



| 公称压力 Nominal Pressure |                                | 产品型号 product type                            |
|-----------------------|--------------------------------|--|
| 1.0~16.0MPa 150~900Lb | 无导流孔<br>without diversion hole | Z9B43WF、Z9B43WY、Z9B43WD、Z9B43WbF、Z9B43WbY    |
|                       | 有导流孔<br>with diversion hole    | Z9B43NF、Z9B43YF、Z9B43F、Z9B43Y、Z9B43DF、Z9B43D |

### 性能规范 Specification

| 压力等级<br>Pressure class              | 常温下压力试验 (MPa)<br>Normal testing Pressure |                    |                         |                      |     | 适用温度<br>Suitable Temperature ( °C ) |                   |                     | 适用介质<br>applicable medium  |  |
|-------------------------------------|--|--------------------|-------------------------|----------------------|-----|-------------------------------------|-------------------|---------------------|--|--|
|                                     | 壳体<br>shell                              | 左密封<br>Liquid seal | 右密封<br>Liquid Back seal | 气体<br>低压密封<br>Liquid |     | "G" 型<br>"G" type                   | "D" 型<br>"D" type | 普通型<br>General type | "KZ" 型<br>"KZ" type  | "Z" 型<br>"Z" type  |
| 公称压力<br>Nominal Pressure<br>PN(MPa) | 1.0                                      | 1.5                | 1.1                     | 1.1                  | 0.6 | -29-250                             | -45-121           | -29-121             | 含H <sub>2</sub> S和CO <sub>2</sub><br>>500Mg/m <sup>3</sup><br>的介质<br>Medium with<br>H <sub>2</sub> S and<br>CO <sub>2</sub><br>>500Mg/m <sup>3</sup> | 石油、<br>天然气、<br>水等<br>Petroleum<br>oil,LNG<br>natural gas,<br>water etc |
|                                     | 1.6                                      | 2.4                | 1.76                    | 1.76                 | 0.6 |                                     |                   |                     |  |  |
|                                     | 2.5                                      | 3.75               | 2.75                    | 2.75                 | 0.6 |                                     |                   |                     |  |  |
|                                     | 4.0                                      | 6.0                | 4.4                     | 4.4                  | 0.6 |                                     |                   |                     |  |  |
|                                     | 6.4                                      | 9.6                | 7.04                    | 7.04                 | 0.6 |                                     |                   |                     |  |  |
|                                     | 10.0                                     | 15.0               | 11.0                    | 11.0                 | 0.6 |                                     |                   |                     |  |  |
| 磅级Lb<br>class Lb                    | 16.0                                     | 24.0               | 17.6                    | 17.6                 | 0.6 |                                     |                   |                     |  |  |
|                                     | 150                                      | 2.93               | 2.07                    | 2.07                 | 0.6 |                                     |                   |                     |  |  |
|                                     | 300                                      | 5.52               | 5.52                    | 5.52                 | 0.6 |                                     |                   |                     |  |  |
|                                     | 400                                      | 10.0               | 7.31                    | 7.31                 | 0.6 |                                     |                   |                     |  |  |
|                                     | 600                                      | 15.0               | 11.03                   | 11.03                | 0.6 |                                     |                   |                     |  |  |
|                                     | 900                                      | 22.4               | 16.54                   | 16.54                | 0.6 |                                     |                   |                     |  |  |

### 主要零件材料 Materials for main parts

| 零件名称<br>name        | 阀体、阀盖<br>body, bonnet | 闸板 Disc  | 阀杆 Stem                  | 阀座 Seat  | 阀杆螺母<br>Stem nut          | 密封圈<br>Sealing        | 填料<br>Patching   | 密封指 Ring                                    |
|---------------------|-----------------------|--|--------------------------|--|---------------------------|-----------------------|--|---|
| "Z" 型<br>"Z" type   | WCB                   | 合金钢(特殊处理)<br>Alloy steel<br>(superficial<br>specific<br>treatment) | 不锈钢<br>Stainless steel   | 合金钢(特殊处理)<br>Alloy steel<br>(superficial<br>specific<br>treatment) | 铝青铜<br>Aluminum<br>bronze | 填充四氟<br>Stuffing PTFE | 填充四氟、<br>膨胀石墨<br>Stuffing PTFE、<br>Expanding<br>graphite | 耐油密封脂<br>Oil resisting<br>packing grease    |
| "KZ" 型<br>"KZ" type |                       |  | 抗硫不锈钢<br>Stainless steel |  |                           |                       |  | 抗硫密封脂<br>Resistant sulfur<br>packing grease |

注：抗硫阀门型号前加“K”、调节型阀门型号前加“L”、耐磨型F后加“M”

Note: anti-sulphur type with K, control valve type with 'L', anti wear type with M after F.

