

高中压法兰闸阀

High pressure flange gate valve

结构优势与特点Structural advantages and characteristics

- 1、符合国内外先进标准的要求，密封可靠，性能优良，造型美观。

2、闸板、阀座密封面用铁基合金堆焊或司太立（stellite）钴基硬质合金堆焊而成，耐磨、耐高温、耐腐蚀、抗擦伤性能好、使用寿命长。

3、采用楔式弹性闸板结构，中大口径设置滚动轴承，开关灵活，启闭轻松。

5、阀杆经调质及表面氮化处理，有良好的抗腐蚀性，抗擦伤性和耐磨性。

5、可采用各种配管法兰标准及法兰密封面型式，满足各种工程需要及用户要求。

6、阀体材料品种齐全，填料、垫片可根据实际工况或用户要求合理选配，能适用于各种压力、温度及介质工况。
- 1、Meets the domestic and foreign advanced standard requirement, the seal is reliable, the performance is fine, handsome appearance.

2、The damper plate, the valve seat packing surface is too vertical (stellite) with the iron-base alloy built-up welding or the department the cobalt base hard alloy built-up welding to become, wear-resisting, thermostable, anti-corrosive, the anti-abrasion performance is good, the service life is long.

3、Using wedge-type flexible gate structure, medium and large caliber set bearings, switches flexible, open and close easily.

4、Stem quenched and the nitrogen treatment, with good corrosion resistance, scratch resistance and wear resistance.

5、Can be used with a variety of standard pipe flanges and flange sealing surface types to meet various project needs and user requirements.

6、Valve body materials, variety, packing, gasket can be based on actual working conditions or the user requests a reasonable option,can be applied to all kinds of pressure, temperature and medium conditions.

标准与规范 Standards and norms

| 设计与制造<br>Design and Manufacture | 结构长度<br>Structure Length | 压力-温度等级<br>Pressure-temperature rating | 连接法兰<br>Connection flange                       | 试验与检验<br>Test and Inspection    |
|---------------------------------|--------------------------|----------------------------------------|-------------------------------------------------|---------------------------------|
| GB 12234                        | GB 12221                 | GB/T 12224                             | JB/T 79.1-2-94 GB 9113-2009<br>HG 20592 ~ 20635 | JB/T 9092-1999<br>GB 13927-2005 |

性能参数 Performance parameter

| 序号 | 项目名称                                                  | 项目名称                                                                       |      |      |      |       |       |
|----|-------------------------------------------------------|----------------------------------------------------------------------------|------|------|------|-------|-------|
|    |                                                       | PN16                                                                       | PN25 | PN40 | PN64 | PN100 | PN160 |
| 1  | 公称压力PN(MPa)                                           | 1.6                                                                        | 2.5  | 4.0  | 6.4  | 10    | 16    |
| 2  | 壳体强度试验压力<br>Shell strength test pressure(MPa)         | 常温下公称压力的1.5倍<br>1.5 Times the nominal pressure at room temperature         |      |      |      |       |       |
| 3  | 高压密封试验压力<br>High-pressure sealing Test pressure(MPa)  | 常温下公称压力的1.1倍<br>1.1Times the nominal pressure at room temperature          |      |      |      |       |       |
| 4  | 常温下工作压力Operating pressure<br>at room temperature(MPa) | 按GB/T 12224 压力温度额定值<br>According to GB/T 12224 pressure temperature rating |      |      |      |       |       |

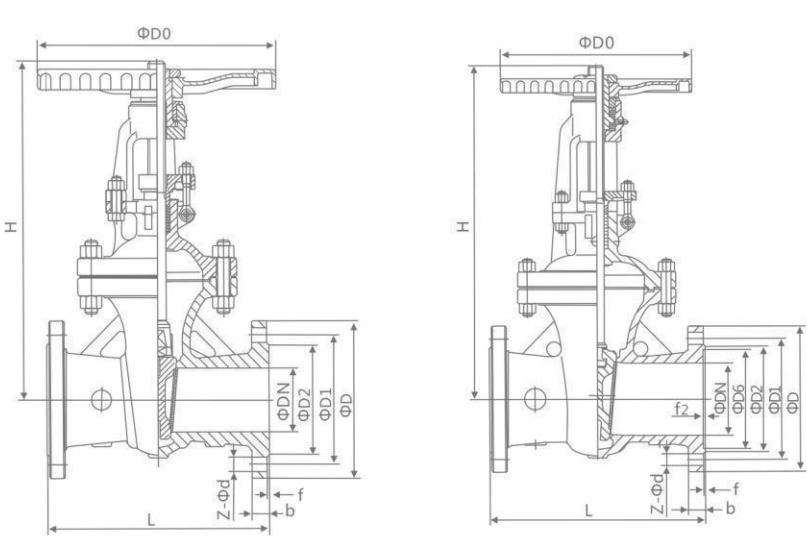
主要零件材料Main components material

| 名称 Name           | 材料 Material          |       |      |       |             |      |      |      |      |
|-------------------|----------------------|-------|------|-------|-------------|------|------|------|------|
| 阀体/阀盖 Body/Bonnet | CF8                  | CF3   | CF8M | CF3M  | WCB         | LCB  | WC6  | WC9  | C5   |
| 闸板 Wedge          | CF8                  | CF3   | CF8M | CF3M  | WCB         | LCB  | WC6  | WC9  | C5   |
| 阀杆 Stem           | F304                 | F304L | F316 | F316L | 2CR13       | F304 | F304 | F304 | F304 |
| 阀杆螺母 Stem Nut     | 铝青铜 Aluminium Bronze |       |      |       |             |      |      |      |      |
| 填料 Packing        | PTFE/柔性石墨            |       |      |       | 石墨 Graphite |      |      |      |      |
| 垫片 Gasket         | PTFE/金属缠绕垫           |       |      |       | 石墨 Graphite |      |      |      |      |
| 压盖 Gland          | CF8                  | CF3   | CF8M | CF3M  | WCB         | LCB  | WC6  | WC9  | C5   |
| 螺栓 Bolt           | 不锈钢 Stainless Steel  |       |      |       | 35CrMoA     |      |      |      |      |
| 螺母 Nut            | 不锈钢 Stainless Steel  |       |      |       | 45、35CrMoA  |      |      |      |      |
| 手轮 Handwheel      | 铸钢 Cast Steel        |       |      |       |             |      |      |      |      |

