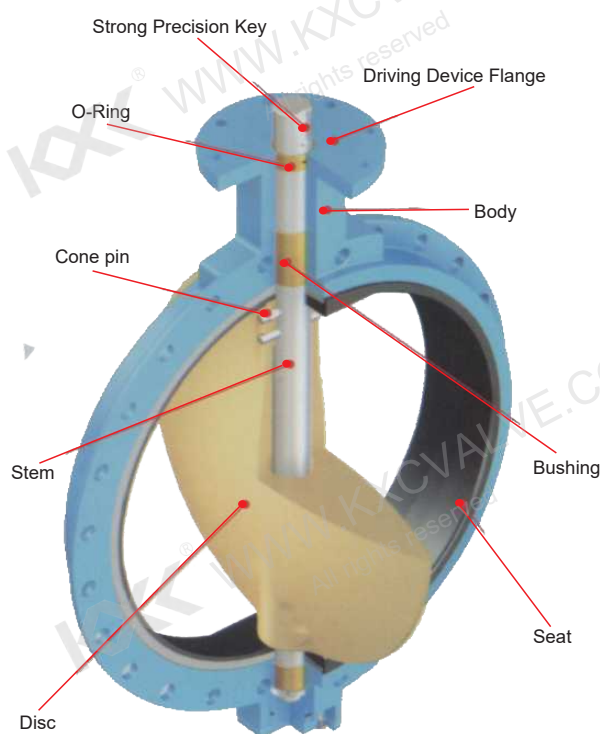


## 产品简介 Product Introduction

D<sup>3</sup><sub>6</sub><sub>9</sub> 71X large-size Wafer butterfly valve

蝶阀主要由阀体、转轴、阀板、阀座及驱动机构(手柄、蜗轮蜗杆、气动装置或电动装置)等组成,靠驱动机构带动轴及蝶板旋转以实现启闭和控制流量的目的。其特点如下:

The butterfly valve mainly consists of valve body, revolving axle, valve board, and valvseat, as well as driving mechanism(handle, worm and gear, pneumatic device or electric device), etc, which achieves hoisting, as well as dominant discharge by rotation of axle and butterfly-board driven by driving mechanism. The butterfly valve has the following characteristics:

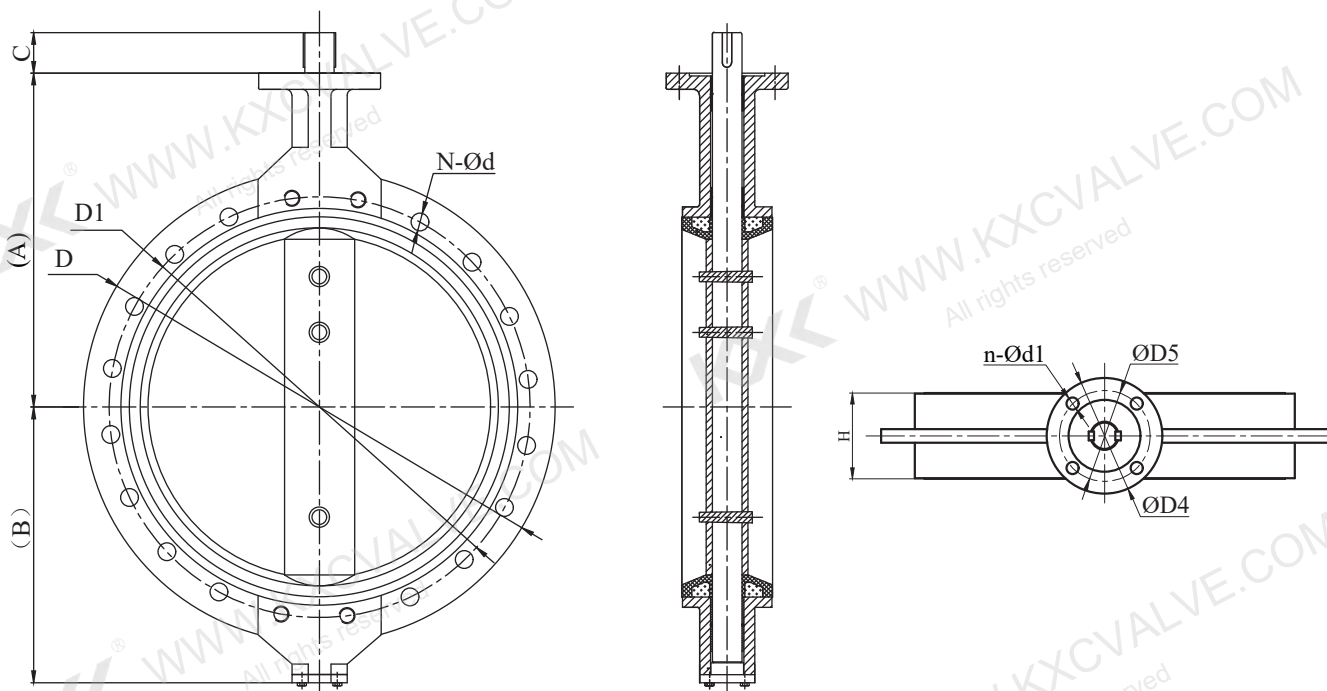
1. 结构简单紧凑、拆卸容易。  
Simple and compact structure, install and dismount.
2. 90°启闭。开关迅速。操作扭矩小,省力轻巧。  
90° hoisting, it can be quickly opened and closed. Small operation torque, saving strength and easy.
3. 密封性能好,使用寿命长,可达到零泄漏。  
Good sealing performance, long service life, which can achieve zero leakage.
4. 选择不同的零部件材质,可适用于多种介质。  
The butterfly chooses different parts materials, to be suitable for kinds of mediums.
5. 流量特性近似于直线。调节性能好。  
its flow characteristic approximates to straight line, which also has good adjustment

## 设计标准 Design standard

|                  |                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Code:     | BS5155, EN593, API609                                                                                                                                               |
| Size Range:      | DN600-1200, NPS 1"-48"                                                                                                                                              |
| Face to Face:    | BS5155, EN558, DIN3202, ISO5752, API609                                                                                                                             |
| End Flange:      | BS 4504 PN6/PN10/PN16, DIN2501 PN6/PN10/PN16, ISO 7005 PN6/PN10/PN16, JIS 5K/10K/16K, ASME B16.1 125LB, ASME B16.1 150LB, AS 2129 Table D and E, BS10 Table D and E |
| Top Flange:      | ISO5211(according to the customer's need)                                                                                                                           |
| Test inspection: | EN 12266-1, API 598, Table5                                                                                                                                         |

K201 对夹蝶阀  
K201 Wafer butterfly valve

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| DN   | INCH | A   | B   | C   | L±3 | PN10 |      |        | PN16 |      |        | 150 LB |        |        | ØD4 | ØD5 | n-Ød1 |
|------|------|-----|-----|-----|-----|------|------|--------|------|------|--------|--------|--------|--------|-----|-----|-------|
| mm   | in   |     |     |     |     | D    | D1   | N-Ød   | D    | D1   | N-Ød   | D      | D1     | N-Ød   |     |     |       |
| 600  | 24   | 561 | 452 | 70  | 154 | 780  | 725  | 20-Ø31 | 840  | 770  | 20-Ø37 | 813    | 749.5  | 20-Ø35 | 210 | 165 | 4-Ø22 |
| 650  | 26   | 551 | 468 | 82  | 165 |      |      |        |      |      |        | 867    | 806.5  | 24-Ø35 | 210 | 165 | 4-Ø22 |
| 700  | 28   | 640 | 523 | 82  | 165 | 895  | 840  | 24-Ø31 | 910  | 840  | 24-Ø37 | 927    | 863.6  | 28-Ø35 | 300 | 254 | 8-Ø18 |
| 750  | 30   | 656 | 546 | 82  | 190 |      |      |        |      |      |        | 984    | 914.5  | 28-Ø35 | 300 | 254 | 8-Ø18 |
| 800  | 32   | 681 | 581 | 82  | 190 | 1015 | 950  | 24-Ø34 | 1025 | 950  | 24-Ø40 | 1060.5 | 977.9  | 28-Ø41 | 300 | 254 | 8-Ø18 |
| 900  | 36   | 732 | 638 | 130 | 203 | 1115 | 1050 | 28-Ø34 | 1125 | 1050 | 28-Ø40 | 1169   | 1086   | 32-Ø41 | 300 | 254 | 8-Ø18 |
| 1000 | 40   | 820 | 705 | 130 | 216 | 1230 | 1160 | 28-Ø37 | 1255 | 1170 | 28-Ø43 | 1289   | 1200.2 | 36-Ø41 | 300 | 254 | 8-Ø18 |
| 1200 | 48   | 942 | 846 | 130 | 254 | 1455 | 1380 | 32-Ø40 | 1485 | 1390 | 32-Ø49 | 1511   | 1422.5 | 44-Ø41 | 350 | 298 | 8-Ø22 |

A and B only for reference, actual dimension may be a little different.