## 产品标准 product standard

|               |  |
|---------------|--|
| API 6D        | 管道阀门Pipeline valve   |
| JB/T5298      | 管线用钢制平板闸阀Steel parallel plate valve for pipeline                     |
| ANSI B16.5a   | 管法兰及法兰管件pipe flanges and flange pipes                                |
| JB/T79.1~79.2 | 整体铸钢管法兰Whole cast steel flange                                       |
| GB/T13927     | 通用阀门 压力试验Pressure test for universal valves                          |
| GB/T9092      | 阀门的检验与试验Valve inspection and testing                                 |
| JB/TQ814      | 钢制平板闸阀产品质量分等Steel parallel plate valve products quality grades ranks |

## 主要外型尺寸及重量 The prime out-form dimensions and weight

| 公称压力<br>Nominal<br>Pressure<br>PN(MPa) | 尺寸 Dimensions ( mm ) |      |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--|----------------------|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | DN(mm)               | 100  | 125 | 150 | 200  | 250  | 300  | 350  | 400  | 450  | 500  | 600  | 700  | 800  | 900  | 1000 |      |
| 1.0                                    | L                    | 229  | 254 | 267 | 292  | 330  | 356  | 381  | 406  | 432  | 457  | 508  | 610  | 660  | 711  | 811  |      |
|  | H                    | 770  | 870 | 965 | 1200 | 1360 | 1560 | 1740 | 1930 | 2160 | 2420 | 2800 | 3200 | 3640 | 4050 | 4467 |      |
|  | H1                   | 无导流孔 | 114 | 132 | 150  | 188  | 225  | 247  | 275  | 312  | 335  | 380  | 445  | 490  | 560  | 610  | 715  |
|  |                      | 有导流孔 | 214 | 257 | 300  | 388  | 475  | 547  | 625  | 712  | 785  | 880  | 1045 | 1190 | 1360 | 1510 | 1715 |
|  | (6X)重量               | 无导流孔 | 87  | 130 | 140  | 175  | 275  | 350  | 510  | 610  | 830  | 1150 | 1780 | 2350 | 3380 | 4460 | 5740 |
|  |                      | 有导流孔 | 94  | 140 | 151  | 198  | 297  | 378  | 550  | 658  | 896  | 1240 | 1922 | 2530 | 3650 | 4817 | 6200 |
| 1.6                                    | L                    | 229  | 254 | 267 | 292  | 330  | 356  | 381  | 406  | 432  | 457  | 508  | 610  | 660  | 711  | 811  |      |
|  | H                    | 770  | 870 | 965 | 1200 | 1360 | 1560 | 1740 | 1930 | 2160 | 2420 | 2800 | 3200 | 3640 | 4050 | 4467 |      |
|  | H1                   | 无导流孔 | 114 | 132 | 150  | 188  | 225  | 247  | 275  | 312  | 335  | 380  | 445  | 490  | 560  | 610  | 715  |
|  |                      | 有导流孔 | 214 | 257 | 300  | 388  | 475  | 547  | 625  | 712  | 785  | 880  | 1045 | 1190 | 1360 | 1510 | 1715 |
|  | (6X)重量               | 无导流孔 | 90  | 135 | 150  | 185  | 295  | 400  | 550  | 660  | 1030 | 1300 | 1950 | 3010 | 3800 | 5150 | 6360 |
|  |                      | 有导流孔 | 97  | 145 | 162  | 200  | 318  | 432  | 596  | 713  | 1100 | 1400 | 2100 | 3250 | 4100 | 5560 | 6868 |
| 2.5                                    | L                    | 229  | 254 | 267 | 292  | 330  | 356  | 381  | 406  | 432  | 457  | 508  | 610  | 660  | 711  | 811  |      |
|  | H                    | 770  | 870 | 965 | 1200 | 1370 | 1560 | 1740 | 1970 | 2260 | 2420 | 2800 | 3230 | 3640 | 4050 | 4467 |      |
|  | H1                   | 无导流孔 | 114 | 132 | 150  | 188  | 225  | 247  | 275  | 312  | 335  | 380  | 445  | 490  | 560  | 610  | 715  |
|  |                      | 有导流孔 | 214 | 257 | 300  | 388  | 475  | 547  | 625  | 712  | 785  | 880  | 1045 | 1190 | 1360 | 1510 | 1715 |
|  | (6X)重量               | 无导流孔 | 95  | 145 | 163  | 200  | 330  | 420  | 575  | 735  | 1110 | 1380 | 2030 | 3210 | 4020 | 5320 | 6600 |
|  |                      | 有导流孔 | 103 | 156 | 176  | 216  | 356  | 450  | 621  | 794  | 1198 | 1490 | 2192 | 3466 | 4340 | 5745 | 7130 |

