-92 API 598                   |

## 主要零部件材料表 Main spare part bill of materials

| 序号<br>NO. | 零件名称<br>Part name  | 碳钢 Carbon Steel                                     | 不锈钢 Stainless steel |          |          |          |
|-----------|--------------------|-----------------------------------------------------|---------------------|----------|----------|----------|
|           |                    | C                                                   | P                   | R        | PL       | RL       |
| 1         | 阀体、阀盖 Body, cover  | WCB                                                 | CF8                 | CF8M     | Cf3      | CF3M     |
| 2         | 球体 Ball            | WCB                                                 | CF8                 | CF8M     | CF3      | CF3M     |
| 3         | 内衬材料阀座             | FEP(F46)、PTFE(F4)、PFA(可溶性聚四氟乙烯)、PO(聚烯)、PE(超高分子量聚乙烯) |                     |          |          |          |
| 4         | 填料压盖 packing gland | WCB                                                 | CF8                 | CF8M     | Cf3      | CF3M     |
| 5         | 阀座填料               | PTFE(F4)聚四氟乙烯                                       |                     |          |          |          |
| 6         | 螺栓 Bolt            | 35                                                  | 1Cr17Ni12           | 1Cr17Ni2 | 1Cr18Ni2 | 1Cr19Ni2 |
| 7         | 螺母 Nut             | 45                                                  | 0Cr19Ni9            | 0Cr18Ni9 | 0Cr18Ni9 | 0Cr18Ni9 |
| 8         | 手柄 Handle          | WCB                                                 |                     |          |          |          |

衬氟法兰手动球阀  
Manual ball valve lined with fluorine flange

主要连接尺寸及重量 Main connection dimensions and weight

JB/T82.1

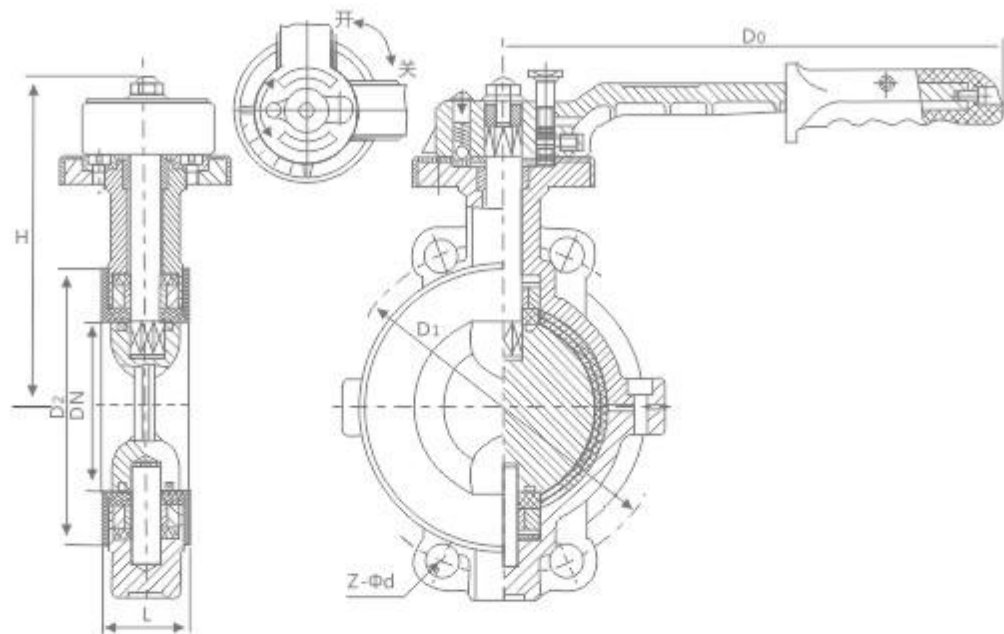
| 公称通径DN     |               | 主要尺寸Main dimensions |     |     |     |   |    |       | 参考值Reference value |     |
|------------|---------------|---------------------|-----|-----|-----|---|----|-------|--------------------|-----|
| DN<br>(mm) | NPS<br>(inch) | L                   | D   | D1  | D2  | f | B  | Z-Φd  | D0                 | H   |
|            |               | PN1.0MPa            |     |     |     |   |    |       |                    |     |
| 15         | 1/2           | 140                 | 95  | 65  | 45  | 3 | 16 | 4-14  | 140                | 90  |
| 20         | 3/4           | 140                 | 105 | 75  | 55  | 3 | 18 | 4-14  | 140                | 100 |
| 25         | 1             | 150                 | 115 | 85  | 65  | 3 | 18 | 4-14  | 180                | 105 |
| 32         | 1 1/4         | 165                 | 140 | 100 | 75  | 3 | 18 | 4-18  | 180                | 120 |
| 40         | 1 1/2         | 180                 | 150 | 110 | 85  | 3 | 18 | 4-18  | 225                | 140 |
| 50         | 2             | 200                 | 165 | 125 | 100 | 3 | 18 | 4-18  | 225                | 150 |
| 65         | 2 1/2         | 220                 | 185 | 145 | 120 | 3 | 18 | 4-18  | 360                | 160 |
| 80         | 3             | 250                 | 200 | 160 | 135 | 3 | 20 | 8-18  | 420                | 215 |
| 100        | 4             | 280                 | 220 | 180 | 155 | 3 | 20 | 8-18  | 420                | 240 |
| 125        | 5             | 320                 | 250 | 210 | 185 | 4 | 22 | 8-18  | 520                | 250 |
| 150        | 6             | 360                 | 285 | 240 | 210 | 4 | 22 | 8-22  | 520                | 290 |
| 200        | 8             | 400                 | 340 | 295 | 265 | 4 | 24 | 8-22  | 240                | 340 |
| 250        | 10            | 450                 | 395 | 350 | 320 | 5 | 26 | 12-22 | 240                | 380 |
| 300        | 12            | 610                 | 445 | 400 | 370 | 5 | 26 | 12-22 | 280                | 450 |
| PN1.6MPa   |               |                     |     |     |     |   |    |       |                    |     |
| 15         | 1/2           | 140                 | 95  | 65  | 45  | 3 | 16 | 4-14  | 140                | 90  |
| 20         | 3/4           | 140                 | 105 | 75  | 55  | 3 | 18 | 4-14  | 140                | 100 |
| 25         | 1             | 150                 | 115 | 85  | 65  | 3 | 18 | 4-14  | 180                | 105 |
| 32         | 1 1/4         | 165                 | 140 | 100 | 75  | 3 | 18 | 4-18  | 180                | 120 |
| 40         | 1 1/2         | 180                 | 150 | 110 | 85  | 3 | 18 | 4-18  | 225                | 140 |
| 50         | 2             | 200                 | 165 | 125 | 100 | 3 | 18 | 4-18  | 225                | 150 |
| 65         | 2 1/2         | 220                 | 185 | 145 | 120 | 3 | 18 | 4-18  | 360                | 160 |
| 80         | 3             | 250                 | 200 | 160 | 135 | 3 | 20 | 8-18  | 420                | 215 |
| 100        | 4             | 280                 | 220 | 180 | 155 | 3 | 20 | 8-18  | 420                | 240 |
| 125        | 5             | 320                 | 250 | 210 | 185 | 4 | 22 | 8-18  | 520                | 250 |
| 150        | 6             | 360                 | 285 | 240 | 210 | 4 | 22 | 8-22  | 520                | 290 |
| 200        | 8             | 400                 | 340 | 295 | 265 | 4 | 24 | 12-22 | 240                | 340 |
| 250        | 10            | 450                 | 405 | 355 | 320 | 5 | 26 | 12-26 | 240                | 380 |
| 300        | 12            | 610                 | 460 | 410 | 370 | 5 | 28 | 12-26 | 280                | 450 |