中压法兰连接手动闸阀

Medium pressure flange with manual gate valve

Z41 W 1.0  
H 1.6  
Y 2.5 C//I/P/R  
6.4



主要外形尺寸及连接尺寸Main external and connection dimension

| 公称压力<br>PN(MPa) | 公称通径<br>DN(mm) | 尺寸Size(mm) |      |      |      |      |        |      |      |
|-----------------|----------------|------------|------|------|------|------|--------|------|------|
|                 |                | L          | D    | D1   | D2   | b-f  | Z-Φd   | H    | D0   |
| 1.0             | 15             | 130        | 95   | 65   | 45   | 12-2 | 4-Φ14  | 160  | 100  |
|                 | 20             | 150        | 105  | 75   | 55   | 14-2 | 4-Φ14  | 165  | 100  |
|                 | 25             | 160        | 115  | 85   | 65   | 14-2 | 4-Φ14  | 200  | 125  |
|                 | 32             | 180        | 135  | 100  | 78   | 16-2 | 4-Φ18  | 240  | 125  |
|                 | 40             | 165        | 145  | 110  | 85   | 16-3 | 4-Φ18  | 245  | 135  |
|                 | 50             | 180        | 160  | 125  | 100  | 16-3 | 4-Φ18  | 286  | 180  |
|                 | 65             | 195        | 180  | 145  | 120  | 18-3 | 4-Φ18  | 320  | 180  |
|                 | 80             | 210        | 195  | 160  | 135  | 18-3 | 4-Φ18  | 373  | 200  |
|                 | 100            | 230        | 215  | 180  | 155  | 20-3 | 8-Φ18  | 428  | 200  |
|                 | 125            | 255        | 245  | 210  | 185  | 22-3 | 8-Φ18  | 513  | 240  |
|                 | 150            | 280        | 280  | 240  | 210  | 22-3 | 8-Φ23  | 582  | 240  |
|                 | 200            | 330        | 335  | 295  | 265  | 22-3 | 8-Φ23  | 730  | 320  |
|                 | 250            | 380        | 390  | 350  | 320  | 24-3 | 12-Φ23 | 897  | 320  |
|                 | 300            | 420        | 440  | 400  | 368  | 26-4 | 12-Φ23 | 1032 | 400  |
|                 | 350            | 450        | 500  | 460  | 428  | 26-4 | 16-Φ23 | 1170 | 400  |
|                 | 400            | 480        | 565  | 515  | 482  | 26-4 | 16-Φ25 | 1330 | 500  |
|                 | 450            | 510        | 615  | 565  | 532  | 26-4 | 20-Φ25 | 1460 | 500  |
|                 | 500            | 540        | 670  | 620  | 585  | 28-4 | 20-Φ25 | 1650 | 500  |
|                 | 600            | 600        | 780  | 725  | 685  | 28-5 | 20-Φ30 | 183  | 600  |
|                 | 700            | 660        | 895  | 840  | 800  | 30-5 | 24-Φ30 | 2120 | 700  |
| 1.6             | 800            | 730        | 1010 | 950  | 905  | 32-5 | 24-Φ34 | 2420 | 800  |
|                 | 900            | 800        | 1110 | 1050 | 1005 | 34-5 | 28-Φ34 | 2750 | 850  |
|                 | 1000           | 850        | 1220 | 1160 | 1115 | 34-5 | 28-Φ34 | 3130 | 900  |
|                 | 15             | 130        | 95   | 65   | 45   | 14-2 | 4-Φ14  | 170  | 120  |
|                 | 20             | 150        | 105  | 75   | 55   | 14-2 | 4-Φ14  | 190  | 140  |
|                 | 25             | 160        | 115  | 85   | 65   | 14-2 | 4-Φ14  | 205  | 160  |
|                 | 32             | 180        | 135  | 100  | 78   | 16-2 | 4-Φ18  | 270  | 180  |
|                 | 40             | 200        | 145  | 110  | 85   | 16-3 | 4-Φ18  | 290  | 200  |
|                 | 50             | 250        | 160  | 125  | 100  | 16-3 | 4-Φ18  | 310  | 240  |
|                 | 65             | 265        | 180  | 145  | 120  | 18-3 | 4-Φ18  | 373  | 240  |
|                 | 80             | 280        | 195  | 160  | 135  | 20-3 | 8-Φ18  | 435  | 280  |
|                 | 100            | 300        | 215  | 180  | 155  | 20-3 | 8-Φ18  | 445  | 300  |
|                 | 125            | 325        | 245  | 210  | 185  | 22-3 | 8-Φ18  | 570  | 320  |
|                 | 150            | 350        | 280  | 240  | 210  | 24-3 | 8-Φ23  | 630  | 360  |
|                 | 200            | 400        | 335  | 295  | 265  | 26-3 | 12-Φ23 | 735  | 400  |
|                 | 250            | 450        | 405  | 355  | 320  | 30-3 | 12-Φ25 | 969  | 450  |
|                 | 300            | 500        | 460  | 410  | 375  | 30-4 | 12-Φ25 | 976  | 580  |
|                 | 350            | 550        | 520  | 470  | 435  | 34-4 | 16-Φ25 | 1120 | 640  |
|                 | 400            | 600        | 580  | 525  | 485  | 36-4 | 16-Φ30 | 1452 | 640  |
|                 | 450            | 650        | 640  | 585  | 545  | 40-4 | 20-Φ30 | 1541 | 720  |
|                 | 500            | 700        | 705  | 650  | 608  | 44-4 | 20-Φ34 | 1880 | 720  |
|                 | 600            | 800        | 840  | 770  | 718  | 48-5 | 20-Φ36 | 1874 | 800  |
|                 | 700            | 900        | 910  | 840  | 788  | 50-5 | 24-Φ41 | 2083 | 800  |
|                 | 800            | 1000       | 1020 | 950  | 898  | 52-5 | 24-Φ41 | 2400 | 850  |
|                 | 900            | 1100       | 1120 | 1050 | 998  | 54-5 | 28-Φ41 | 2950 | 1000 |
|                 | 1000           | 1200       | 1255 | 1170 | 1110 | 56-5 | 28-Φ48 | 3245 | 1000 |