注：法兰连接尺寸见附表P45~P51RF size refer to the attachment listP45~P51



## 产品标准 product standard

|               |  |
|---------------|--|
| API 6D        | 管道阀门Pipeline valve   |
| JB/T5298      | 管线用钢制平板闸阀Steel parallel plate valve for pipeline                     |
| ANSI B16.5a   | 管法兰及法兰管件pipe flanges and flange pipes                                |
| JB/T79.1~79.2 | 整体铸钢管法兰Whole cast steel flange                                       |
| GB/T13927     | 通用阀门 压力试验Pressure test for universal valves                          |
| GB/T9092      | 阀门的检验与试验Valve inspection and testing                                 |
| JB/TQ814      | 钢制平板闸阀产品质量分等Steel parallel plate valve products quality grades ranks |

## 主要外型尺寸及重 The prime out-form dimensions and weight

| 公称压力<br>Nominal<br>Pressure<br>PN(MPa) | 尺寸 Dimensions (mm) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | Dn<br>(mm)         | 100  | 125  | 150  | 200  | 250  | 300  | 350  | 400  | 450  | 500  | 600  | 700  | 800  | 900  | 1000 |      |
| 1.0                                    | L                  | 229  | 254  | 267  | 292  | 330  | 356  | 381  | 406  | 432  | 457  | 508  | 610  | 660  | 711  | 811  |      |
|  | H                  | 912  | 1012 | 1107 | 1390 | 1550 | 1740 | 1913 | 2103 | 2365 | 2585 | 2990 | 3390 | 3850 | 4260 | 4677 |      |
|  | H1                 | 无导流孔 | 114  | 132  | 150  | 188  | 225  | 247  | 275  | 312  | 335  | 380  | 445  | 490  | 560  | 610  | 715  |
|  |                    | 有导流孔 | 214  | 257  | 300  | 388  | 475  | 547  | 625  | 712  | 785  | 880  | 1045 | 1190 | 1360 | 1510 | 1715 |
|  | 重量 (Kg)            | 无导流孔 | 97   | 140  | 150  | 210  | 310  | 370  | 570  | 670  | 930  | 1200 | 1860 | 2430 | 2290 | 4470 | 5750 |
|  |                    | 有导流孔 | 104  | 150  | 161  | 233  | 332  | 398  | 610  | 718  | 996  | 1290 | 2002 | 2610 | 3660 | 4827 | 6210 |
| 1.6                                    | L                  | 229  | 254  | 267  | 292  | 330  | 356  | 381  | 406  | 432  | 457  | 508  | 610  | 660  | 711  | 811  |      |
|  | H                  | 912  | 1012 | 1107 | 1390 | 1550 | 1740 | 1913 | 2103 | 2365 | 2585 | 2990 | 3390 | 3850 | 4260 | 4677 |      |
|  | H1                 | 无导流孔 | 114  | 132  | 150  | 188  | 225  | 247  | 275  | 312  | 335  | 380  | 445  | 490  | 560  | 610  | 715  |
|  |                    | 有导流孔 | 214  | 257  | 300  | 388  | 475  | 547  | 625  | 712  | 785  | 880  | 1045 | 1190 | 1360 | 1510 | 1715 |
|  | 重量 (Kg)            | 无导流孔 | 100  | 145  | 160  | 220  | 330  | 420  | 610  | 720  | 1130 | 1350 | 2030 | 3090 | 3810 | 5160 | 6370 |
|  |                    | 有导流孔 | 107  | 155  | 172  | 235  | 353  | 452  | 656  | 773  | 1200 | 1450 | 2180 | 3330 | 4110 | 5570 | 6878 |
| 2.5                                    | L                  | 229  | 254  | 267  | 292  | 330  | 356  | 381  | 406  | 432  | 457  | 508  | 610  | 660  | 711  | 811  |      |
|  | H                  | 912  | 1012 | 1107 | 1390 | 1550 | 1740 | 1913 | 2103 | 2365 | 2585 | 2990 | 3390 | 3850 | 4260 | 4677 |      |
|  | H1                 | 无导流孔 | 114  | 132  | 150  | 188  | 225  | 247  | 275  | 312  | 335  | 380  | 445  | 490  | 560  | 610  | 715  |
|  |                    | 有导流孔 | 214  | 257  | 300  | 388  | 475  | 547  | 625  | 712  | 785  | 880  | 1045 | 1190 | 1360 | 1510 | 1715 |
|  | 重量 (Kg)            | 无导流孔 | 105  | 155  | 198  | 235  | 390  | 480  | 635  | 785  | 1160 | 1460 | 2140 | 3610 | 4320 | 5620 | 6900 |
|  |                    | 有导流孔 | 113  | 155  | 211  | 251  | 416  | 510  | 681  | 844  | 1248 | 1570 | 2301 | 3476 | 4640 | 6045 | 7430 |