DN200以上D0尺寸为蜗轮手轮尺寸，DN200以下D0尺寸为手柄尺寸  
机械标准是（JB78）时为4孔  
The size of D0 above DN200 is worm wheel handwheel size, and the size of D0 below DN200 is handle size  
The mechanical standard is (JB78) for 4 holes

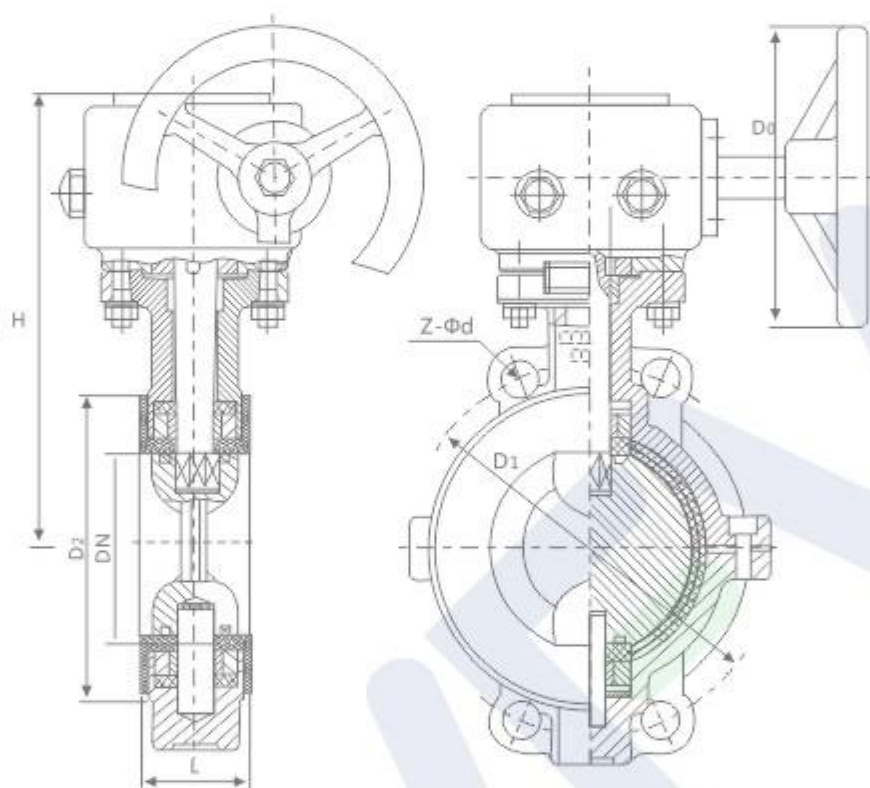
衬氟阀门系列  
FLUORINE LINED VALVE SERIES

## 衬氟对夹蝶阀(中线)

Fluorine lined pair clamp butterfly valve (middle line)

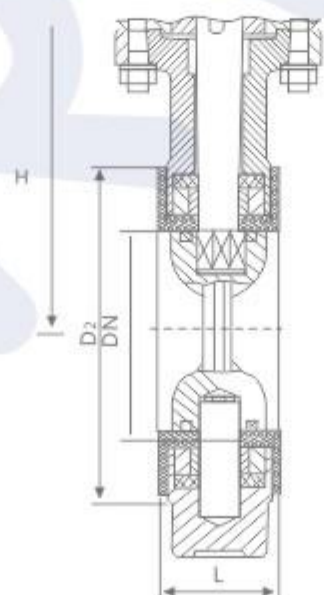


DA71<sup>F<sub>4</sub></sup><sub>F<sub>46</sub></sub><sup>F/P</sup> 型对夹式手动蝶阀 (中线)  
DA71<sup>F<sub>4</sub></sup><sub>F<sub>46</sub></sub><sup>F/P</sup> Wafer type manual butterfly valve type (middle)



DA371<sup>F<sub>4</sub></sup><sub>F<sub>46</sub></sub><sup>F/P</sup> 型对夹式蜗轮传动蝶阀 (中线)