JB/T82.1-1994

JB/T79.1-1994

中压法兰连接手动闸阀  
Medium pressure flange with manual gate valve

主要外形尺寸及连接尺寸Main external and connection dimensionJB/T79.1-1994

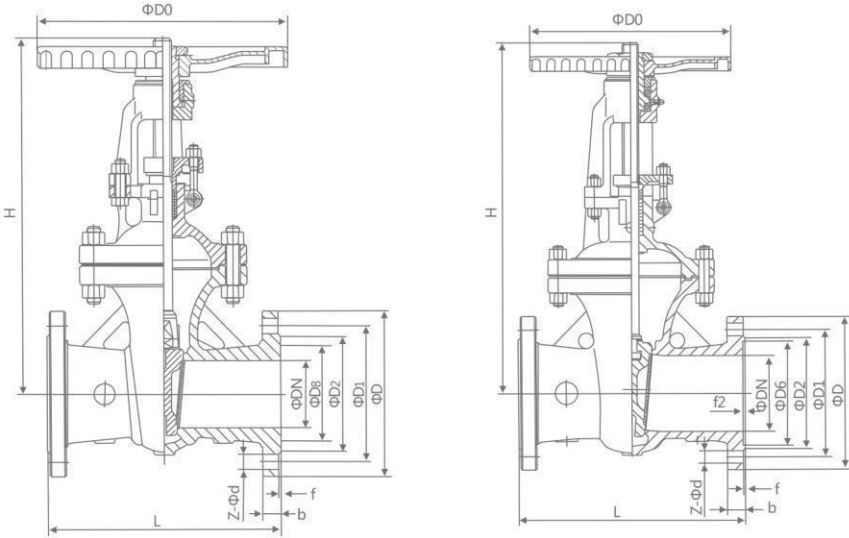
| 公称压力<br>PN(MPa) | 公称通径<br>DN(mm) | 尺寸Size(mm) |      |      |      |      |        |      |      |
|-----------------|----------------|------------|------|------|------|------|--------|------|------|
|                 |                | L          | D    | D1   | D2   | b-f  | Z-Φd   | H    | D0   |
| 2.5             | 15             | 130        | 95   | 65   | 45   | 16-2 | 4-Φ14  | 170  | 120  |
|                 | 20             | 150        | 105  | 75   | 55   | 16-2 | 4-Φ14  | 190  | 140  |
|                 | 25             | 160        | 115  | 85   | 65   | 16-2 | 4-Φ14  | 205  | 160  |
|                 | 32             | 180        | 135  | 100  | 78   | 18-2 | 4-Φ18  | 270  | 180  |
|                 | 40             | 200        | 145  | 110  | 85   | 18-3 | 4-Φ18  | 310  | 200  |
|                 | 50             | 250        | 160  | 125  | 100  | 20-3 | 4-Φ18  | 358  | 240  |
|                 | 65             | 265        | 180  | 145  | 120  | 22-3 | 8-Φ18  | 373  | 240  |
|                 | 80             | 280        | 195  | 160  | 135  | 22-3 | 8-Φ18  | 435  | 280  |
|                 | 100            | 300        | 230  | 190  | 160  | 24-3 | 8-Φ23  | 500  | 300  |
|                 | 125            | 325        | 270  | 220  | 188  | 28-3 | 8-Φ25  | 614  | 320  |
|                 | 150            | 350        | 300  | 250  | 218  | 30-3 | 8-Φ25  | 674  | 360  |
|                 | 200            | 400        | 360  | 310  | 278  | 34-3 | 12-Φ25 | 811  | 400  |
|                 | 250            | 450        | 425  | 370  | 332  | 36-3 | 12-Φ30 | 969  | 450  |
|                 | 300            | 500        | 485  | 430  | 390  | 40-4 | 16-Φ30 | 1145 | 580  |
|                 | 350            | 550        | 550  | 490  | 448  | 44-4 | 16-Φ34 | 1280 | 640  |
|                 | 400            | 600        | 610  | 550  | 505  | 48-4 | 16-Φ34 | 1452 | 640  |
|                 | 450            | 650        | 660  | 600  | 555  | 50-4 | 20-Φ34 | 1541 | 720  |
|                 | 500            | 700        | 730  | 660  | 610  | 52-4 | 20-Φ41 | 1676 | 720  |
|                 | 600            | 800        | 840  | 770  | 718  | 56-5 | 20-Φ41 | 1874 | 800  |
|                 | 700            | 900        | 955  | 875  | 815  | 60-5 | 24-Φ48 | 2083 | 800  |
|                 | 800            | 1000       | 1070 | 990  | 930  | 64-5 | 24-Φ48 | 2400 | 950  |
|                 | 900            | 1100       | 1180 | 1090 | 1025 | 66-5 | 28-Φ54 | 2950 | 1000 |
|                 | 1000           | 1200       | 1305 | 1210 | 1140 | 68-5 | 28-Φ58 | 3245 | 1000 |