注：法兰连接尺寸见附表P45~P51RF size refer to the attachment listP45~P51



主要外型尺寸及重量 The prime out-form dimensions and weight

| 公称压力<br>Nominal<br>Pressure<br>PN(MPa) | 尺寸 Dimensions (mm) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | Dn<br>(mm)         | 100  | 125  | 150  | 200  | 250  | 300  | 350  | 400  | 450  | 500  | 600  | 700  | 800  |      |
| 4.0                                    | L                  | 305  | 381  | 403  | 419  | 457  | 502  | 762  | 838  | 914  | 991  | 1143 | 1346 | 1524 |      |
|  | H                  | 712  | 1012 | 1155 | 1390 | 1543 | 1745 | 1945 | 2135 | 2385 | 2660 | 3010 | 3480 | 3890 |      |
|  | H1                 | 无导流孔 | 114  | 132  | 150  | 188  | 225  | 247  | 275  | 312  | 346  | 380  | 445  | 490  | 560  |
|  |                    | 有导流孔 | 214  | 257  | 300  | 388  | 475  | 547  | 625  | 712  | 796  | 880  | 1045 | 1190 | 1360 |
|  | 重量<br>(Kg)         | 无导流孔 | 125  | 183  | 235  | 385  | 520  | 770  | 1000 | 1450 | 1700 | 2160 | 3540 | 4170 | 5580 |
|  |                    | 有导流孔 | 128  | 181  | 250  | 413  | 557  | 823  | 1039 | 1550 | 1830 | 2325 | 3400 | 4770 | 6295 |