主要性能参数 Performance specification

| 公称压力<br>Nominal pressure | 公称通径<br>Nominal diameter | 试验压力(Mpa)<br>Test pressure | 适用介质<br>Applicable medium                                                                                                          | 驱动方式<br>Drive way                                                                      |
|--------------------------|--------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| PN(MPa)                  | DN(mm)                   | 壳体shell 密封Seal             |                                                                                                                                    |                                                                                        |
| 1.0                      | 600-1200                 | 1.5 1.1                    | 淡水、污水、海水、空气、蒸汽、食品、药品、各种油类、酸类、碱灯等。<br>Fresh water,sewage, seawater,air,steam, foodstuff,medicine, various oils,acks and alkais,etc. | 手柄、蜗轮蜗杆传动、电动、气动<br>Handle,worm and gear transmission, power-driven and being pneumatic |
| 1.6                      |                          | 2.4 1.76                   |                                                                                                                                    |                                                                                        |

## 产品简介 Product Introduction

# D<sup>3</sup><sub>6</sub><sub>9</sub> 71X Wafer butterfly valve



蝶阀主要由阀体、转轴、阀板、阀座及驱动机构(手柄、蜗轮蜗杆、气动装置或电动装置)等组成,靠驱动机构带动轴及蝶板旋转以实现启闭和控制流量的目的。其特点如下:

The butterfly valve mainly consists of valve body, revolving axle, valve board, and valvseat, as well as driving mechanism(handle, worm and gear, pneumatic device or electricdevice), etc, which achieves hoisting, as well as dominant discharge by rotation of axleand butterfly-board driven by driving mechanism.The butterfly valve has the following characteristics:

1. 结构简单紧凑、小巧轻便、运输、安装、拆卸容易。  
Simple and compact structure, small and light, being easy to transpot install anddismount.
2. 90启闭。开关迅速。操作扭矩小,省力轻巧。  
90 hoisting, it can be quickly opened and closed. Small operation torque, savingstrength and easy.
3. 密封性能好,使用寿命长,可达到零泄漏。  
Good sealing performance. long service life, which can achieve zero leakage.
4. 选择不同的零部件材质,可适用于多种介质。  
The butterfly chooses diferent parts materials, to be suitable for kinds of mediums.
5. 流量特性近似于直线。调节性能好。  
its flow characteristic approximates to straight line, which also has good adjustment

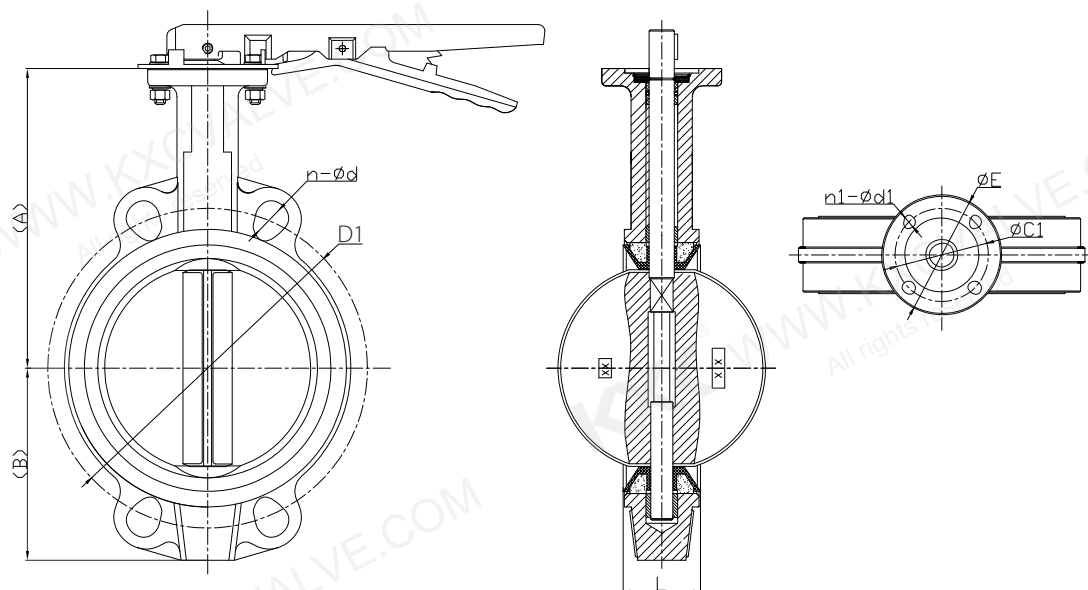
## 设计标准 Design standard

|                  |                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Code:     | BS5155, EN593, API609                                                                                                                                               |
| Size Range:      | DN25-1200, NPS 1"-48"                                                                                                                                               |
| Face to Face:    | EN558, DIN3202 K1, API609                                                                                                                                           |
| End Flange:      | BS 4504 PN6/PN10/PN16, DIN2501 PN6/PN10/PN16, ISO 7005 PN6/PN10/PN16, JIS 5K/10K/16K, ASME B16.1 125LB, ASME B16.1 150LB, AS 2129 Table D and E, BS10 Table D and E |
| Top Flange:      | ISO5211                                                                                                                                                             |
| Test inspection: | EN 12266-1, API 598, Table5                                                                                                                                         |

# K201 对夹蝶阀

## K201 Wafer butterfly valve

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| DN  | INCH | L±2 | A   | B   | ISO5211    |     |     |        | DIN2501 PN10 |        | DIN2501 PN16 |        | ANSI 150LB |          | JIS 10K |        |
|-----|------|-----|-----|-----|------------|-----|-----|--------|--------------|--------|--------------|--------|------------|----------|---------|--------|
| mm  | in   |     |     |     | TOP FLANGE | ØE  | ØC1 | n1-Ød1 | K            | n- Ø d | K            | n- Ø d | K          | n- Ø d   | K       | n- Ø d |
| 40  | 1.5  | 33  | 131 | 65  | F05        | 65  | 50  | 4-Ø8   | 110          | 4-Ø18  | 110          | 4-Ø18  | 98.5       | 4-Ø16    | 105     | 4-Ø19  |
| 50  | 2    | 43  | 161 | 67  | F05        | 65  | 50  | 4-Ø8   | 125          | 4-Ø18  | 125          | 4-Ø18  | 120.6      | 4-Ø19    | 120     | 4-Ø19  |
| 65  | 2.5  | 46  | 175 | 75  | F05        | 65  | 50  | 4-Ø8   | 145          | 4-19   | 145          | 4-19   | 139.7      | 4-Ø19    | 140     | 4-Ø19  |
| 80  | 3    | 46  | 181 | 96  | F05        | 65  | 50  | 4-Ø8   | 160          | 8-19   | 160          | 8-19   | 152.4      | 8-Ø19    | 150     | 8-Ø19  |
| 100 | 4    | 52  | 200 | 114 | F07        | 90  | 70  | 4-Ø10  | 180          | 8-19   | 180          | 8-19   | 190.5      | 8-Ø22.4  | 175     | 8-Ø19  |
| 125 | 5    | 56  | 213 | 129 | F07        | 90  | 70  | 4-Ø10  | 210          | 8-19   | 210          | 8-19   | 215.9      | 8-Ø22.4  | 210     | 8-Ø23  |
| 150 | 6    | 56  | 225 | 144 | F07        | 90  | 70  | 4-Ø10  | 240          | 8-23   | 240          | 8-23   | 241.3      | 8-Ø22.4  | 240     | 8-Ø23  |
| 200 | 8    | 60  | 260 | 167 | F10        | 125 | 102 | 4-Ø12  | 295          | 8-23   | 295          | 12-23  | 298.4      | 12-Ø25.4 | 290     | 12-Ø23 |
| 250 | 10   | 68  | 292 | 207 | F10        | 125 | 102 | 4-Ø12  | 350          | 12-23  | 355          | 12-28  | 361.9      | 12-Ø25.4 | 355     | 12-Ø25 |
| 300 | 12   | 78  | 337 | 237 | F10        | 125 | 102 | 4-Ø12  | 400          | 12-23  | 410          | 12-28  | 43.8       | 12-Ø25.4 | 400     | 16-Ø25 |
| 350 | 14   | 78  | 368 | 262 | F10        | 125 | 102 | 4-Ø12  | 460          | 16-23  | 470          | 16-28  | 476.2      | 12-Ø25.4 | 445     | 16-Ø25 |
| 400 | 16   | 102 | 400 | 297 | F14        | 175 | 140 | 4-Ø18  | 515          | 16-28  | 525          | 16-31  | 539.5      | 16-Ø29   | 510     | 16-Ø27 |
| 450 | 18   | 114 | 422 | 316 | F14        | 175 | 140 | 4-Ø18  | 565          | 20-28  | 585          | 20-31  | 578        | 16-Ø32   | 565     | 20-Ø27 |
| 500 | 20   | 127 | 480 | 355 | F14        | 175 | 140 | 4-Ø18  | 620          | 20-28  | 650          | 20-34  | 635        | 20-Ø32   | 620     | 20-Ø27 |
| 600 | 24   | 154 | 561 | 452 | F16        | 210 | 165 | 4-Ø22  | 725          | 20-31  | 770          | 20-37  | 749.3      | 20-Ø35   | 730     | 24-Ø33 |

A and B are only for reference, actual dimension may be a little different.

### 主要性能参数 Performance specification

| 公称压力<br>Nominal pressure | 公称通径<br>Nominal diameter | 试验压力(Mpa)<br>Test pressure |        | 适用介质<br>Applicable medium                                                                                                          | 驱动方式<br>Drive way                                                                      |
|--------------------------|--------------------------|----------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| PN(MPa)                  | DN(mm)                   | 壳体shell                    | 密封Seal |                                                                                                                                    |                                                                                        |
| 1.0                      | 25-1200                  | 1.5                        | 1.1    | 淡水、污水、海水、空气、蒸汽、食品、药品、各种油类、酸类、碱灯等。<br>Fresh water,sewage, seawater,air,steam, foodstuff,medicine, various oils,acks and alkais,etc. | 手柄、蜗轮蜗杆传动、电动、气动<br>Handle,worm and gear transmission, power-driven and being pneumatic |
| 1.6                      |                          | 2.4                        | 1.76   |                                                                                                                                    |                                                                                        |