主要外形尺寸及连接尺寸Main external and connection dimensionJB/T79.2-1994

| 公称压力<br>PN(MPa) | 公称通径<br>DN(mm) | 尺寸Size(mm) |      |      |     |     |      |     |       |      |      |
|-----------------|----------------|------------|------|------|-----|-----|------|-----|-------|------|------|
|                 |                | L          | D    | D1   | D2  | D6  | b-f  | f1  | Z-Φd  | H    | D0   |
| 4.0             | 15             | 130        | 95   | 65   | 45  | 40  | 16-2 | 4   | 4-14  | 135  | 120  |
|                 | 20             | 150        | 105  | 75   | 55  | 51  | 16-2 | 4   | 4-14  | 190  | 140  |
|                 | 25             | 160        | 115  | 85   | 65  | 58  | 16-2 | 4   | 4-14  | 205  | 160  |
|                 | 32             | 180        | 135  | 100  | 78  | 66  | 18-2 | 4   | 4-18  | 270  | 180  |
|                 | 40             | 200        | 145  | 110  | 85  | 76  | 18-3 | 4   | 4-18  | 310  | 200  |
|                 | 50             | 250        | 160  | 125  | 100 | 88  | 20-3 | 4   | 4-18  | 371  | 280  |
|                 | 65             | 280        | 180  | 145  | 120 | 110 | 22-3 | 4   | 8-18  | 391  | 280  |
|                 | 80             | 310        | 195  | 160  | 135 | 121 | 22-3 | 4   | 8-18  | 455  | 320  |
|                 | 100            | 350        | 230  | 190  | 160 | 150 | 24-3 | 4.5 | 8-23  | 551  | 360  |
|                 | 125            | 400        | 270  | 220  | 188 | 176 | 28-3 | 4.5 | 8-25  | 628  | 400  |
|                 | 150            | 450        | 300  | 250  | 218 | 204 | 30-3 | 4.5 | 8-25  | 708  | 400  |
|                 | 200            | 550        | 375  | 320  | 282 | 260 | 38-3 | 4.5 | 12-30 | 885  | 450  |
|                 | 250            | 650        | 445  | 385  | 345 | 313 | 42-3 | 4.5 | 12-34 | 906  | 560  |
|                 | 300            | 750        | 510  | 450  | 408 | 364 | 46-4 | 4.5 | 16-34 | 1203 | 640  |
|                 | 350            | 850        | 570  | 510  | 465 | 422 | 52-4 | 5   | 16-34 | 1341 | 640  |
|                 | 400            | 950        | 655  | 585  | 535 | 474 | 58-4 | 5   | 16-41 | 1492 | 720  |
|                 | 500            | 1150       | 755  | 670  | 612 | 576 | 62-4 | 5   | 20-48 | 1627 | /    |
|                 | 600            | 1350       | 890  | 795  | 730 | 678 | 62-5 | 6   | 20-54 | 1925 | /    |
|                 | 700            | 1450       | 995  | 900  | 835 | 768 | 68-5 | 6   | 24-54 | 2310 | /    |
|                 | 800            | 1650       | 1135 | 1030 | 960 | 876 | 76-5 | 6   | 24-58 | 2600 | /    |
| 6.4             | 15             | 170        | 105  | 75   | 55  | 40  | 18-2 | 4   | 4-14  | 140  | 100  |
|                 | 20             | 190        | 125  | 90   | 68  | 51  | 20-2 | 4   | 4-18  | 140  | 100  |
|                 | 25             | 210        | 135  | 100  | 78  | 58  | 22-2 | 4   | 4-18  | 215  | 180  |
|                 | 32             | 230        | 150  | 110  | 82  | 66  | 24-2 | 4   | 4-23  | 270  | 180  |
|                 | 40             | 240        | 165  | 125  | 95  | 76  | 24-3 | 4   | 4-23  | 345  | 200  |
|                 | 50             | 250        | 175  | 135  | 105 | 88  | 26-3 | 4   | 4-23  | 470  | 200  |
|                 | 65             | 280        | 200  | 160  | 130 | 110 | 28-3 | 4   | 8-23  | 520  | 250  |
|                 | 80             | 310        | 210  | 170  | 140 | 121 | 30-3 | 4.5 | 8-23  | 570  | 300  |
|                 | 100            | 350        | 250  | 200  | 168 | 150 | 32-3 | 4.5 | 8-25  | 700  | 300  |
|                 | 125            | 400        | 295  | 240  | 202 | 176 | 36-3 | 4.5 | 8-30  | 780  | 350  |
|                 | 150            | 450        | 340  | 280  | 240 | 204 | 38-3 | 4.5 | 8-34  | 850  | 350  |
|                 | 200            | 550        | 405  | 345  | 300 | 260 | 44-3 | 4.5 | 12-34 | 1035 | 400  |
|                 | 250            | 650        | 470  | 400  | 352 | 313 | 48-3 | 4.5 | 12-41 | 1050 | 560  |
|                 | 300            | 750        | 530  | 460  | 412 | 364 | 54-4 | 4.5 | 16-41 | 1470 | 640  |
|                 | 350            | 850        | 595  | 525  | 475 | 422 | 60-4 | 5   | 16-41 | 1718 | 700  |
|                 | 400            | 950        | 670  | 585  | 525 | 474 | 66-4 | 5   | 16-48 | 1885 | 750  |
|                 | 500            | 1150       | 800  | 705  | 640 | 576 | 70-4 | 5   | 20-54 | 2410 | 850  |
|                 | 600            | 1350       | 930  | 820  | 750 | 678 | 76-5 | 6   | 20-58 | 2895 | 1000 |