DA371<sup>F<sub>4</sub></sup><sub>F<sub>46</sub></sub><sup>F/P</sup> Wafer type butterfly valve worm gear transmission (middle)



DA371F<sub>46</sub>型对夹式蜗轮传动蝶阀 (中线)  
DA371F<sub>46</sub> Worm drive type wafer type butterfly valve (middle)

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| 遵循规范<br>Follow the standard     | STANDARD                                         |
| 设计与制造<br>Design and manufacture | GB 12238(中线Midline)                              |
| 结构长度<br>Structure Length        | GB 12221(短系列Short Series)                        |
| 法兰尺寸<br>Flange size             | JB79/JB82<br>(或按合同要求Or by contract requirements) |
| 压力试验<br>Pressure test           | GB/T 13927                                       |
| 标志<br>Mark                      | GB 12220                                         |
| 供货<br>Availability              | GB/T 12252                                       |

## 对夹连接蝶阀 (中线) Wafer butterfly valves (middle)

※设计与制造符合中国国家标准

※基本结构形式 (蝶板轴与阀体/阀座中心重合)

a. DA71F<sub>46</sub>全衬里型

阀体全衬里/蝶板全衬层/蝶板与蝶板轴合为一体

b. DA71F<sub>4</sub>全衬里型

阀体全衬里/蝶板全衬层/蝶板与蝶板轴组合装配

c. DA71F/P半衬里型

阀体全衬里/蝶板为不锈钢 (不衬) /蝶板与蝶板轴组合装配

Design and manufacture comply with national standards of China

Basic structure of the form (the disc axis and the valve / seat centers coincide)

a. DA71F<sub>46</sub> full lining type

The whole body lining / disc full lining / disc and disc axis into one

b. DA71F<sub>4</sub> full lining type

The whole body lining / disc full lining / disc and disc shaft and assembled

c. DA71F / P-type semi-lining

The whole body lining / disc of stainless steel (not lined) / disc and disc shaft and assembled

## 基本型号 Basic model

公称压力PN0.6~1.6MPa 公称口径DN40~1200mm

Nominal pressure PN0.6~1.6MPa Nominal diameter DN40~1200mm

|                 |                           |                    |                           |
|-----------------|---------------------------|--------------------|---------------------------|
| 手动<br>Hand      | DA71F/P(半衬Half lining)    | 蜗轮传动<br>Worm drive | DA371F/P(半衬Half lining)   |
|                 | DA71F3 (全衬里Full lining)   |                    | DA371F3 (全衬里Full lining)  |
|                 | DA71F4 (全衬里Full lining)   |                    | DA371F4 (全衬里Full lining)  |
|                 | DA71F46 (全衬里Full lining)  |                    | DA371F46 (全衬里Full lining) |
| 气动<br>Pneumatic | DA671F/P(半衬Half lining)   | 电动<br>Electrically | DA971F/P(半衬Half lining)   |
|                 | DA671F3 (全衬里Full lining)  |                    | DA971F3 (全衬里Full lining)  |
|                 | DA671F4 (全衬里Full lining)  |                    | DA971F4 (全衬里Full lining)  |
|                 | DA671F46 (全衬里Full lining) |                    | DA971F46 (全衬里Full lining) |

## 衬氟对夹蝶阀(中线)

Fluorine lined pair clamp butterfly valve (middle line)

主要零部件材料表 Main spare part bill of materials

| 序号<br>NO. | 零件名称<br>Part Name                 | 灰铸铁<br>Grey cast iron                                      | 碳钢<br>Carbon steel | 不锈钢Stainless steel |                | 超低碳不锈钢Low carbon stainless steel |               |
|-----------|-----------------------------------|------------------------------------------------------------|--------------------|--------------------|----------------|----------------------------------|---------------|
|           |                                   | Z                                                          | C                  | P                  | R              | PL                               | RL            |
| 1         | 上、下阀体<br>Upper and lower body     | HT250                                                      | WCB                | CF8                | CF8M           | CF3                              | CF3M          |
| 2         | 蝶板Disc                            | WCB                                                        | 35 ( 锻 )           | CF8                | CF8M           | CF3                              | CF3M          |
| 3         | 蝶板轴<br>Butterfly Plates           | 1Cr13                                                      | 2Cr13              | 0Cr18Ni9           | 0Cr18Ni12Mo2   | 00Cr18Ni10                       | 00Cr18Ni14Mo2 |
| 4         | 衬里层/阀座<br>Lining layer / seat     | PTFE(F4) PCTFE(F3) FEP(F46) PFA(可溶F4) PO ( 聚烯烃Polyolefin ) |                    |                    |                |                                  |               |
| 5         | O型圈O-ring                         | FPM(氟橡胶Viton)                                              |                    |                    |                |                                  |               |
| 6         | 弹簧条 ( 垫 )<br>Spring section (pad) | Si(硅橡胶Silicone rubber)                                     |                    |                    |                |                                  |               |
| 7         | 调节定位座<br>Adjustment in Block      | 0Cr18Ni9                                                   | 0Cr18Ni9           | 1Cr18Ni9Ti         | 1Cr18Ni12Mo2Ti | 00Cr18Ni10                       | 00Cr18Ni14Mo2 |
| 8         | 螺栓Bolt                            | 35                                                         | 35                 | 1Cr17Ni2           | 1Cr17Ni2       | 0Cr18Ni9                         | 0Cr18Ni12Mo2  |
| 9         | 螺母Nut                             | 25                                                         | 25                 | 0Cr18Ni9           | 0Cr18Ni9       | 0Cr18Ni9                         | 0Cr18Ni12Mo2  |
| 10        | 手柄Handle                          | ZL 101(铸造铝合金Cast Aluminum)                                 |                    |                    |                |                                  |               |