| 公称压力<br>Nominal<br>Pressure<br>PN(MPa) | 尺寸 Dimensions (mm) |      |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |
|--|--------------------|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|
|  | Dn<br>(mm)         | 50   | 65  | 80  | 100 | 125  | 150  | 200  | 250  | 300  | 350  | 400  | 450  | 500  | 600  | 700  |      |
| 6.4                                    | L                  | 250  | 280 | 310 | 350 | 400  | 450  | 550  | 650  | 750  | 850  | 950  | 1050 | 1150 | 1350 | 1450 |      |
|  | H                  | 647  | 702 | 752 | 912 | 1060 | 1138 | 1373 | 1575 | 1725 | 1930 | 2210 | 2500 | 2630 | 3050 | 3480 |      |
|  | H1                 | 无导流孔 | 108 | 125 | 145 | 165  | 190  | 220  | 280  | 330  | 380  | 430  | 480  | 530  | 580  | 670  | 770  |
|  |                    | 有导流孔 | 158 | 190 | 225 | 255  | 275  | 330  | 410  | 490  | 570  | 650  | 735  | 810  | 905  | 1070 | 1230 |
|  | 重量<br>(Kg)         | 无导流孔 | 105 | 122 | 135 | 148  | 235  | 300  | 460  | 640  | 860  | 1280 | 1790 | 2090 | 2410 | 3880 | 5030 |
|  |                    | 有导流孔 | 107 | 126 | 140 | 153  | 251  | 320  | 492  | 683  | 975  | 1380 | 1925 | 2250 | 2600 | 4458 | 5700 |
| 10.0                                   | L                  | 250  | 280 | 310 | 350 | 400  | 450  | 550  | 650  | 750  | 850  | 950  | 1050 | 1150 |      |      |      |
|  | H                  | 647  | 702 | 752 | 950 | 1060 | 1138 | 1403 | 1575 | 1750 | 1930 | 2210 | 2380 | 2500 |      |      |      |
|  | H1                 | 无导流孔 | 108 | 125 | 145 | 165  | 190  | 220  | 280  | 330  | 380  | 430  | 480  | 530  | 580  |      |      |
|  |                    | 有导流孔 | 158 | 190 | 225 | 255  | 275  | 330  | 410  | 490  | 570  | 650  | 735  | 810  | 905  |      |      |
|  | 重量<br>(Kg)         | 无导流孔 | 109 | 135 | 150 | 192  | 255  | 398  | 544  | 720  | 1270 | 1880 | 2480 | 2930 | 3380 |      |      |
|  |                    | 有导流孔 | 112 | 140 | 155 | 205  | 274  | 425  | 580  | 775  | 1365 | 2025 | 2270 | 2980 | 3650 |      |      |
| 16.0                                   | L                  | 300  | 340 | 380 | 425 | 480  | 530  | 620  | 730  | 850  |      |      |      |      |      |      |      |
|  | H                  | 647  | 702 | 752 | 950 | 1060 | 1138 | 1403 | 1575 | 1750 |      |      |      |      |      |      |      |
|  | H1                 | 无导流孔 | 108 | 125 | 145 | 165  | 190  | 220  | 280  | 330  | 380  |      |      |      |      |      |      |
|  |                    | 有导流孔 | 158 | 190 | 225 | 255  | 275  | 330  | 410  | 490  | 570  |      |      |      |      |      |      |
|  | 重量<br>(Kg)         | 无导流孔 | 131 | 155 | 225 | 270  | 455  | 750  | 960  | 1270 | 1490 |      |      |      |      |      |      |
|  |                    | 有导流孔 | 135 | 161 | 240 | 290  | 486  | 800  | 1030 | 1360 | 1600 |      |      |      |      |      |      |

注：法兰连接尺寸见附表P45-P51RF size refer to the attachment list P45-P51

产品标准 product standard

- |               |   |
|---------------|---|
| API 6D        | 管道阀门 Pipeline valve   |
| JB/T5298      | 管线用钢制平板闸阀 Steel parallel plate valve for pipeline                     |
| ANSI B16.5a   | 管法兰及法兰管件 pipe flanges and flange pipes                                |
| JB/T79.1-79.2 | 整体铸钢管法兰 Whole cast steel flange                                       |
| GB/T13927     | 通用阀门 压力试验 Pressure test for universal valves                          |
| GB/T9092      | 阀门的检验与试验 Valve inspection and testing                                 |
| JB/TQ814      | 钢制平板闸阀产品质量分等 Steel parallel plate valve products quality grades ranks |