高压法兰连接手动闸阀  
High pressure flange connected with manual gate valve

Z41W-100C/I/P/R



主要外形尺寸及连接尺寸Main external and connection dimensionJB/T79.2-1994JB/T79.4-1994

| 公称压力<br>PN(MPa) | 公称通径<br>DN(mm) | 尺寸Size(mm) |     |     |     |     |     |     |       |      |     |
|-----------------|----------------|------------|-----|-----|-----|-----|-----|-----|-------|------|-----|
|                 |                | L          | D   | D1  | D2  | D8  | D6  | b   | Z-Φd  | H    | D0  |
| 10.0            | 15             | 170        | 105 | 75  | 55  | 35  | 40  | 20  | 4-14  | 140  | 120 |
|                 | 20             | 190        | 125 | 90  | 68  | 45  | 51  | 22  | 4-18  | 140  | 120 |
|                 | 25             | 210        | 135 | 100 | 78  | 50  | 58  | 24  | 4-18  | 310  | 200 |
|                 | 32             | 230        | 150 | 110 | 82  | 65  | 66  | 24  | 4-23  | 320  | 220 |
|                 | 40             | 240        | 165 | 125 | 95  | 75  | 76  | 26  | 4-23  | 360  | 240 |
|                 | 50             | 250        | 195 | 145 | 112 | 85  | 88  | 28  | 4-25  | 490  | 360 |
|                 | 65             | 280        | 220 | 170 | 138 | 110 | 110 | 32  | 8-25  | 540  | 400 |
|                 | 80             | 310        | 230 | 180 | 148 | 115 | 121 | 34  | 8-25  | 572  | 400 |
|                 | 100            | 350        | 265 | 210 | 172 | 145 | 150 | 38  | 8-30  | 573  | 400 |
|                 | 125            | 400        | 310 | 250 | 210 | 175 | 176 | 42  | 8-34  | 744  | 560 |
|                 | 150            | 450        | 350 | 290 | 250 | 205 | 204 | 46  | 12-34 | 800  | 560 |
|                 | 200            | 550        | 430 | 360 | 312 | 265 | 260 | 54  | 12-41 | 800  | 560 |
|                 | 250            | 650        | 500 | 430 | 382 | 320 | 313 | 60  | 12-41 | 1050 | 640 |
|                 | 300            | 750        | 585 | 500 | 442 | 375 | 364 | 70  | 16-48 | 1200 | 720 |
|                 | 350            | 850        | 655 | 560 | 498 | 420 | 422 | 76  | 16-54 | 1430 | 800 |
|                 | 400            | 950        | 715 | 620 | 558 | 480 | 474 | 80  | 16-54 | 1743 | 850 |
|                 | 500            | 1150       | 815 | 724 | 635 | 584 | 576 | 89  | 24-54 | 2055 | 900 |
| 16.0            | 15             | 170        | 110 | 75  | 52  | 35  | 40  | 24  | 4-18  | 230  | 200 |
|                 | 20             | 190        | 130 | 90  | 62  | 45  | 51  | 26  | 4-23  | 260  | 200 |
|                 | 25             | 210        | 140 | 100 | 72  | 50  | 58  | 28  | 4-23  | 280  | 280 |
|                 | 32             | 230        | 165 | 115 | 85  | 65  | 66  | 30  | 4-25  | 312  | 320 |
|                 | 40             | 260        | 175 | 125 | 92  | 75  | 76  | 32  | 4-27  | 350  | 320 |
|                 | 50             | 300        | 215 | 165 | 132 | 95  | 88  | 36  | 8-25  | 512  | 360 |
|                 | 65             | 340        | 245 | 190 | 152 | 110 | 110 | 44  | 8-30  | 560  | 360 |
|                 | 80             | 390        | 260 | 205 | 168 | 130 | 121 | 46  | 8-30  | 585  | 400 |
|                 | 100            | 450        | 300 | 240 | 200 | 160 | 150 | 48  | 8-34  | 631  | 450 |
|                 | 125            | 525        | 355 | 285 | 238 | 190 | 176 | 60  | 8-41  | 723  | 560 |
|                 | 150            | 600        | 390 | 318 | 270 | 205 | 204 | 66  | 12-41 | 820  | 640 |
|                 | 200            | 750        | 480 | 400 | 345 | 275 | 260 | 78  | 12-48 | 990  | 720 |
|                 | 250            | 838        | 580 | 485 | 425 | 330 | 313 | 88  | 12-54 | 1120 | 800 |
|                 | 300            | 965        | 665 | 570 | 510 | 380 | 364 | 100 | 16-54 | 1300 | 850 |

美标闸阀

API Gate valves

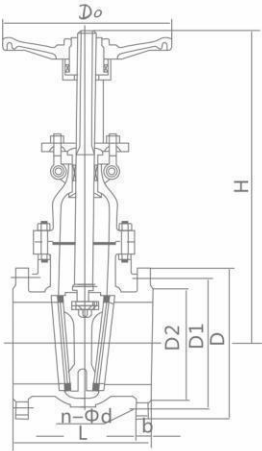
Z41 W 150  
H -300 Lb  
Y 600

一、产品概述 Product overview

法兰连接钢制闸阀适用于ANSI Class150 ~ 900、PN2.0 ~ 16.0MPa、JIS10 ~ 20K，工作温度-29 ~ 425℃（碳钢）及-40 ~ 500℃（不锈钢）的名种管路上，用于截断或接通管路中的介质。通过选用不同的材质，可适用于水、蒸汽、油品、硝酸、醋酸、强氧化性介质及尿素等多种介质。有手动、伞齿轮传动及电动等。