## 产品简介 Product Introduction

# LTD71X lug type butterfly valve



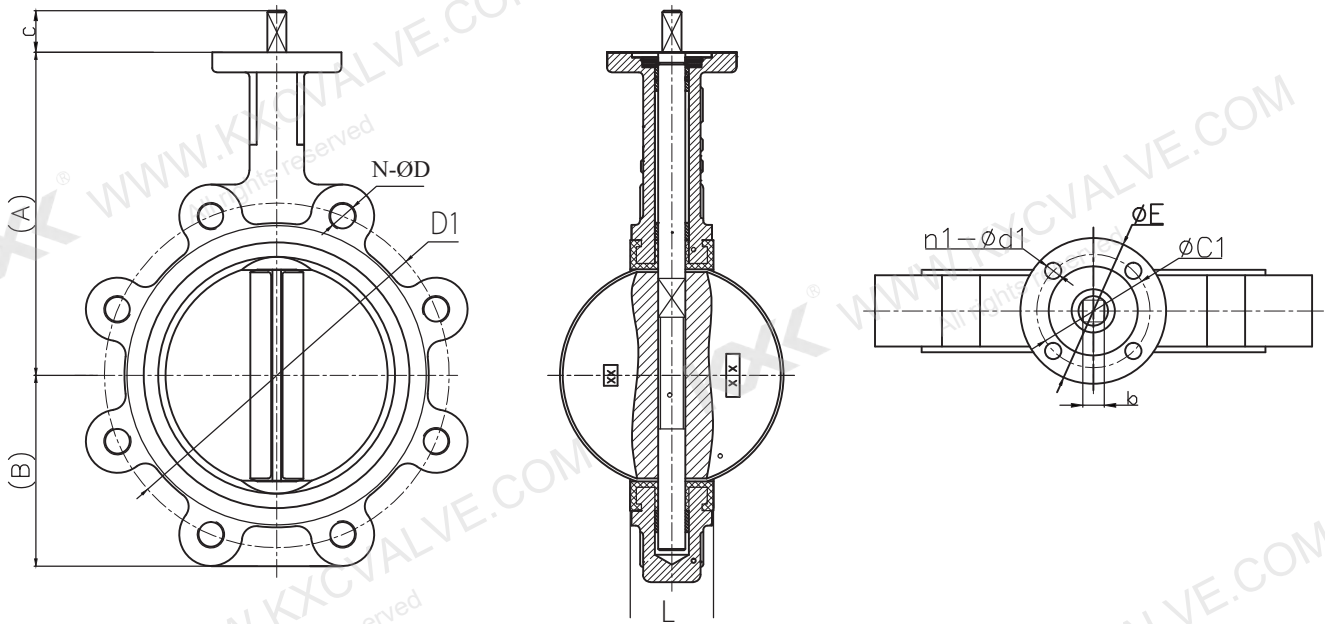
蝶阀主要由阀体、转轴、阀板、阀座及驱动机构(手柄、蜗轮蜗杆、气动装置或电动装置)等组成,靠驱动机构带动轴及蝶板旋转以实现启闭和控制流量的目的。其特点如下:

The butterfly valve mainly consists of valve body, revolving axle, valve board, and valvseat, as well as driving mechanism(handle, worm and gear, pneumatic device or electric device), etc, which achieves hoisting, as well as dominant discharge by rotation of axle and butterfly-board driven by driving mechanism. The butterfly valve has the following characteristics:

1. 结构简单紧凑、拆卸容易。  
Simple and compact structure, install and dismount.
2. 90°启闭。开关迅速。操作扭矩小,省力轻巧。  
90° hoisting, it can be quickly opened and closed. Small operation torque, saving strength and easy.
3. 密封性能好,使用寿命长,可达到零泄漏。  
Good sealing performance, long service life, which can achieve zero leakage.
4. 选择不同的零部件材质,可适用于多种介质。  
The butterfly chooses different parts materials, to be suitable for kinds of mediums.
5. 流量特性近似于直线。调节性能好。  
its flow characteristic approximates to straight line, which also has good adjustment

## 设计标准 Design standard

Design Code: BS5155, EN593, API609  
Size Range: DN50-DN600, NPS2"-24"  
Face to Face: BS5155, ISO5752, EN558, DIN3202, API609  
End Flange: BS 4504 PN6/PN10/PN16, DIN2501 PN6/PN10/PN16, ISO 7005 PN6/PN10/PN16, JIS 5K/10K/16K, ASME B16.1 125LB, ASME B16.1 150LB, AS 2129 Table D and E, BS10 Table D and E  
Top Flange: ISO5211(according to the customer's need)  
Test inspection: EN 12266-1, API 598, Table5



| DN  | INCH |         |     |     |         | D1      | N-ØD   |        | ISO5211    |     |     |        |
|-----|------|---------|-----|-----|---------|---------|--------|--------|------------|-----|-----|--------|
| mm  | in   | L±2     | A   | B   | C       | PN10/16 | PN10   | PN16   | TOP FLANGE | ØE  | ØC1 | n1-Ød1 |
| 50  | 2    | 43      | 161 | 80  | 32      | 125     | 4-Ø16  | 4-Ø16  | F05        | 65  | 50  | 4-Ø8   |
| 65  | 2.5  | 46      | 175 | 89  | 32      | 145     | 4-Ø16  | 4-Ø16  | F05        | 65  | 50  | 4-Ø8   |
| 80  | 3    | 46      | 181 | 95  | 32      | 160     | 8-Ø16  | 8-Ø16  | F05        | 65  | 50  | 4-Ø8   |
| 100 | 4    | 52      | 200 | 114 | 32      | 180     | 8-Ø16  | 8-Ø16  | F07        | 90  | 70  | 4-Ø10  |
| 125 | 5    | 56      | 213 | 127 | 32      | 210     | 8-Ø16  | 8-Ø16  | F07        | 90  | 70  | 4-Ø10  |
| 150 | 6    | 56      | 226 | 139 | 32      | 240     | 8-Ø20  | 8-Ø20  | F07        | 90  | 70  | 4-Ø10  |
| 200 | 8    | 60      | 260 | 175 | 45      | 295     | 8-Ø20  | 12-Ø20 | F10        | 125 | 102 | 4-Ø12  |
| 250 | 10   | 68      | 292 | 203 | 45      | 350/355 | 12-Ø20 | 12-Ø24 | F10        | 125 | 102 | 4-Ø12  |
| 300 | 12   | 78      | 337 | 242 | 45      | 400/410 | 12-Ø20 | 12-Ø24 | F10        | 125 | 102 | 4-Ø12  |
| 350 | 14   | 78      | 368 | 267 | 45      | 460/470 | 16-Ø20 | 16-Ø24 | F10        | 125 | 102 | 4-Ø12  |
| 400 | 16   | 86/102  | 400 | 309 | 51.2/72 | 515/525 | 16-Ø24 | 16-Ø27 | F14        | 175 | 140 | 4-Ø18  |
| 450 | 18   | 105/114 | 422 | 328 | 51.2/72 | 565/585 | 20-Ø24 | 20-Ø27 | F14        | 175 | 140 | 4-Ø18  |
| 500 | 20   | 127     | 480 | 361 | 57/82   | 620/650 | 20-Ø24 | 20-Ø30 | F14        | 175 | 140 | 4-Ø18  |
| 600 | 24   | 154     | 562 | 459 | 70.2/82 | 725/770 | 20-Ø27 | 20-Ø33 | F16        | 210 | 165 | 4-Ø22  |

A and B only for reference, actual dimension may be a little different.

### 主要性能参数 Performance specification

| 公称压力<br>Nominal pressure | 公称通径<br>Nominal diameter | 试验压力(Mpa)<br>Test pressure |        | 适用介质<br>Applicable medium                                                                                                          | 驱动方式<br>Drive way                                                                      |
|--------------------------|--------------------------|----------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| PN(MPa)                  | DN(mm)                   | 壳体shell                    | 密封Seal |                                                                                                                                    |                                                                                        |
| 1.0                      | 50-600                   | 1.5                        | 1.1    | 淡水、污水、海水、空气、蒸汽、食品、药品、各种油类、酸类、碱灯等。<br>Fresh water,sewage, seawater,air,steam, foodstuff,medicine, various oils,acks and alkais,etc. | 手柄、蜗轮蜗杆传动、电动、气动<br>Handle,worm and gear transmission, power-driven and being pneumatic |
| 1.6                      |                          | 2.4                        | 1.76   |                                                                                                                                    |                                                                                        |

## 产品简介 Product Introduction

# LTD71X Semi-Lug type butterfly valve



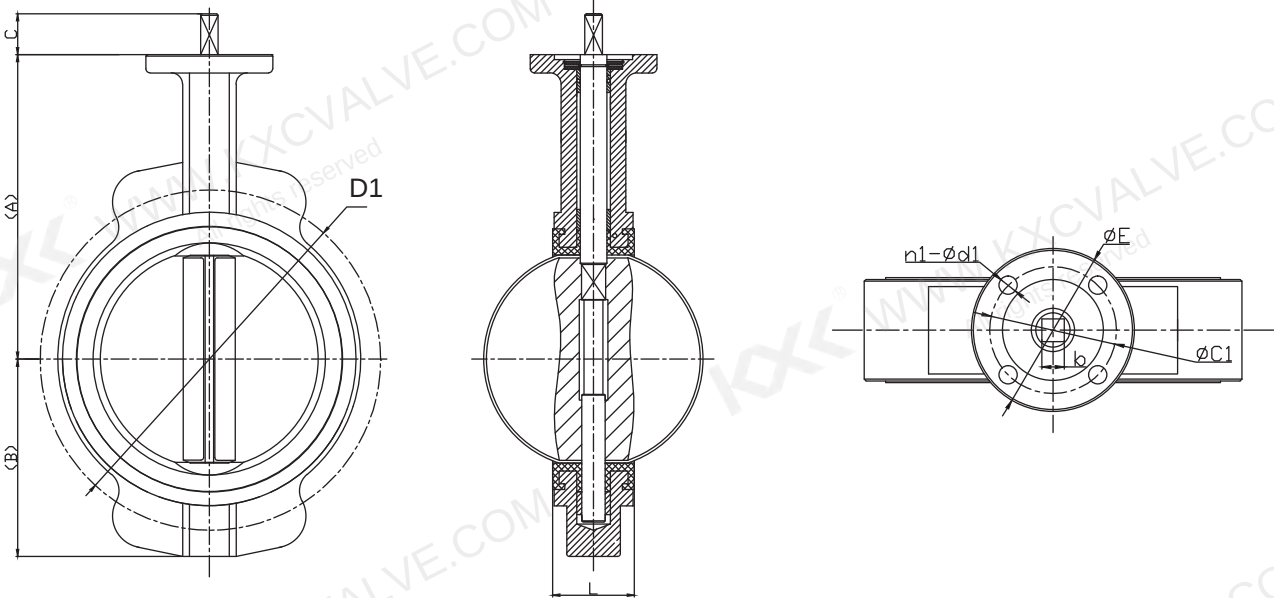
蝶阀主要由阀体、转轴、阀板、阀座及驱动机构(手柄、蜗轮蜗杆、气动装置或电动装置)等组成，靠驱动机构带动轴及蝶板旋转以实现启闭和控制流量的目的。其特点如下：