主要外型尺寸及重量 The prime out-form dimensions and weight

| 公称压力<br>Nominal<br>Pressure<br>PN(MPa) | 尺寸 Dimensions (mm) |      |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--|--------------------|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | DN(mm)             | 100  | 125 | 150 | 200  | 250  | 300  | 350  | 400  | 450  | 500  | 600  | 700  | 800  | 900  | 1000 |      |
| 1.0                                    | L                  | 229  | 254 | 267 | 292  | 330  | 356  | 381  | 406  | 432  | 457  | 508  | 610  | 660  | 711  | 811  |      |
|  | H                  | 770  | 870 | 965 | 1200 | 1360 | 1560 | 1740 | 1930 | 2160 | 2420 | 2800 | 3200 | 3640 | 4050 | 4467 |      |
|  | H1                 | 无导流孔 | 114 | 132 | 150  | 188  | 225  | 247  | 275  | 312  | 335  | 380  | 445  | 490  | 560  | 610  | 715  |
|  |                    | 有导流孔 | 214 | 257 | 300  | 388  | 475  | 547  | 625  | 712  | 785  | 880  | 1045 | 1190 | 1360 | 1510 | 1715 |
|  | 重量<br>(Kg)         | 无导流孔 | 87  | 130 | 140  | 175  | 275  | 350  | 510  | 610  | 830  | 1150 | 1780 | 2350 | 3380 | 4460 | 5740 |
|  |                    | 有导流孔 | 94  | 140 | 151  | 198  | 297  | 378  | 550  | 658  | 896  | 1240 | 1922 | 2530 | 3650 | 4817 | 6200 |
| 1.6                                    | L                  | 229  | 254 | 267 | 292  | 330  | 356  | 381  | 406  | 432  | 457  | 508  | 610  | 660  | 711  | 811  |      |
|  | H                  | 770  | 870 | 965 | 1200 | 1360 | 1560 | 1740 | 1930 | 2160 | 2420 | 2800 | 3200 | 3640 | 4050 | 4467 |      |
|  | H1                 | 无导流孔 | 114 | 132 | 150  | 188  | 225  | 247  | 275  | 312  | 335  | 380  | 445  | 490  | 560  | 610  | 715  |
|  |                    | 有导流孔 | 214 | 257 | 300  | 388  | 475  | 547  | 625  | 712  | 785  | 880  | 1045 | 1190 | 1360 | 1510 | 1715 |
|  | 重量<br>(Kg)         | 无导流孔 | 90  | 135 | 150  | 185  | 295  | 400  | 550  | 660  | 1030 | 1300 | 1950 | 3010 | 3800 | 5150 | 6360 |
|  |                    | 有导流孔 | 97  | 145 | 162  | 200  | 318  | 432  | 596  | 713  | 1100 | 1400 | 2100 | 3250 | 4100 | 5560 | 6868 |
| 2.5                                    | L                  | 229  | 254 | 267 | 292  | 330  | 356  | 381  | 406  | 432  | 457  | 508  | 610  | 660  | 711  | 811  |      |
|  | H                  | 770  | 870 | 965 | 1200 | 1370 | 1560 | 1740 | 1970 | 2260 | 2420 | 2800 | 3230 | 3640 | 4050 | 4467 |      |
|  | H1                 | 无导流孔 | 114 | 132 | 150  | 188  | 225  | 247  | 275  | 312  | 335  | 380  | 445  | 490  | 560  | 610  | 715  |
|  |                    | 有导流孔 | 214 | 257 | 300  | 388  | 475  | 547  | 625  | 712  | 785  | 880  | 1045 | 1190 | 1360 | 1510 | 1715 |
|  | 重量<br>(Kg)         | 无导流孔 | 95  | 145 | 163  | 200  | 330  | 420  | 575  | 735  | 1110 | 1380 | 2030 | 3210 | 4020 | 5320 | 6600 |
|  |                    | 有导流孔 | 103 | 156 | 176  | 216  | 356  | 450  | 621  | 794  | 1198 | 1490 | 2192 | 3466 | 4340 | 5745 | 7130 |

注：法兰连接尺寸见附表P45-P51RF size refer to the attachment list P45-P51



## 产品标准 product standard

|               |  |
|---------------|--|
| API 6D        | 管道阀门Pipeline valve   |
| JB/T5298      | 管线用钢制平板闸阀Steel parallel plate valve for pipeline                     |
| ANSI B16.5a   | 管法兰及法兰管件pipe flanges and flange pipes                                |
| JB/T79.1~79.2 | 整体铸钢管法兰Whole cast steel flange                                       |
| GB/T13927     | 通用阀门 压力试验Pressure test for universal valves                          |
| GB/T9092      | 阀门的检验与试验Valve inspection and testing                                 |
| JB/TQ814      | 钢制平板闸阀产品质量分等Steel parallel plate valve products quality grades ranks |