二、结构特点 Structural characteristics of

- 1、产品设计制造符合国外先进标准要求，密封可靠，性能优良。
- 2、结构设计紧凑合理，造型美观。
- 3、采用楔式弹性闸板结构，中大口径设置滚动轴承，启闭轻松。
- 4、阀体材料品种齐全，填料、垫片根据实际工况或用户要求合理选配，可适用于各种压力、温度及介质工况。
- 5、采用国内外多种配管法兰标准及法兰密封面型式，满足各种工程需要及用户要求



三、主要零件材料 Main components material

| 名称 Name           | 材料 Material          |       |      |       |             |      |      |      |      |
|-------------------|----------------------|-------|------|-------|-------------|------|------|------|------|
| 阀体/阀盖 Body/Bonnet | CF8                  | CF3   | CF8M | CF3M  | WCB         | LCB  | WC6  | WC9  | C5   |
| 闸板 Wedge          | CF8                  | CF3   | CF8M | CF3M  | WCB         | LCB  | WC6  | WC9  | C5   |
| 阀杆 Stem           | F304                 | F304L | F316 | F316L | 2CR13       | F304 | F304 | F304 | F304 |
| 阀杆螺母 Stem Nut     | 铝青铜 Aluminium Bronze |       |      |       |             |      |      |      |      |
| 填料 Packing        | PTFE/柔性石墨            |       |      |       | 石墨 Graphite |      |      |      |      |
| 垫片 Gasket         | PTFE/金属缠绕垫           |       |      |       | 石墨 Graphite |      |      |      |      |
| 压盖 Gland          | CF8                  | CF3   | CF8M | CF3M  | WCB         | LCB  | WC6  | WC9  | C5   |
| 螺栓 Bolt           | 不锈钢 Stainless Steel  |       |      |       | 35CrMoA     |      |      |      |      |
| 螺母 Nut            | 不锈钢 Stainless Steel  |       |      |       | 45、35CrMoA  |      |      |      |      |
| 手轮 Handwheel      | 铸钢 Cast Steel        |       |      |       |             |      |      |      |      |

四、主要外形尺寸及连接尺寸 Main external and connection dimension

Class(150Lb)

| 规格<br>inch | 尺寸(mm) |     |     |       |     |    |        |      |     |
|------------|--------|-----|-----|-------|-----|----|--------|------|-----|
|            | DN     | L   | D   | D1    | D2  | b  | Z-Φd   | H    | D0  |
| 1/2"       | 15     | 108 | 89  | 60.5  | 35  | 12 | 4-Φ15  | 155  | 120 |
| 3/4"       | 20     | 117 | 98  | 70    | 43  | 12 | 4-Φ15  | 160  | 120 |
| 1"         | 25     | 127 | 108 | 79.5  | 51  | 12 | 4-Φ15  | 200  | 140 |
| 1"         | 32     | 140 | 117 | 89    | 64  | 13 | 4-Φ15  | 245  | 160 |
| 1 1/2"     | 40     | 165 | 127 | 98.5  | 73  | 15 | 4-Φ15  | 285  | 180 |
| 2"         | 50     | 178 | 152 | 120.5 | 92  | 16 | 4-Φ19  | 315  | 200 |
| 2 1/2"     | 65     | 190 | 178 | 139.5 | 105 | 18 | 4-Φ19  | 375  | 220 |
| 3"         | 80     | 203 | 190 | 152.5 | 127 | 19 | 4-Φ19  | 400  | 240 |
| 4"         | 100    | 229 | 229 | 190.5 | 157 | 24 | 8-Φ19  | 460  | 280 |
| 5"         | 125    | 254 | 254 | 216   | 186 | 24 | 8-Φ22  | 540  | 300 |
| 6"         | 150    | 267 | 279 | 241.5 | 216 | 26 | 8-Φ22  | 620  | 320 |
| 8"         | 200    | 292 | 343 | 298.5 | 270 | 29 | 8-Φ22  | 800  | 400 |
| 10"        | 250    | 330 | 406 | 362   | 324 | 31 | 12-Φ25 | 850  | 450 |
| 12"        | 300    | 356 | 483 | 432   | 381 | 32 | 12-Φ25 | 1000 | 500 |
| 14"        | 350    | 381 | 533 | 476   | 413 | 35 | 12-Φ29 | 1300 | 600 |
| 16"        | 400    | 406 | 597 | 540   | 470 | 37 | 16-Φ29 | 1400 | 600 |
| 18"        | 450    | 432 | 635 | 578   | 533 | 40 | 16-Φ32 | 1600 | 650 |
| 20"        | 500    | 457 | 398 | 635   | 584 | 43 | 20-Φ32 | 1850 | 650 |
| 24"        | 600    | 508 | 813 | 749.5 | 692 | 48 | 20-Φ35 | 2200 | 700 |