The butterfly valve mainly consists of valve body, revolving axle, valve board, and valvseat, as well as driving mechanism(handle, worm and gear, pneumatic device or electric device), etc, which achieves hoisting, as well as dominant discharge by rotation of axle and butterfly-board driven by driving mechanism. The butterfly valve has the following characteristics:

1. 结构简单紧凑、拆卸容易。  
Simple and compact structure, install and dismount.
2. 90°启闭。开关迅速。操作扭矩小，省力轻巧。  
90° hoisting, it can be quickly opened and closed. Small operation torque, saving strength and easy.
3. 密封性能好，使用寿命长，可达到零泄漏。  
Good sealing performance, long service life, which can achieve zero leakage.
4. 选择不同的零部件材质，可适用于多种介质。  
The butterfly chooses different parts materials, to be suitable for kinds of mediums.
5. 流量特性近似于直线。调节性能好。  
its flow characteristic approximates to straight line, which also has good adjustment

## 设计标准 Design standard

|                  |                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Code:     | BS5155, EN593, API609                                                                                                                                               |
| Size Range:      | DN50-DN300, NPS2"-12"                                                                                                                                               |
| Face to Face:    | BS5155, ISO5752, EN558, DIN3202, API609                                                                                                                             |
| End Flange:      | BS 4504 PN6/PN10/PN16, DIN2501 PN6/PN10/PN16, ISO 7005 PN6/PN10/PN16, JIS 5K/10K/16K, ASME B16.1 125LB, ASME B16.1 150LB, AS 2129 Table D and E, BS10 Table D and E |
| Top Flange:      | ISO5211(according to the customer's need)                                                                                                                           |
| Test inspection: | EN 12266-1, API 598, Table5                                                                                                                                         |



| DN  | INCH | L±2 | A   | B   | C  | D1      | ISO5211    |     |     |         |
|-----|------|-----|-----|-----|----|---------|------------|-----|-----|---------|
| mm  | in   |     |     |     |    | PN10/16 | TOP FLANGE | ØE  | ØC1 | n1-Ø d1 |
| 50  | 2    | 43  | 161 | 67  | 32 | 125     | F05        | 65  | 50  | 4-Ø8    |
| 65  | 2.5  | 46  | 166 | 75  | 32 | 145     | F05        | 65  | 50  | 4-Ø8    |
| 80  | 3    | 46  | 173 | 96  | 32 | 160     | F05        | 65  | 50  | 4-Ø8    |
| 100 | 4    | 52  | 187 | 114 | 32 | 180     | F07        | 90  | 70  | 4-Ø10   |
| 125 | 5    | 56  | 194 | 126 | 32 | 210     | F07        | 90  | 70  | 4-Ø10   |
| 150 | 6    | 56  | 216 | 140 | 32 | 240     | F07        | 90  | 70  | 4-Ø10   |
| 200 | 8    | 60  | 256 | 164 | 45 | 295     | F10        | 125 | 102 | 4-Ø12   |
| 250 | 10   | 68  | 286 | 205 | 45 | 350/355 | F10        | 125 | 102 | 4-Ø12   |
| 300 | 12   | 78  | 327 | 237 | 45 | 400/410 | F10        | 125 | 102 | 4-Ø12   |

主要技术参数 Main technical parameters

| 公称压力<br>Nominal pressure | 公称通径<br>Nominal diameter | 试验压力<br>Test pressure |         | 工作温度<br>Temperature | 适用介质<br>Medium                                              |
|--------------------------|--------------------------|-----------------------|---------|---------------------|-------------------------------------------------------------|
|                          |                          | 壳体 Shell              | 密封 Seal |                     |                                                             |
| 1.0                      | 50-300                   | 1.5                   | 1.1     | ≤80℃                | 清水、源水、污水、<br>空气、油品<br>Water、Source Water、<br>Sewage、Air、Oil |
| 1.6                      |                          | 2.4                   | 1.76    |                     |                                                             |

## 产品简介 Product Introduction



**D<sup>3</sup><sub>6</sub><sub>9</sub>41X** double flange butterfly valve



法兰连接中心板式蝶阀综合了偏心法兰蝶阀和对夹蝶阀的部分优点，填补了偏心法兰蝶阀与对夹蝶阀之间的一块空白。

The flange connection centre plate butterfly valve, which combines advantages of eccentric flange butterfly valve and wafer butterfly valve. It is an alternative choice besides eccentric flange butterfly valve and wafer butterfly valve.

1、双向密封性能优良，扭矩值小，零件加工性能优越。

Both sides of sealing performance are choiceness, and the torque value is small, also the performance of machining parts is superior.

2、流量特性趋于直线。调节性能好。

The flow characteristic tends to be straight line, it also has good adjusting performance.

3、法兰连接安装便捷。立式、卧式安装均可。

The flange connection is convenient for installation, which can be installed vertically or horizontal.

4、密封副材料的多样性，可供用户选择。

The variety of sealing materials makes it selected by customers.

5、阀门可用于管端作放空阀用，性能可靠。

The valve can be used for emptying valve at the end of pipe, which has reliable performance.

6、阀座密封圈与阀体有机地结合为一体。使阀门具有较长的使用寿命。

The seal ring of valve seat combines with valve body organically. In this way the valve has longer service life.

7、抗冲刷性能强。适应较恶劣工况环境，可用于介质截断和调节。

It has strong performance of erosion resistance, which can be used for cut off and adjustment and is suitable in poor working condition.

## 设计标准 Design standard

Design Code: BS5155, EN593, API609

Size Range: DN50-DN1500, NPS2"-58"

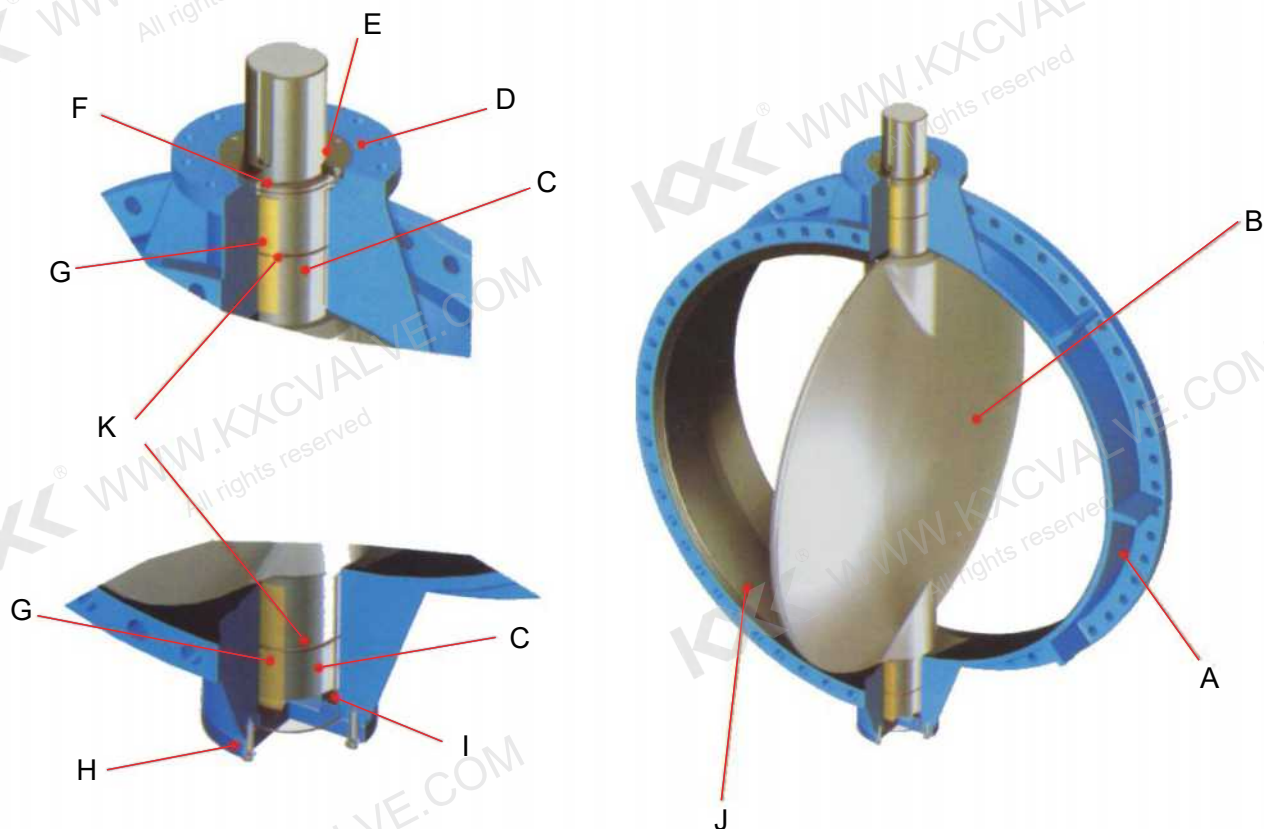
Face to Face: BS5155, EN558, DIN3202, ISO5752, API609

End Flange: BS 4504 PN6/PN10/PN16, DIN2501 PN6/PN10/PN16, ISO 7005 PN6/PN10/PN16, JIS 5K/10K/16K, ASME B16.1 125LB, ASME B16.1 150LB, AS 2129 Table D and E, BS10 Table D and E

Top Flange: ISO5211(according to the customer's need)