主要连接尺寸及重量 Main connection dimension and weight

JB/T82.1

| 公称通径DN     |               | 标准值Standard value |      |      |      |   |    |        | 参考值Reference value |      |              |
|------------|---------------|-------------------|------|------|------|---|----|--------|--------------------|------|--------------|
| DN<br>(mm) | NPS<br>(inch) | L                 | D    | D1   | D2   | f | B  | Z-Φd   | D0                 | H    | 重量Weight(kg) |
| PN0.6MPa   |               |                   |      |      |      |   |    |        |                    |      |              |
| 40         | 1 1/2         | 33                | 130  | 100  | 80   | 3 | 12 | 4-Φ14  | 160                | 140  | /            |
| 50         | 2             | 43                | 140  | 110  | 90   | 3 | 12 | 4-Φ14  | 200                | 145  | /            |
| 65         | 2 1/2         | 46                | 160  | 130  | 110  | 3 | 14 | 4-Φ14  | 250                | 155  | /            |
| 80         | 3             | 46                | 185  | 150  | 125  | 3 | 14 | 4-Φ18  | 250                | 165  | /            |
| 100        | 4             | 52                | 205  | 170  | 145  | 3 | 14 | 4-Φ18  | 250                | 180  | /            |
| 125        | 5             | 56                | 235  | 200  | 175  | 3 | 14 | 8-Φ18  | 300                | 203  | /            |
| 150        | 6             | 56                | 260  | 225  | 200  | 3 | 16 | 8-Φ18  | 300                | 225  | /            |
| 200        | 8             | 60                | 315  | 280  | 255  | 3 | 18 | 8-Φ18  | 200*               | 275  | /            |
| 250        | 10            | 68                | 370  | 335  | 310  | 3 | 22 | 12-Φ18 | 200*               | 315  | /            |
| 300        | 12            | 78                | 435  | 395  | 362  | 4 | 22 | 12-Φ23 | 240*               | 348  | /            |
| 350        | 14            | 78                | 485  | 445  | 412  | 4 | 22 | 12-Φ23 | 240*               | 415  | /            |
| 400        | 16            | 102               | 535  | 495  | 462  | 4 | 22 | 16-Φ23 | 280*               | 460  | /            |
| 450        | 18            | 114               | 590  | 550  | 518  | 4 | 24 | 16-Φ23 | 280*               | 500  | /            |
| 500        | 20            | 127               | 640  | 600  | 568  | 4 | 24 | 16-Φ23 | 320*               | 530  | /            |
| 600        | 24            | 154               | 755  | 705  | 670  | 5 | 24 | 20-Φ25 | 320*               | 610  | /            |
| 700        | 28            | 165               | 860  | 810  | 775  | 5 | 26 | 24-Φ25 | 360*               | 675  | /            |
| 800        | 32            | 190               | 975  | 920  | 880  | 5 | 26 | 24-Φ30 | 360*               | 805  | /            |
| 900        | 36            | 203               | 1075 | 1020 | 980  | 5 | 28 | 24-Φ30 | 380*               | 995  | /            |
| 1000       | 40            | 216               | 1175 | 1120 | 1080 | 5 | 30 | 28-Φ30 | 400*               | 1170 | /            |
| 1200       | 48            | 254               | 1375 | 1320 | 1280 | 5 | 30 | 32-Φ30 | 400*               | 1295 | /            |

\*法兰尺寸D、D1、D2、Z-Φd、f、b数值是与蝶阀连接的标准法兰尺寸，简图中尺寸代号仅是其中一部分。  
Flange size D, D1, D2, Z-Φd, f, b values are connected with a standard butterfly valve flange size, sketch in the size of code is only part of it.

## 衬氟对夹蝶阀(中线)

Fluorine lined pair clamp butterfly valve (middle line)