美标闸阀

API Gate valves

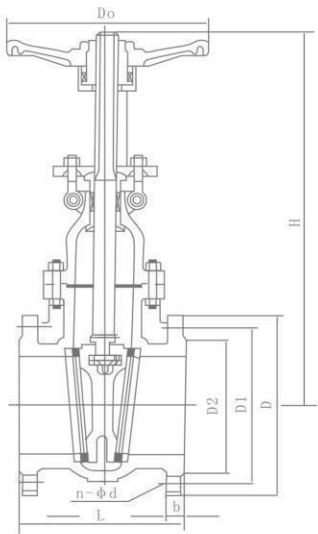
Class(300Lb)

| 规格<br>inch | 尺寸(mm) |      |     |       |     |    |        |      |     |
|------------|--------|------|-----|-------|-----|----|--------|------|-----|
|            | DN     | L    | D   | D1    | D2  | B  | Z-Φd   | H    | H   |
| 1/2"       | 15     | 140  | 95  | 66.5  | 35  | 15 | 4-Φ15  | 155  | 120 |
| 3/4"       | 20     | 152  | 117 | 82.5  | 43  | 16 | 4-Φ19  | 160  | 120 |
| 1"         | 25     | 165  | 124 | 89    | 51  | 18 | 4-Φ19  | 200  | 140 |
| 1 1/4"     | 32     | 178  | 133 | 98.5  | 64  | 19 | 4-Φ19  | 250  | 160 |
| 1 1/2"     | 40     | 190  | 156 | 114.5 | 73  | 21 | 4-Φ22  | 290  | 180 |
| 2"         | 50     | 216  | 165 | 127   | 92  | 22 | 8-Φ19  | 330  | 200 |
| 2"         | 65     | 241  | 190 | 149   | 105 | 25 | 8-Φ22  | 385  | 220 |
| 3"         | 80     | 283  | 210 | 168.5 | 127 | 29 | 8-Φ22  | 410  | 240 |
| 4"         | 100    | 305  | 254 | 200   | 157 | 32 | 8-Φ22  | 480  | 280 |
| 5"         | 125    | 381  | 279 | 235   | 186 | 35 | 8-Φ22  | 630  | 300 |
| 6"         | 150    | 403  | 318 | 270   | 216 | 37 | 12-Φ22 | 690  | 320 |
| 8"         | 200    | 419  | 381 | 330   | 270 | 41 | 12-Φ25 | 830  | 400 |
| 10"        | 250    | 457  | 445 | 387.5 | 324 | 48 | 16-Φ29 | 1003 | 450 |
| 12"        | 300    | 502  | 521 | 451   | 381 | 51 | 16-Φ32 | 1137 | 500 |
| 14"        | 350    | 762  | 584 | 514.5 | 413 | 54 | 20-Φ32 | 1489 | 600 |
| 16"        | 400    | 838  | 648 | 571.5 | 470 | 57 | 20-Φ35 | 1581 | 600 |
| 18"        | 450    | 914  | 711 | 628.5 | 533 | 60 | 24-Φ35 | 2017 | 650 |
| 20"        | 500    | 991  | 775 | 686   | 584 | 64 | 24-Φ35 | 2228 | 650 |
| 24"        | 600    | 1143 | 914 | 813   | 692 | 70 | 24-Φ41 | 2650 | 700 |

Class(600Lb)

| 规格<br>inch | 尺寸(mm) |      |     |       |     |     |        |      |      |
|------------|--------|------|-----|-------|-----|-----|--------|------|------|
|            | DN     | L    | D   | D1    | D2  | B   | Z-Φd   | H    | H    |
| 1/2"       | 15     | 165  | 95  | 66.5  | 35  | 15  | 4-Φ15  | 155  | 155  |
| 3/4"       | 20     | 190  | 118 | 82.5  | 43  | 16  | 4-Φ19  | 160  | 160  |
| 1"         | 25     | 216  | 124 | 89    | 51  | 18  | 4-Φ19  | 200  | 200  |
| 1 1/4"     | 32     | 229  | 133 | 98.5  | 64  | 21  | 4-Φ19  | 250  | 250  |
| 1 1/2"     | 40     | 241  | 156 | 114.5 | 73  | 23  | 4-Φ22  | 290  | 290  |
| 2"         | 50     | 292  | 165 | 127   | 92  | 26  | 8-Φ19  | 350  | 350  |
| 2 ?"       | 65     | 330  | 190 | 149   | 105 | 29  | 8-Φ22  | 430  | 430  |
| 3"         | 80     | 356  | 210 | 168   | 127 | 32  | 8-Φ22  | 470  | 470  |
| 4"         | 100    | 432  | 273 | 216   | 157 | 38  | 8-Φ25  | 570  | 570  |
| 5"         | 125    | 508  | 330 | 266.5 | 186 | 45  | 8-Φ29  | 700  | 700  |
| 6"         | 150    | 559  | 356 | 292   | 216 | 48  | 12-Φ29 | 750  | 750  |
| 8"         | 200    | 660  | 419 | 349   | 270 | 56  | 12-Φ32 | 830  | 830  |
| 10"        | 250    | 787  | 508 | 432   | 324 | 64  | 16-Φ35 | 1210 | 1210 |
| 12"        | 300    | 838  | 559 | 489   | 381 | 67  | 20-Φ35 | 1350 | 1350 |
| 14"        | 350    | 889  | 603 | 527   | 413 | 70  | 20-Φ38 | 1600 | 1600 |
| 16"        | 400    | 991  | 686 | 603   | 470 | 77  | 20-Φ41 | 1800 | 1800 |
| 18"        | 450    | 1092 | 743 | 654   | 533 | 83  | 20-Φ44 | 2110 | 2110 |
| 20"        | 500    | 1194 | 813 | 724   | 584 | 89  | 24-Φ22 | 2350 | 2350 |
| 24"        | 600    | 1397 | 940 | 838   | 692 | 102 | 24-Φ52 | 2900 | 2900 |