Test inspection: EN 12266-1, API 598

法兰连接中心板蝶阀剖面图 Profile map of flange connection centre plate butterfly valve



|                                                                                                                       |                                                                                                                        |                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>A: 阀体</b><br>结构短。重量轻，强度高，可适用对夹(小口径)与法兰连接。                                                                          | <b>E: 填料压盖</b><br>通过压紧。可有效防止轴端渗漏。                                                                                      | <b>I: 减磨垫</b><br>可防止轴端的磨损。降低转动力矩，保证阀轴的正确位置。                                                                                            |
| <b>Body</b><br>Short in structure,light in weight,high strength, apply to wafer(small diameter)and flange connection. | <b>Packing Gland</b><br>Through press the packing,can prevent stem end from leakage.                                   | <b>Wearing Washer</b><br>Prevent the shaft end from wearing,reduce rotation torque,and assure the disc fight position                  |
| <b>B: 阀板</b><br>高强度阀板。经过精密加工可完全达到双向承压零泄漏的要求。                                                                          | <b>F: 密封环</b><br>阀轴第二道轴向密封，防止杂质进入并有效的保护了阀轴。                                                                            | <b>J: 阀座密封圈</b><br>固定在阀体上的高质量橡胶圈可达到零泄漏，阀门与法兰连接时无需加入垫片。                                                                                 |
| <b>Disc</b><br>High strength disc with precise machining, assure Bi-direction pressure beannng and no leakage.        | <b>Sealing Ring</b><br>The secondary shaft seal prevents from impurities and protects the shaft.                       | <b>Seat Sealing Ring</b><br>High quality rubber ring.fixed on body,assures no leakage.No more washers when valve connects with flange. |
| <b>C: 阀轴</b><br>高强度不锈钢阀轴可有效的传递力矩。                                                                                     | <b>G: 轴套</b><br>由润滑且摩擦系数小的材料制成。有效的支承阀轴并降低转动力矩。                                                                         | <b>K: O型圈</b><br>作为辅助密封，可防止轴端泄漏。                                                                                                       |
| <b>Shaft</b><br>High strength stainless steel shaft can deliver torque effectively.                                   | <b>Bushing</b><br>Made of lubricant and small friction coefficient material, support shaft and reduce rotation torque. | <b>O-Ring</b><br>Applied as secondary seal, prevent shaft end leakage.                                                                 |
| <b>D: 上法兰</b><br>可与各种连接标准的传动装置相联。                                                                                     | <b>H: 底端盖</b><br>通过减磨垫及阀轴能有效的支承阀板，防止阀板下垂。保证阀门的密封性能。                                                                    |                                                                                                                                        |
| <b>Upper Flange</b><br>Avaliable in actuators with various connection standards.                                      | <b>Bottom Cover</b><br>Support disc by wearing washer and shaft, prevent falling and assure sealing performance.       |                                                                                                                                        |

主要零部件材质 Main parts material

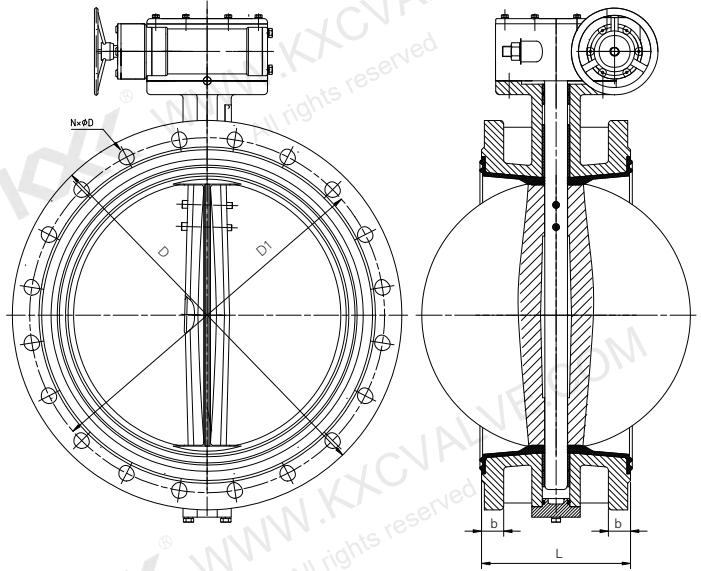
| 序号NO. | 零件 Part    | 材质 Material                           | 备注 Remarks    |
|-------|------------|---------------------------------------|---------------|
| 1     | 阀体Body     | 灰铸铁 Cast Iron                         |               |
|       |            | 球墨铸铁 Ductile Iron                     |               |
|       |            | 碳钢 Carbon steel                       |               |
|       |            | 不锈钢 Stainless steel 304S              |               |
|       |            | 不锈钢 Stainless steel 316S              |               |
|       |            | 铸铝 Cast aluminium                     |               |
| 2     | 阀板Disc     | 球铁尼龙 Coated nylon                     |               |
|       |            | 球铁镀镍 Coated nickle                    |               |
|       |            | 不锈钢 Stainless steel 304S              |               |
|       |            | 不锈钢 Stainless steel 316S              |               |
|       |            | 双相合金钢 Duplex stainless steel          |               |
|       |            | 铝青铜 Aluminum bronze                   |               |
| 3     | 阀座Seat     | 丁晴橡胶 NBR                              | 0° ~ 80°C     |
|       |            | 三元乙丙橡胶 EPDM                           | -20 ~ 120°C   |
|       |            | 耐热乙丙橡胶 Heat proof EPDM                | -20° ~ 140C   |
|       |            | 氯丁橡胶 Neoprene                         | -0° ~ 80°C    |
|       |            | 硅橡胶 Silicone rubber                   | -20° ~ 180°C  |
|       |            | 氟橡胶 Fluororubber                      | -18° ~ 204°C  |
|       |            | 聚四氟乙烯 PTFE                            | -250° ~ 250°C |
| 5     | 转轴 Shaft   | SS36/SS42/SS431/SMonel K500/Duplex SS |               |
| 6     | O型环 O-ring | NBR/EPDM/VITON                        |               |

主要性能参数 Main performance parameter

|                                  |         |                                                                                       |             |
|----------------------------------|---------|---------------------------------------------------------------------------------------|-------------|
| 公称压力. PN(MPa)<br>Nomina pressure |         | DN50~DN1400                                                                           | DN50~DN1400 |
| 公称通径DN(mm)<br>Nominal dimeter    |         | PN10                                                                                  | PN16        |
| 试验压力<br>Test pressure<br>(MPa)   | 壳体shell | 1.5                                                                                   | 2.4         |
|                                  | 密封seal  | 1.1                                                                                   | 1.76        |
| 适用温度°C<br>Suitable temperature   |         | -15°C~+110°C                                                                          |             |
| 适用介质<br>Applicable medium        |         | 淡水、污水、海水、空气、食品。各种油类等<br>Freshwater,sewage,seawater,air,steam,various oils             |             |
| 驱动方式Drive way                    |         | 手柄, 蜗轮蜗杆, 气动或电动装置<br>Handle,worm and gear transmission,power-dnven and being pneumati |             |



主要外形尺寸 Main contour size



| DN   | INCH | PN10 |      |        |      | PN16 |      |        |      | 125/150LB |        |        |      | L   |
|------|------|------|------|--------|------|------|------|--------|------|-----------|--------|--------|------|-----|
| mm   | in   | D    | D1   | N-ØD   | b    | D    | D1   | N-ØD   | b    | D         | D1     | N-ØD   | b    |     |
| 50   | 2    | 165  | 125  | 4-Ø19  | 19   | 165  | 125  | 4-Ø19  | 19   | 152       | 120.7  | 4-Ø19  | 15.9 | 108 |
| 65   | 2.5  | 185  | 145  | 4-Ø19  | 19   | 185  | 145  | 4-Ø19  | 19   | 178       | 139.7  | 4-Ø19  | 17.5 | 112 |
| 80   | 3    | 200  | 160  | 8-Ø19  | 19   | 200  | 160  | 8-Ø19  | 19   | 191       | 152.4  | 4-Ø19  | 19   | 114 |
| 100  | 4    | 220  | 180  | 8-Ø19  | 19   | 220  | 180  | 8-Ø19  | 19   | 229       | 19.5   | 8-Ø19  | 20.6 | 127 |
| 125  | 5    | 250  | 210  | 8-Ø19  | 19   | 250  | 210  | 8-Ø19  | 19   | 254       | 215.9  | 8-Ø22  | 23.8 | 140 |
| 150  | 6    | 285  | 240  | 8-Ø19  | 19   | 285  | 240  | 8-Ø19  | 19   | 279       | 241.3  | 8-Ø22  | 23.8 | 140 |
| 200  | 8    | 340  | 295  | 8-Ø23  | 20   | 340  | 295  | 12-Ø23 | 20   | 343       | 298.5  | 8-Ø22  | 25.4 | 152 |
| 250  | 10   | 395  | 350  | 8-Ø23  | 22   | 405  | 355  | 12-Ø28 | 22   | 406       | 362    | 12-Ø25 | 28.6 | 165 |
| 300  | 12   | 445  | 400  | 12-Ø23 | 24.5 | 460  | 410  | 12-Ø28 | 24.5 | 483       | 431.8  | 12-Ø25 | 30.2 | 178 |
| 350  | 14   | 505  | 460  | 16-Ø23 | 24.5 | 520  | 470  | 16-Ø28 | 26.5 | 533       | 476.3  | 12-Ø29 | 31.8 | 190 |
| 400  | 16   | 565  | 515  | 16-Ø28 | 24.5 | 580  | 525  | 16-Ø31 | 28   | 597       | 539.8  | 16-Ø29 | 32.4 | 216 |
| 450  | 18   | 615  | 565  | 20-Ø28 | 25.5 | 640  | 585  | 20-Ø31 | 30   | 635       | 577.9  | 16-Ø32 | 36.5 | 222 |
| 500  | 20   | 670  | 620  | 20-Ø31 | 26.5 | 715  | 650  | 20-Ø34 | 31.5 | 700       | 635    | 20-Ø32 | 39.7 | 229 |
| 600  | 24   | 780  | 725  | 24-Ø31 | 30   | 840  | 770  | 20-Ø37 | 36   | 815       | 749.3  | 20-Ø35 | 42.9 | 267 |
| 700  | 28   | 895  | 840  | 24-Ø31 | 32.5 | 910  | 840  | 24-Ø37 | 39.5 | 927       | 863.6  | 28-Ø35 | 47.6 | 292 |
| 800  | 32   | 1015 | 950  | 24-Ø34 | 35   | 1025 | 950  | 24-Ø40 | 43   | 1060.5    | 978    | 28-Ø42 | 54   | 318 |
| 900  | 36   | 1115 | 1050 | 28-Ø34 | 37.5 | 1125 | 1050 | 28-Ø40 | 46.5 | 1168.4    | 1085.9 | 32-Ø41 | 60.3 | 330 |
| 1000 | 40   | 1230 | 1160 | 28-Ø37 | 40   | 1255 | 1170 | 28-Ø43 | 50   | 1289      | 1200   | 36-Ø42 | 66.7 | 410 |
| 1200 | 48   | 1455 | 1380 | 32-Ø49 | 45   | 1485 | 1390 | 32-Ø49 | 57   | 1543      | 1422.4 | 44-Ø41 | 69.9 | 470 |