主要连接尺寸及重量 Main connection dimensions and weight

JB/T82.1

| 公称通径DN     |               | 标准值Standard value |      |      |      |   |    |        | 参考值Reference value |      |        |
|------------|---------------|-------------------|------|------|------|---|----|--------|--------------------|------|--------|
| DN<br>(mm) | NPS<br>(inch) | L                 | D    | D1   | D2   | f | B  | Z-Φd   | D0                 | H    | 重量(kg) |
| PN1.0MPa   |               |                   |      |      |      |   |    |        |                    |      |        |
| 40         | 1 1/2         | 33                | 145  | 110  | 85   | 3 | 18 | 4-Φ18  | 160                | 140  | /      |
| 50         | 2             | 43                | 160  | 125  | 100  | 3 | 18 | 4-Φ18  | 200                | 145  | /      |
| 65         | 2 1/2         | 46                | 180  | 145  | 120  | 3 | 20 | 4-Φ18  | 250                | 155  | /      |
| 80         | 3             | 46                | 195  | 160  | 135  | 3 | 20 | 8-Φ18  | 250                | 165  | /      |
| 100        | 4             | 52                | 215  | 180  | 155  | 3 | 22 | 8-Φ18  | 250                | 180  | /      |
| 125        | 5             | 56                | 245  | 210  | 185  | 3 | 24 | 8-Φ18  | 300                | 203  | /      |
| 150        | 6             | 56                | 280  | 240  | 210  | 3 | 24 | 8-Φ23  | 300                | 225  | /      |
| 200        | 8             | 60                | 335  | 295  | 265  | 3 | 24 | 8-Φ23  | 200*               | 275  | /      |
| 250        | 10            | 68                | 390  | 350  | 320  | 3 | 26 | 12-Φ23 | 200*               | 315  | /      |
| 300        | 12            | 78                | 440  | 400  | 368  | 4 | 28 | 12-Φ23 | 240*               | 348  | /      |
| 350        | 14            | 78                | 500  | 460  | 428  | 4 | 28 | 16-Φ23 | 240*               | 415  | /      |
| 400        | 16            | 102               | 565  | 515  | 482  | 4 | 30 | 16-Φ25 | 280*               | 460  | /      |
| 450        | 18            | 114               | 615  | 565  | 532  | 4 | 30 | 20-Φ25 | 280*               | 500  | /      |
| 500        | 20            | 127               | 670  | 620  | 585  | 4 | 32 | 20-Φ25 | 320*               | 530  | /      |
| 600        | 24            | 154               | 780  | 725  | 685  | 5 | 36 | 20-Φ30 | 320*               | 610  | /      |
| 700        | 28            | 165               | 895  | 840  | 800  | 5 | 40 | 24-Φ30 | 360*               | 675  | /      |
| 800        | 32            | 190               | 1010 | 950  | 905  | 5 | 44 | 24-Φ34 | 360*               | 805  | /      |
| 900        | 36            | 203               | 1110 | 1050 | 1005 | 5 | 46 | 28-Φ34 | 380*               | 995  | /      |
| 1000       | 40            | 216               | 1220 | 1160 | 1115 | 5 | 50 | 28-Φ34 | 400*               | 1170 | /      |
| 1200       | 48            | 254               | 1450 | 1380 | 1325 | 5 | 56 | 32-Φ41 | 400*               | 1295 | /      |
| PN1.6MPa   |               |                   |      |      |      |   |    |        |                    |      |        |
| 40         | 1 1/2         | 33                | 145  | 110  | 85   | 3 | 20 | 4-Φ18  | 200                | 145  | /      |
| 50         | 2             | 43                | 160  | 125  | 100  | 3 | 22 | 4-Φ18  | 250                | 150  | /      |
| 65         | 2 1/2         | 46                | 180  | 145  | 120  | 3 | 24 | 4-Φ18  | 250                | 160  | /      |
| 80         | 3             | 46                | 195  | 160  | 135  | 3 | 24 | 8-Φ18  | 250                | 170  | /      |
| 100        | 4             | 52                | 215  | 180  | 155  | 3 | 26 | 8-Φ18  | 300                | 185  | /      |
| 125        | 5             | 56                | 245  | 210  | 185  | 3 | 28 | 8-Φ18  | 300                | 210  | /      |
| 150        | 6             | 56                | 280  | 240  | 210  | 3 | 28 | 8-Φ23  | 200*               | 230  | /      |
| 200        | 8             | 60                | 335  | 295  | 265  | 3 | 30 | 12-Φ23 | 200*               | 285  | /      |
| 250        | 10            | 68                | 405  | 355  | 320  | 3 | 32 | 12-Φ25 | 240*               | 325  | /      |
| 300        | 12            | 78                | 460  | 410  | 375  | 4 | 32 | 12-Φ25 | 240*               | 360  | /      |
| 350        | 14            | 78                | 520  | 470  | 435  | 4 | 34 | 16-Φ25 | 280*               | 430  | /      |
| 400        | 16            | 102               | 580  | 525  | 485  | 4 | 38 | 16-Φ30 | 280*               | 475  | /      |
| 450        | 18            | 114               | 640  | 585  | 545  | 4 | 42 | 20-Φ30 | 320*               | 525  | /      |
| 500        | 20            | 127               | 705  | 650  | 608  | 4 | 48 | 20-Φ34 | 320*               | 565  | /      |
| 600        | 24            | 154               | 840  | 770  | 718  | 5 | 50 | 20-Φ41 | 360*               | 620  | /      |
| 700        | 28            | 165               | 910  | 840  | 788  | 5 | 54 | 24-Φ41 | 360*               | 686  | /      |
| 800        | 32            | 190               | 1020 | 950  | 898  | 5 | 54 | 24-Φ41 | 380*               | 815  | /      |
| 900        | 36            | 203               | 1120 | 1050 | 998  | 5 | 54 | 28-Φ41 | 400*               | 1010 | /      |
| 1000       | 40            | 216               | 1255 | 1170 | 1110 | 5 | 60 | 28-Φ48 | 400*               | 1185 | /      |

\*法兰尺寸D、D1、D2、Z-Φd、f、b数值是与蝶阀连接的标准法兰尺寸，简图中尺寸代号仅是其中一部分。

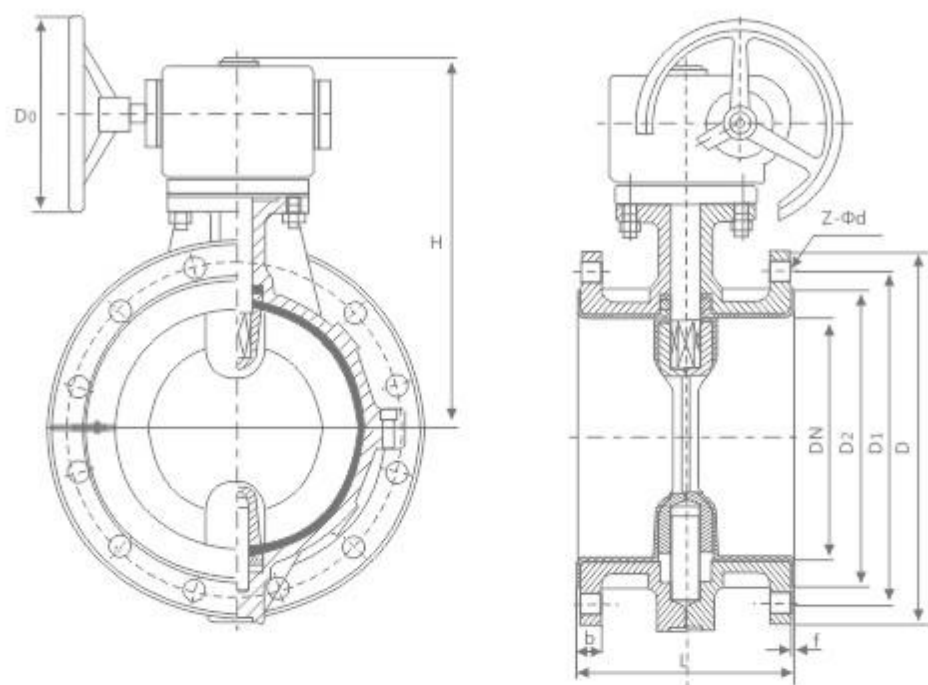
\*法兰尺寸PN1.0MPa、DN80螺孔数量JB78时Z=4,其它标准时Z=8。

\* Flange Size D, D1, D2, Z-Φd, f, b values are connected with the standard flange butterfly valve size, sketch in the size of code is only part of it.