日标闸阀  
JIS Gate valves



执行标准 Execution standard

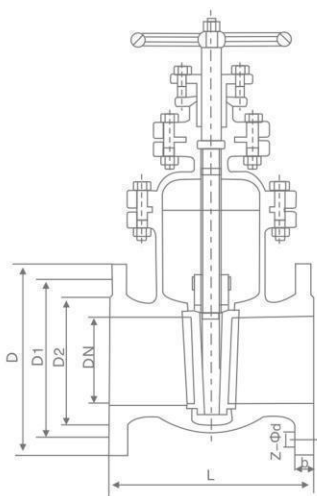
| 设计与制造<br>Design and Manufacture | 结构长度<br>Structure Length | 连接法兰<br>Connection flange | 压力-温度等级<br>Pressure-temperature rating | 试验-检验<br>Test and Inspection |
|---------------------------------|--------------------------|---------------------------|----------------------------------------|------------------------------|
| JIS B2073 B2083                 | JIS B2002                | JIS B2212 B2214           | JIS B2073 B2083                        | JIS B2003                    |

规格主要尺寸 Main size

| DN  |    | 10K |      |     |
|-----|----|-----|------|-----|
| mm  | in | L   | H    | D0  |
| 50  | 2  | 178 | 409  | 200 |
| 65  | 2½ | 190 | 535  | 250 |
| 80  | 3  | 203 | 570  | 250 |
| 100 | 4  | 229 | 590  | 250 |
| 150 | 6  | 267 | 630  | 300 |
| 200 | 8  | 292 | 960  | 350 |
| 250 | 10 | 330 | 1158 | 400 |
| 300 | 12 | 356 | 1378 | 450 |
| 350 | 14 | 381 | 1543 | 500 |
| 400 | 16 | 406 | 1738 | 600 |
| 450 | 18 | 432 | 1959 | 600 |
| 500 | 20 | 457 | 2214 | 680 |
| 20K |    |     |      |     |
| 50  | 2  | 216 | 480  | 200 |
| 65  | 2½ | 241 | 510  | 250 |
| 80  | 3  | 283 | 580  | 280 |
| 100 | 4  | 305 | 700  | 350 |
| 150 | 6  | 403 | 940  | 400 |
| 200 | 8  | 419 | 1190 | 450 |
| 250 | 10 | 457 | 1390 | 500 |
| 300 | 12 | 502 | 1600 | 500 |
| 350 | 14 | 762 | 1750 | 600 |
| 400 | 16 | 838 | 1900 | 600 |
| 450 | 18 | 914 | 2320 | 650 |

Z45H/W暗杆闸阀  
Non-rising stem gate

Z45 W -16C/P/R



技术参数 Technical parameters

| 压力等级<br>Pressure rating | 阀体耐压<br>Body voltage | 密封试验<br>Seal test | 工作温度<br>Working temperature | 适用介质<br>Suitable medium |
|-------------------------|----------------------|-------------------|-----------------------------|-------------------------|
| 1.0MPa、1.6MPa           | 1.5MPa、2.4MPa        | 1.1MPa、1.76MPa    | 0~80℃                       | 水、气等<br>water, gas, etc |

主要零件材料 Main components material

| 名称 Name           | 材料 Material          |       |      |       |             |      |      |      |      |
|-------------------|----------------------|-------|------|-------|-------------|------|------|------|------|
| 阀体/阀盖 Body/Bonnet | CF8                  | CF3   | CF8M | CF3M  | WCB         | LCB  | WC6  | WC9  | C5   |
| 闸板 Wedge          | CF8                  | CF3   | CF8M | CF3M  | WCB         | LCB  | WC6  | WC9  | C5   |
| 阀杆 Stem           | F304                 | F304L | F316 | F316L | 2CR13       | F304 | F304 | F304 | F304 |
| 阀杆螺母 Stem Nut     | 铝青铜 Aluminium Bronze |       |      |       |             |      |      |      |      |
| 填料 Packing        | PTFE/柔性石墨            |       |      |       | 石墨 Graphite |      |      |      |      |
| 垫片 Gasket         | PTFE/金属缠绕垫           |       |      |       | 石墨 Graphite |      |      |      |      |
| 压盖 Gland          | CF8                  | CF3   | CF8M | CF3M  | WCB         | LCB  | WC6  | WC9  | C5   |
| 螺栓 Bolt           | 不锈钢 Stainless Steel  |       |      |       | 35CrMoA     |      |      |      |      |
| 螺母 Nut            | 不锈钢 Stainless Steel  |       |      |       | 45、35CrMoA  |      |      |      |      |
| 手轮 Handwheel      | 铸钢 Cast Steel        |       |      |       |             |      |      |      |      |

主要尺寸 Main dimensions

| 公称通径<br>DN(mm) | 尺寸 Dimensions (mm) |     |     |     |    |       |
|----------------|--------------------|-----|-----|-----|----|-------|
|                | L                  | D   | D1  | D2  | b  | Z-φd  |
| 50             | 250                | 160 | 125 | 100 | 16 | 4-18  |
| 65             | 265                | 180 | 145 | 120 | 18 | 4-18  |
| 80             | 280                | 195 | 160 | 135 | 20 | 8-18  |
| 100            | 300                | 215 | 180 | 155 | 20 | 8-18  |
| 125            | 325                | 245 | 210 | 185 | 22 | 8-18  |
| 150            | 350                | 280 | 240 | 210 | 24 | 8-23  |
| 200            | 400                | 335 | 295 | 265 | 26 | 12-23 |
| 250            | 450                | 405 | 355 | 320 | 30 | 12-25 |
| 300            | 500                | 460 | 410 | 375 | 30 | 12-25 |
| 350            | 550                | 520 | 470 | 435 | 34 | 16-25 |
| 400            | 600                | 580 | 525 | 485 | 36 | 16-30 |