## 产品简介 Product Introduction

### “U” Type Butterfly Valve



- 1、结构简单，互换性好，价格低廉。  
Simple structure, good inter change ability, and low price.
- 2、阀座橡胶越少，膨胀的可能性就越小，并且更容易将扭矩控制在适当的范围内。  
With less seat rubber, there is less potential for expansion and it is easier to control the torque within the proper range.
- 3、采用无销连接的两片式阀杆，结构简单紧凑，维护和拆卸非常方便。  
The use of two-piece valve stems with no pin connection, the structure is simple and compact, and maintenance and disassembly are very convenient.
- 4、密封副材料的多样性，可供用户选择。  
The variety of sealing materials makes it selected by customers.
- 5、阀门可用于管端作放空阀用，性能可靠。  
The valve can be used for emptying valve at the end of pipe, which has reliable performance.
- 6、阀座密封圈与阀体有机地结合为一体，使阀门具有较长的使用寿命。  
The seal ring of valve seat combines with valve body organically. In this way the valve has longer service life.
- 7、抗冲刷性能强。适应较恶劣工况环境，可用于介质截断和调节。  
It has strong performance of erosion resistance, which can be used for cut off and adjustment and is suitable in poor working condition.

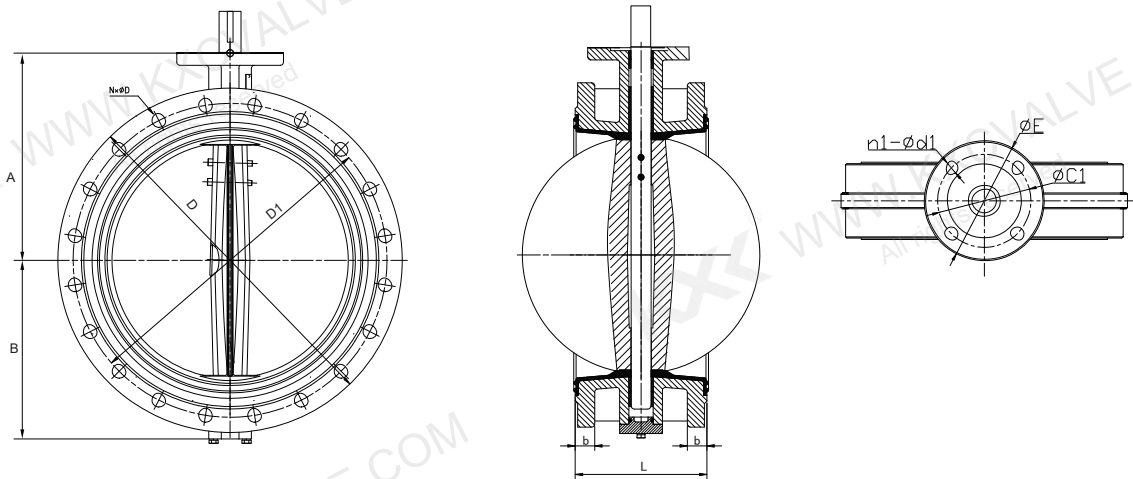
## 设计标准 Design standard

|                  |                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Code:     | BS5155, EN593, API609                                                                                                                                               |
| Size Range:      | DN50-DN2000, NPS2"-80"                                                                                                                                              |
| Face to Face:    | BS5155, EN558, DIN3202, ISO5752, API609                                                                                                                             |
| End Flange:      | BS 4504 PN6/PN10/PN16, DIN2501 PN6/PN10/PN16, ISO 7005 PN6/PN10/PN16, JIS 5K/10K/16K, ASME B16.1 125LB, ASME B16.1 150LB, AS 2129 Table D and E, BS10 Table D and E |
| Top Flange:      | ISO5211(according to the customer's need)                                                                                                                           |
| Test inspection: | EN 12266-1, API 598                                                                                                                                                 |

K202 “U” 型蝶阀  
K202 “U” Type Butterfly Valve



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



| DN   | INCH | L±2 | A    | B    | ISO5211 |     |        | PN10 |      |        | PN16 |      |        |
|------|------|-----|------|------|---------|-----|--------|------|------|--------|------|------|--------|
|      |      |     |      |      | ØE      | ØC1 | n1-Ød1 | D    | D1   | n- Ød  | D    | D1   | n- Ød  |
| 50   | 2    | 43  | 131  | 67   | 65      | 50  | 4-Ø8   | 165  | 125  | 4-Ø18  | 165  | 125  | 4-Ø19  |
| 65   | 2.5  | 46  | 161  | 75   | 65      | 50  | 4-Ø8   | 185  | 145  | 4-Ø18  | 185  | 145  | 4-Ø19  |
| 80   | 3    | 46  | 175  | 96   | 65      | 50  | 4-Ø8   | 200  | 160  | 8-Ø18  | 200  | 160  | 8-Ø19  |
| 100  | 4    | 52  | 181  | 114  | 90      | 70  | 4-Ø10  | 220  | 180  | 8-Ø18  | 220  | 180  | 8-Ø19  |
| 125  | 5    | 56  | 200  | 129  | 90      | 70  | 4-Ø10  | 250  | 210  | 8-Ø18  | 250  | 210  | 8-Ø19  |
| 150  | 6    | 56  | 213  | 144  | 90      | 70  | 4-Ø10  | 285  | 240  | 8-Ø18  | 285  | 240  | 8-Ø23  |
| 200  | 8    | 60  | 225  | 167  | 125     | 102 | 4-Ø12  | 340  | 295  | 8-Ø23  | 340  | 295  | 12-Ø23 |
| 250  | 10   | 68  | 260  | 207  | 125     | 102 | 4-Ø12  | 395  | 350  | 12-Ø23 | 405  | 355  | 12-Ø28 |
| 300  | 12   | 78  | 292  | 237  | 125     | 102 | 4-Ø12  | 445  | 400  | 12-Ø23 | 460  | 410  | 12-Ø28 |
| 350  | 14   | 78  | 337  | 262  | 125     | 102 | 4-Ø12  | 505  | 460  | 16-Ø23 | 520  | 470  | 16-Ø28 |
| 400  | 16   | 102 | 368  | 320  | 175     | 140 | 4-Ø18  | 565  | 515  | 16-Ø28 | 580  | 525  | 16-Ø31 |
| 450  | 18   | 114 | 400  | 360  | 175     | 140 | 4-Ø18  | 615  | 565  | 20-Ø28 | 640  | 585  | 20-Ø31 |
| 500  | 20   | 127 | 455  | 390  | 175     | 140 | 4-Ø18  | 670  | 620  | 20-Ø28 | 715  | 650  | 20-Ø34 |
| 600  | 24   | 154 | 520  | 450  | 210     | 165 | 4-Ø22  | 780  | 725  | 20-Ø31 | 840  | 770  | 20-Ø37 |
| 700  | 28   | 165 | 580  | 505  | 300     | 254 | 8-Ø18  | 895  | 840  | 24-Ø31 | 910  | 840  | 24-Ø37 |
| 800  | 32   | 190 | 670  | 560  | 300     | 254 | 8-Ø18  | 1015 | 950  | 24-Ø34 | 1025 | 950  | 24-Ø40 |
| 900  | 36   | 203 | 705  | 630  | 300     | 254 | 8-Ø18  | 1115 | 1050 | 28-Ø34 | 1125 | 1050 | 28-Ø40 |
| 1000 | 40   | 216 | 780  | 670  | 300     | 254 | 8-Ø18  | 1230 | 1160 | 28-Ø37 | 1255 | 1170 | 28-Ø43 |
| 1200 | 48   | 254 | 910  | 790  | 350     | 298 | 8-Ø22  | 1340 | 1270 | 32-Ø37 | 1355 | 1270 | 32-Ø43 |
| 1400 | 56   | 279 | 1017 | 993  | 415     | 356 | 8-Ø33  | 1455 | 1380 | 32-Ø40 | 1485 | 1390 | 32-Ø49 |
| 1500 | 60   | 318 | 1080 | 1040 | 415     | 356 | 8-Ø33  | 1675 | 1590 | 36-Ø43 | 1685 | 1590 | 36-Ø49 |
| 1600 | 64   | 318 | 1150 | 1132 | 475     | 406 | 8-Ø40  | 1915 | 1820 | 40-Ø49 | 1930 | 1820 | 40-Ø56 |
| 1800 | 72   | 356 | 1280 | 1270 | 560     | 483 | 12-Ø40 | 2115 | 2020 | 44-Ø49 | 2130 | 2020 | 44-Ø56 |
| 2000 | 80   | 406 | 1390 | 1350 | 560     | 483 | 12-Ø40 | 2325 | 2230 | 48-Ø49 | 2345 | 2230 | 48-Ø62 |

A and B only for reference, actual dimension may be a little different.