\* Flange Size PN1.0MPa, DN80 screw when the number of JB78 Z = 4, other standards, Z = 8.

## 衬氟法兰蝶阀(中线)

Fluorine lined flange butterfly valve (middle line)



DA341 F/P 型法兰连接蜗轮传动蝶阀 (中线)

DA341 F/P Worm drive flanged butterfly valve (middle)

### 法兰连接蝶阀 (中线) Flanged butterfly valve (middle)

※设计与制造符合中国国家标准

※基本结构形式 (蝶板轴与阀体/阀座中心重合)

a. DA71F46全衬里型

阀体全衬里/蝶板全衬里/蝶板与蝶板轴合为一体

b. DA71F4全衬里型

阀体全衬里/蝶板全衬里/蝶板与蝶板轴组合装配

c. DA71F/P半衬里型

阀体全衬里/蝶板为不锈钢 (不衬) /蝶板与蝶板轴组合装配

※Design and manufacture comply with national standards of China

※basic structure of the form (the disc axis and the valve / seat centers coincide)

a. DA71F46 full lining type

Full body lining / disc full lining / disc with the disc axis into one

b. DA71F4 full lining type

The whole body lining / disc full lining / disc and disc shaft and assembled

c. DA71F / P-type semi-lining

The whole body lining / disc of stainless steel (not lined) / disc and disc shaft and assembled

### 主要零部件材料表 Material form the main components

| 序号<br>NO. | 零件名称<br>Part Name               | 灰铸铁<br>Grey cast iron                                      | 碳钢<br>Carbon steel | 不锈钢Stainless steel |                          | 超低碳不锈钢Low carbon stainless steel |               |
|-----------|---------------------------------|------------------------------------------------------------|--------------------|--------------------|--------------------------|----------------------------------|---------------|
|           |                                 | Z                                                          | C                  | P                  | R                        | PL                               | RL            |
| 1         | 上、下阀体<br>Upper and lower body   | HT250                                                      | WCB                | CF8                | CF8M                     | CF3                              | CF3M          |
| 2         | 蝶板轴<br>Butterfly Plates         | 1Cr13                                                      | 2Cr13              | 1Cr18Ni9Ti         | 1Cr18Ni12Mo2Ti           | 00Cr18Ni10                       | 00Cr18Ni14Mo2 |
| 3         | 衬里层/阀座<br>Lining layer / seat   | PTFE(F4) PCTFE(F3) FEP(F46) PFA(可溶F4) Po ( 聚烯烃Polyolefin ) |                    |                    |                          |                                  |               |
| 4         | 蝶板/填料压盖<br>Disc / packing gland | WCB                                                        | WCB                | CF8                | CF8M                     | CF3                              | CF3M          |
| 5         | 支架Support                       | WCB ( 碳钢Carbon steel )                                     |                    |                    | CF8(不锈钢Stainless steel ) |                                  |               |
| 6         | 填料Filler                        | PTFE(F4)                                                   |                    |                    |                          |                                  |               |
| 7         | 螺栓Bolt                          | 35                                                         | 35                 | 1Cr17Ni2           | 1Cr17Ni2                 | 0Cr18Ni9                         | 0Cr18Ni12Mo2  |
| 8         | 螺母Nut                           | 25                                                         | 25                 | 0Cr18Ni9           | 0Cr18Ni9                 | 0Cr18Ni9                         | 0Cr18Ni12Mo2  |

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| 遵循规范<br>Follow the standard     | STANDARD                                         |
| 设计与制造<br>Design and manufacture | GB 12238(中线Midline)                              |
| 结构长度<br>Structure Length        | GB 12221(短系列Short Series)                        |
| 法兰尺寸Flange size                 | JB79/JB82<br>(或按合同要求Or by contract requirements) |
| 压力试验Pressure test               | GB/T 13927                                       |
| 标志 Mark                         | GB 12220                                         |
| 供货 Availability                 | GB/T 12252                                       |

### 基本型号 Basic model

公称压力PN0.6 ~ 1.6MPa 公称通径DN40 ~ 1200mm

Nominal pressure PN0.6 ~ 1.6MPa Nominal diameter DN40 ~ 1200mm

|                 |                          |                    |                          |
|-----------------|--------------------------|--------------------|--------------------------|
| 手动<br>Hand      | DA71F/P(半衬Half lining)   | 蜗轮传动<br>Worm drive | DA371F/P(半衬Half lining)  |
|                 | DA71F3(全衬里Full lining)   |                    | DA371F3(全衬里Full lining)  |
|                 | DA71F46(全衬里Full lining)  |                    | DA371F46(全衬里Full lining) |
| 气动<br>Pneumatic | DA671F/P(半衬Half lining)  | 电动<br>Electrically | DA971F/P(半衬Half lining)  |
|                 | DA671F3(全衬里Full lining)  |                    | DA971F3(全衬里Full lining)  |
|                 | DA671F46(全衬里Full lining) |                    | DA971F46(全衬里Full lining) |

## 衬氟法兰蝶阀(中线)

Fluorine lined flange butterfly valve (middle line)

主要连接尺寸及重量 Main connection dimensions and weight

JB/T82.1

| 公称通径DN     |               | 标准值Standard value |      |      |      |   |    |        | 参考值Reference value |      |              |
|------------|---------------|-------------------|------|------|------|---|----|--------|--------------------|------|--------------|
| DN<br>(mm) | NPS<br>(inch) | L                 | D    | D1   | D2   | f | b  | Z-Φd   | D0                 | H    | 重量Weight(kg) |
| PN0.6MPa   |               |                   |      |      |      |   |    |        |                    |      |              |
| 40         | 1 1/2         | 106               | 130  | 100  | 80   | 3 | 12 | 4-Φ14  | 160                | 140  | /            |
| 50         | 2             | 108               | 140  | 110  | 90   | 3 | 12 | 4-Φ14  | 200                | 160  | /            |
| 65         | 2 1/2         | 112               | 160  | 130  | 110  | 3 | 14 | 4-Φ14  | 250                | 160  | /            |
| 80         | 3             | 114               | 185  | 150  | 125  | 3 | 14 | 4-Φ18  | 250                | 170  | /            |
| 100        | 4             | 127               | 205  | 170  | 145  | 3 | 14 | 4-Φ18  | 250                | 180  | /            |
| 125        | 5             | 140               | 235  | 200  | 175  | 3 | 14 | 8-Φ18  | 300                | 275  | /            |
| 150        | 6             | 140               | 260  | 225  | 200  | 3 | 16 | 8-Φ18  | 300                | 295  | /            |
| 200        | 8             | 152               | 315  | 280  | 255  | 3 | 18 | 8-Φ18  | 200*               | 320  | /            |
| 250        | 10            | 250               | 370  | 335  | 310  | 3 | 22 | 12-Φ18 | 200*               | 385  | /            |
| 300        | 12            | 270               | 435  | 395  | 362  | 4 | 22 | 12-Φ23 | 240*               | 390  | /            |
| 350        | 14            | 290               | 485  | 445  | 412  | 4 | 22 | 12-Φ23 | 240*               | 460  | /            |
| 400        | 16            | 310               | 535  | 495  | 462  | 4 | 22 | 16-Φ23 | 280*               | 510  | /            |
| 450        | 18            | 330               | 590  | 550  | 518  | 4 | 24 | 16-Φ23 | 280*               | 540  | /            |
| 500        | 20            | 350               | 640  | 600  | 568  | 4 | 24 | 16-Φ23 | 320*               | 570  | /            |
| 600        | 24            | 390               | 755  | 705  | 670  | 5 | 24 | 20-Φ25 | 320*               | 660  | /            |
| 700        | 28            | 430               | 860  | 810  | 775  | 5 | 26 | 24-Φ25 | 360*               | 710  | /            |
| 800        | 32            | 470               | 975  | 920  | 880  | 5 | 26 | 24-Φ30 | 360*               | 780  | /            |
| 900        | 36            | 510               | 1075 | 1020 | 980  | 5 | 28 | 24-Φ30 | 380*               | 885  | /            |
| 1000       | 40            | 550               | 1175 | 1120 | 1080 | 5 | 30 | 28-Φ30 | 400*               | 990  | /            |
| 1200       | 48            | 630               | 1375 | 1320 | 1280 | 5 | 30 | 32-Φ30 | 400*               | 1170 | /            |
| PN1.0MPa   |               |                   |      |      |      |   |    |        |                    |      |              |
| 40         | 1 1/2         | 106               | 145  | 110  | 85   | 3 | 18 | 4-Φ18  | 160                | 140  | /            |
| 50         | 2             | 108               | 160  | 125  | 100  | 3 | 18 | 4-Φ18  | 200                | 160  | /            |
| 65         | 2 1/2         | 112               | 180  | 145  | 120  | 3 | 20 | 4-Φ18  | 250                | 165  | /            |
| 80         | 3             | 114               | 195  | 160  | 135  | 3 | 20 | 8-Φ18  | 250                | 170  | /            |
| 100        | 4             | 127               | 215  | 180  | 155  | 3 | 22 | 8-Φ18  | 250                | 180  | /            |
| 125        | 5             | 140               | 245  | 210  | 185  | 3 | 24 | 8-Φ18  | 300                | 275  | /            |
| 150        | 6             | 140               | 280  | 240  | 210  | 3 | 24 | 8-Φ23  | 300                | 295  | /            |
| 200        | 8             | 152               | 335  | 295  | 265  | 3 | 24 | 8-Φ23  | 200*               | 320  | /            |
| 250        | 10            | 250               | 390  | 350  | 320  | 3 | 26 | 12-Φ23 | 200*               | 385  | /            |
| 300        | 12            | 270               | 440  | 400  | 368  | 4 | 28 | 12-Φ23 | 240*               | 390  | /            |
| 350        | 14            | 290               | 500  | 460  | 428  | 4 | 28 | 16-Φ23 | 240*               | 460  | /            |
| 400        | 16            | 310               | 565  | 515  | 482  | 4 | 30 | 16-Φ25 | 280*               | 510  | /            |
| 450        | 18            | 330               | 615  | 565  | 532  | 4 | 30 | 20-Φ25 | 280*               | 540  | /            |
| 500        | 20            | 350               | 670  | 620  | 585  | 4 | 32 | 20-Φ25 | 320*               | 570  | /            |
| 600        | 24            | 390               | 780  | 725  | 685  | 5 | 36 | 20-Φ30 | 320*               | 660  | /            |
| 700        | 28            | 430               | 895  | 840  | 800  | 5 | 40 | 24-Φ30 | 360*               | 710  | /            |
| 800        | 32            | 470               | 1010 | 950  | 905  | 5 | 44 | 24-Φ34 | 360*               | 780  | /            |
| 900        | 36            | 510               | 1110 | 1050 | 1005 | 5 | 46 | 28-Φ34 | 380*               | 885  | /            |
| 1000       | 40            | 550               | 1220 | 1160 | 1115 | 5 | 50 | 28-Φ34 | 400*               | 990  | /            |
| 1200       | 48            | 630               | 1450 | 1380 | 1325 | 5 | 56 | 32-Φ41 | 400*               | 1200 | /            |

法兰尺寸PN1.0MPa, DN80螺孔数量JB78时Z=4,其它标准时Z=8。

Flange size PN1.0MPa, DN80 screw when the number of JB78 Z = 4, other standards, Z = 8.

## 衬氟法兰蝶阀(中线)

Fluorine lined flange butterfly valve (middle line)

主要连接尺寸及重量 Main connection dimensions and weight

JB/T79.1

| 公称通径DN     |               | 标准值Standard value |      |      |      |   |    |        | 参考值Reference value |     |              |
|------------|---------------|-------------------|------|------|------|---|----|--------|--------------------|-----|--------------|
| DN<br>(mm) | NPS<br>(inch) | L                 | D    | D1   | D2   | f | b  | Z-Φd   | D0                 | H   | 重量Weight(kg) |
| PN1.6MPa   |               |                   |      |      |      |   |    |        |                    |     |              |
| 40         | 1 1/2         | 106               | 145  | 110  | 85   | 3 | 16 | 4-Φ18  | 160                | 140 | /            |
| 50         | 2             | 108               | 160  | 125  | 100  | 3 | 16 | 4-Φ18  | 200                | 160 | /            |
| 65         | 2 1/2         | 112               | 180  | 145  | 120  | 3 | 18 | 4-Φ18  | 250                | 160 | /            |
| 80         | 3             | 114               | 195  | 160  | 135  | 3 | 20 | 8-Φ18  | 260                | 170 | /            |
| 100        | 4             | 127               | 215  | 180  | 155  | 3 | 20 | 8-Φ18  | 300                | 180 | /            |
| 125        | 5             | 140               | 245  | 210  | 185  | 3 | 22 | 8-Φ18  | 300                | 275 | /            |
| 150        | 6             | 140               | 280  | 240  | 210  | 3 | 24 | 8-Φ23  | 200*               | 295 | /            |
| 200        | 8             | 152               | 335  | 295  | 265  | 3 | 26 | 12-Φ23 | 200*               | 320 | /            |
| 250        | 10            | 250               | 405  | 355  | 320  | 3 | 30 | 12-Φ25 | 240*               | 385 | /            |
| 300        | 12            | 270               | 460  | 410  | 375  | 4 | 30 | 12-Φ25 | 240*               | 390 | /            |
| 350        | 14            | 290               | 520  | 470  | 435  | 4 | 34 | 16-Φ25 | 240*               | 460 | /            |
| 400        | 16            | 310               | 580  | 525  | 485  | 4 | 36 | 16-Φ30 | 280*               | 510 | /            |
| 450        | 18            | 330               | 640  | 585  | 545  | 4 | 40 | 20-Φ30 | 280*               | 540 | /            |
| 500        | 20            | 350               | 705  | 650  | 608  | 4 | 44 | 20-Φ34 | 320*               | 570 | /            |
| 600        | 24            | 390               | 840  | 770  | 718  | 5 | 48 | 20-Φ41 | 320*               | 660 | /            |
| 700        | 28            | 430               | 910  | 840  | 788  | 5 | 50 | 24-Φ41 | 360*               | 710 | /            |
| 800        | 32            | 470               | 1020 | 950  | 898  | 5 | 52 | 24-Φ41 | 380*               | 780 | /            |
| 900        | 36            | 510               | 1120 | 1050 | 998  | 5 | 54 | 28-Φ41 | 400*               | 885 | /            |
| 1000       | 40            | 550               | 1255 | 1170 | 1110 | 5 | 56 | 28-Φ48 | 500*               | 990 | /            |

JB/T79.1

| 公称通径DN     |               | 标准值Standard value |     |     |     |   |    |        | 参考值Reference value |     |              |
|------------|---------------|-------------------|-----|-----|-----|---|----|--------|--------------------|-----|--------------|
| DN<br>(mm) | NPS<br>(inch) | L                 | D   | D1  | D2  | f | B  | Z-Φd   | D0                 | H   | 重量Weight(kg) |
| PN2.5MPa   |               |                   |     |     |     |   |    |        |                    |     |              |
| 40         | 1 1/2         | 106               | 145 | 110 | 85  | 3 | 18 | 4-Φ18  | 200                | 140 | /            |
| 50         | 2             | 108               | 160 | 125 | 100 | 3 | 20 | 4-Φ18  | 200                | 160 | /            |
| 65         | 2 1/2         | 112               | 180 | 145 | 120 | 3 | 22 | 8-Φ18  | 250                | 160 | /            |
| 80         | 3             | 114               | 195 | 160 | 135 | 3 | 22 | 8-Φ18  | 250                | 170 | /            |
| 100        | 4             | 127               | 230 | 190 | 160 | 3 | 24 | 8-Φ23  | 300                | 180 | /            |
| 125        | 5             | 140               | 270 | 220 | 188 | 3 | 28 | 8-Φ25  | 300                | 275 | /            |
| 150        | 6             | 140               | 300 | 250 | 218 | 3 | 30 | 8-Φ25  | 240*               | 295 | /            |
| 200        | 8             | 152               | 360 | 310 | 278 | 3 | 34 | 12-Φ25 | 240*               | 320 | /            |
| 250        | 10            | 250               | 425 | 370 | 332 | 3 | 36 | 12-Φ30 | 280*               | 385 | /            |
| 300        | 12            | 270               | 485 | 430 | 390 | 4 | 40 | 16-Φ30 | 280*               | 390 | /            |
| 350        | 14            | 290               | 550 | 490 | 448 | 4 | 44 | 16-Φ34 | 320*               | 460 | /            |
| 400        | 16            | 310               | 610 | 550 | 505 | 4 | 48 | 16-Φ34 | 320*               | 510 | /            |
| 450        | 18            | 330               | 660 | 600 | 555 | 4 | 50 | 20-Φ34 | 360*               | 540 | /            |
| 500        | 20            | 350               | 730 | 660 | 610 | 4 | 52 | 20-Φ41 | 360*               | 570 | /            |
| 600        | 24            | 390               | 840 | 770 | 718 | 5 | 56 | 20-Φ41 | 380*               | 660 | /            |