主要性能参数 Performance specification

| 公称压力<br>Nominal pressure | 公称通径<br>Nominal diameter | 试验压力(Mpa)<br>Test pressure | 适用介质<br>Applicable medium                                                                                                          | 驱动方式<br>Drive way                                                                      |
|--------------------------|--------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| PN(MPa)                  | DN(mm)                   | 壳体shell 密封Seal             |                                                                                                                                    |                                                                                        |
| 1.0                      | 50-2000                  | 1.5 1.1                    | 淡水、污水、海水、空气、蒸汽、食品、药品、各种油类、酸类、碱灯等。<br>Fresh water,sewage, seawater,air,steam, foodstuff,medicine, various oils,acks and alkais,etc. | 手柄、蜗轮蜗杆传动、电动、气动<br>Handle,worm and gear transmission, power-driven and being pneumatic |
| 1.6                      |                          | 2.4 1.76                   |                                                                                                                                    |                                                                                        |

产品简介 Product Introduction

$D_{69}^{36}42X$

Soft seal double eccentric flange butterfly valve



本蝶阀系我厂最新研制的软密封偏心法兰蝶阀，主要适用于水厂、电厂、钢厂冶炼、造纸、化工、水源工程、环境设施建设等系统供排水用，尤其适用于水道管路上作为调节和截流设备使用。

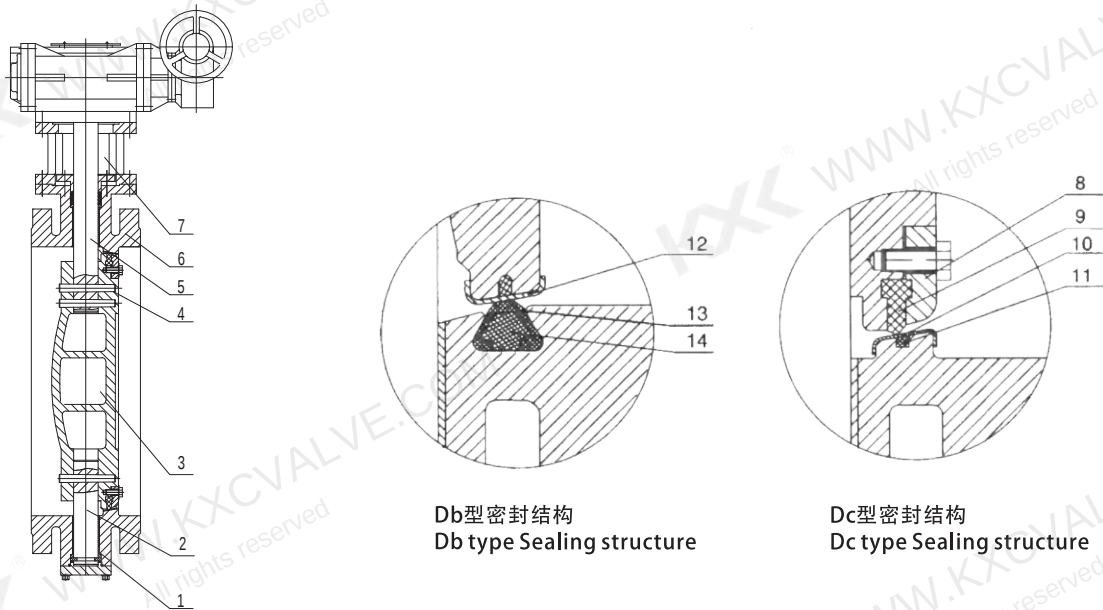
This butterfly valve is newest soft seal double eccentric flange butterfly valve produced by our factory, which is mainly used for systems of waterworks, power plant, steel mill smeltina, papermakina, chemical industry, water source project and environmental infrastructure development, etc to drain off water, especially suitable as devices of adjusting and stop-check on the waterway pipe.

1. 设计合理、结构紧凑、装拆容易，便于维修。  
Reasonable design, compact structure, installing and dismantling easily, convenient in maintenance.
2. 采用偏心结构，减少密封圈的摩擦，延长阀门使用寿命。  
The eccentric structure is adopted, which reduces the friction of seal ring, in order to prolong the service life.
3. 阀板密封圈采用“T”形结构。密封副呈线性密封。  
The seal ring of valve board adopts T-type structure, and the sealing pair is linear sealing.
4. 完全密封，泄露为零。  
Absolute sealing, zero leakage.
5. 更换阀板密封圈、“O”形圈、蝶板、转轴等材质，可适用于多种介质和不同温度。  
Replacing seal ring of valve board, O-type ring, and butterfly-board, as well as revolving axle, etc.

设计标准 Design standard

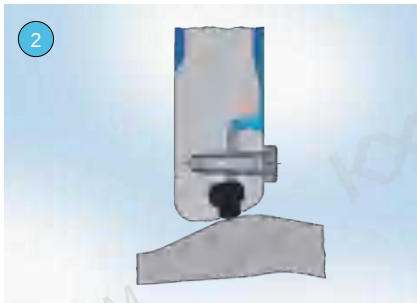
|                  |                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Code:     | BS5155, EN593, API609                                                                                                                                               |
| Size Range:      | DN200-2000, NPS 8"-80"                                                                                                                                              |
| Face to Face:    | ISO5752 13/14 Series                                                                                                                                                |
| End Flange:      | BS 4504 PN6/PN10/PN16, DIN2501 PN6/PN10/PN16, ISO 7005 PN6/PN10/PN16, JIS 5K/10K/16K, ASME B16.1 125LB, ASME B16.1 150LB, AS 2129 Table D and E, BS10 Table D and E |
| Top Flange:      | ISO5211                                                                                                                                                             |
| Test inspection: | EN 12266-1, API 598, Table 5                                                                                                                                        |

结构示意图 Structure schernatic drawing



主要零部件材质 Main parts material

| 名称<br>Name            | 1轴套<br>Shaft sleeve     | 2下转轴<br>Under rotation axle          | 3阀板<br>Disc               | 4圆锥锁<br>Taper lock    | 5上转轴<br>Upper rotation axle         | 6阀体<br>Valve body                           | 7填料<br>Packing                        |
|-----------------------|-------------------------|--------------------------------------|---------------------------|-----------------------|-------------------------------------|---------------------------------------------|---------------------------------------|
| 材料牌号<br>Maternal mark | ZCuZn38Mn2Pb2、<br>钢背F4  | 304 416 420 431                      | QT450-10<br>A536 65-45-12 | 304 416 420 431       | 304 416 420 431                     | HT200 A126 ClassB<br>QT450-10 A536 65-45-12 | NBR EPDM                              |
| 名称<br>Mame            | 8压环<br>Pressure ring    | 9阀板密封圈<br>Seal ring of<br>valve body | 10阀体钢环<br>Body steel ring | 11密封圈<br>Sealing ring | 12阀板钢环<br>Valve plate<br>steel ring | 13填充物<br>Fillers                            | 14阀体密封圈<br>Seal ring of<br>valve body |
| 材料牌号<br>Maternal mark | QT450-10<br>Q235-A Gr33 | NSR EPDM                             | 316                       | NBR EPDM              | 304                                 | 环氧树脂<br>Epoxy resin                         | NBR EPDM                              |



Perfect seal by:  
Welded seat or enamelled seat

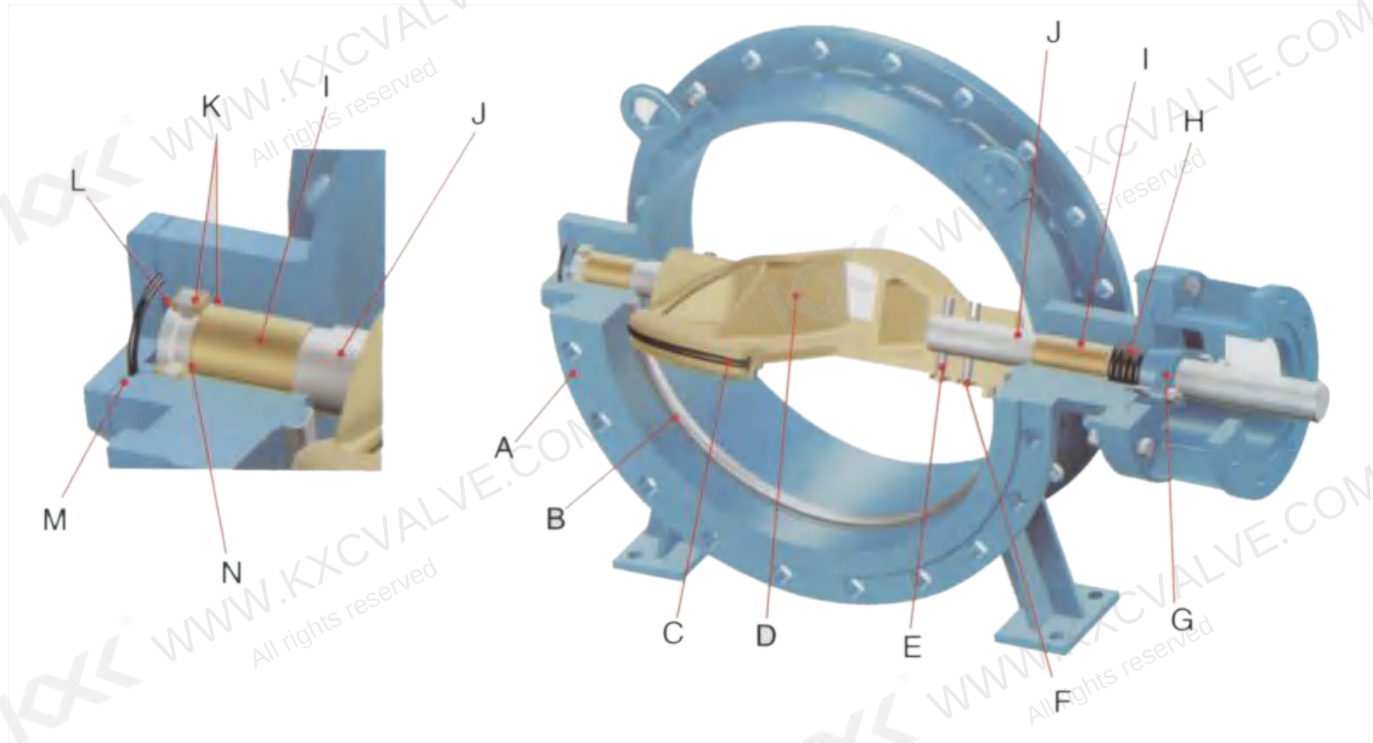
Up to DN 600 [2]:

- Rubberized profile seal ring, adjustable with counter sunk screws and threaded pins, with sealing bulge at the screw holes for stainless threaded blind holes

Up to DN 700 [3]:

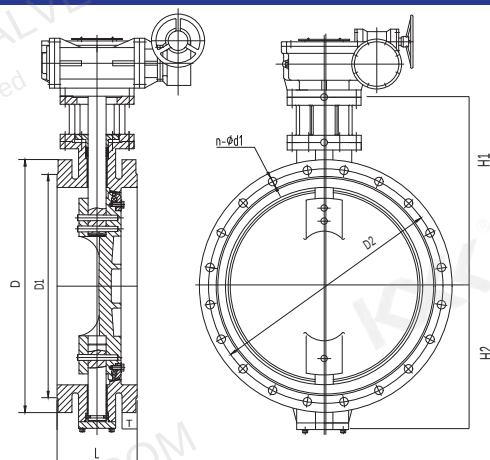
- Clamp ring: made of steel, Epoxy-coated, optional made of stainless steel
- Profile ring: EPDM or NBR, adjustable with hexagonal screws and threaded pins

剖面图 Profile map



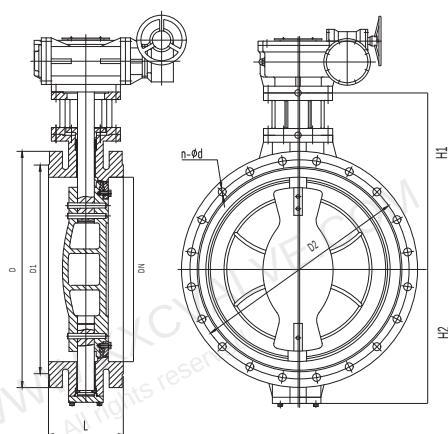
|                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>A: 阀体</b><br/>由高强度材料制成。变形小。适用于较恶劣的工况。<br/><b>A= Valve body</b><br/>The valve body consists of high-strength material, which has small deformation, as well as applies to wicked operating mode.</p>  | <p><b>H: O型圈</b><br/>多重O型圈可有效的防止轴端渗漏。<br/><b>H: O-type ring</b><br/>The multiple O-type of ring can effectively avoid for leakage of axle end</p>                                                                                                                              |
| <p><b>B: 阀体密封圈</b><br/>整体滚压在阀体上的不锈钢密封圈，精度高。耐磨损，寿命长。<br/><b>B: Valve body seal ring</b><br/>The stainless steel seal ring that rolls on valve body has high precision, abrasions and long service life.</p> | <p><b>I: 轴套</b><br/>由润滑且摩擦系数小的材料制成。有效的支承阀轴并降低转动力矩。<br/><b>I: Axle sleeve</b><br/>The axle sleeve is made up of lubricated material which has small friction coefficient. It also can support valve axle effectively and reduce rotation torque</p>                             |
| <p><b>C: 阀板密封圈</b><br/>T型密封橡胶圈，整体模压成形，精度高。可实现双向密封。<br/><b>C: Valve board seal ring</b><br/>The T-type seal rubber ring has entirety compression molding and high precision</p>                             | <p><b>J: 阀轴</b><br/>高强度不锈钢阀轴可有效的传递力矩。<br/><b>J: Valve axle</b><br/>The stainless steel valve axle with high strength can pass torque effectively.</p>                                                                                                                          |
| <p><b>D: 阀板</b><br/>拱桥式形状，强度高，变形小，流通面积大。<br/><b>D: Valve board</b><br/>The valve board has the shape of arch bridge, high strength, small deformation and large circulation area.</p>                      | <p><b>K: 减磨垫</b><br/>可防止对开环及轴肩的磨损，降低转动力矩，并能保证阀轴的正确位置。<br/><b>K: Anti-wear gasket</b><br/>The anti-wear gasket can prevent the abrasion of folio open-loop and axle shoulder, which also reduces rotation torque, as well as end; tires the correct position of valve axle.</p> |
| <p><b>E: 圆锥销</b><br/>高精度的锥形销。可有效的将阀轴与阀板连接在一起。<br/><b>E: Tapered cotter</b><br/>The tapered cotter of high precision can combine valve axle with valve board effectively.</p>                               | <p><b>L: O型密封圈</b><br/>可有效的防止底端泄漏。<br/><b>L: O-type seal ring</b><br/>It can effectively prevent the leakage of bottom.</p>                                                                                                                                                    |
| <p><b>F: 封销环</b><br/>可将圆锥销可靠固定，防止脱落。<br/><b>F: Sealing cotter loop</b><br/>It can fix the tapered cotter reliably, in order to avoid falling off.</p>                                                      | <p><b>M: 底端盖</b><br/>通过支撑对开环，防止阀板下垂。保证阀板的密封性能。<br/><b>M: Bottom cover</b><br/>It prevents the droop of valve board by supporting folio open-loop, so as to ensure the sealing performance of valve board.</p>                                                                  |
| <p><b>G: 填料压盖</b><br/>可实现上轴轴向定位。并固定密封环。<br/><b>G: Packing gland</b><br/>It can achieve axial locating of upper axle, as well as fix the seal ring.</p>                                                     | <p><b>N: 对开环</b><br/>可使阀轴处于正确位置。<br/><b>N: Folio open-loop</b><br/>It can make the valve axle seated correctly.</p>                                                                                                                                                            |

## 主要外形尺寸 Main contour size



DN200-DN350

| DN  | H1  | H2  | L±3 PN10 | L±3 PN16 | D1  | D2  | D   | T    | f    | n- Ød |
|-----|-----|-----|----------|----------|-----|-----|-----|------|------|-------|
| 200 | 360 | 182 | 152      | 230      | 268 | 295 | 340 | 20   | 4-12 | 8-23  |
| 250 | 415 | 219 | 165      | 250      | 320 | 350 | 395 | 22   | 4-12 | 12-23 |
| 300 | 430 | 344 | 178      | 270      | 370 | 400 | 445 | 24.5 | 4-12 | 12-23 |
| 350 | 465 | 283 | 190      | 290      | 430 | 460 | 505 | 24.5 | 4-12 | 16-23 |



DN400-DN2000

| DN   | H1   | H2   | 13 Series | 14 Series | PN16 | PN10 | PN10 |      |      |         | PN16 |      |      |         | ISO5211 |     |     |         |
|------|------|------|-----------|-----------|------|------|------|------|------|---------|------|------|------|---------|---------|-----|-----|---------|
|      |      |      | L±3       | L±3       | T    | T    | D1   | D2   | D    | N-Ø d   | D1   | D2   | D    | N-Ø d   |         | ØF  | ØD  | N-ØC    |
| 400  | 490  | 335  | 216       | 310       | 28   | 24.5 | 480  | 515  | 565  | 16-Ø 28 | 480  | 525  | 580  | 16-Ø 31 | F16     | 210 | 165 | 4-Ø 22  |
| 450  | 520  | 400  | 222       | 330       | 30   | 25.5 | 530  | 565  | 615  | 20-Ø 28 | 548  | 585  | 640  | 20-Ø 31 | F16     | 210 | 165 | 4-Ø 22  |
| 500  | 570  | 405  | 229       | 350       | 31.5 | 26.5 | 582  | 620  | 670  | 20-Ø 28 | 609  | 650  | 715  | 20-Ø 34 | F16     | 210 | 165 | 4-Ø 22  |
| 600  | 640  | 480  | 267       | 390       | 36   | 30   | 682  | 725  | 780  | 20-Ø 31 | 720  | 770  | 840  | 20-Ø 37 | F25     | 300 | 254 | 8-Ø 18  |
| 700  | 680  | 530  | 292       | 430       | 39.5 | 32.5 | 794  | 840  | 895  | 24-Ø 31 | 794  | 840  | 910  | 24-Ø 37 | F25     | 300 | 254 | 8-Ø 18  |
| 800  | 750  | 630  | 318       | 470       | 43   | 35   | 901  | 950  | 1015 | 24-Ø 34 | 901  | 950  | 1025 | 24-Ø 40 | F25     | 300 | 254 | 8-Ø 18  |
| 900  | 815  | 690  | 330       | 510       | 46.5 | 37.5 | 1001 | 1050 | 1115 | 28-Ø 34 | 1001 | 1050 | 1125 | 28-Ø 40 | F30     | 350 | 298 | 8-Ø 22  |
| 1000 | 895  | 725  | 410       | 550       | 50   | 40   | 1112 | 1160 | 1230 | 28-Ø 37 | 1112 | 1170 | 1255 | 28-Ø 43 | F30     | 350 | 298 | 8-Ø 22  |
| 1200 | 1020 | 865  | 470       | 630       | 57   | 45   | 1328 | 1380 | 1455 | 32-Ø 40 | 1328 | 1390 | 1485 | 32-Ø 49 | F35     | 415 | 356 | 8-Ø 33  |
| 1400 | 1175 | 1005 | 530       | 710       | 60   | 46   | 1530 | 1590 | 1675 | 36-Ø 43 | 1530 | 1590 | 1685 | 36-Ø 49 | F35     | 415 | 356 | 8-Ø 33  |
| 1600 | 1280 | 1190 | 600       | 790       | 65   | 49   | 1750 | 1820 | 1915 | 40-Ø 49 | 1750 | 1820 | 1930 | 40-Ø 56 | F35     | 415 | 356 | 8-Ø 33  |
| 1800 | 1520 | 1280 | 670       | 870       | 70   | 52   | 1950 | 2020 | 2115 | 44-Ø 49 | 1950 | 2020 | 2130 | 44-Ø 56 | F48     | 560 | 483 | 12-Ø 39 |
| 2000 | 1700 | 1400 | 760       | 950       | 75   | 55   | 2150 | 2230 | 2325 | 48-Ø 49 | 2150 | 2230 | 2345 | 48-Ø 62 | F60     | 686 | 603 | 20-Ø 39 |

H1 and H2 are only for reference, actual dimension may be a little different.



## 产品简介 Product Introduction

# D71XB Aluminum butterfly valve



铝蝶阀有很多优点：重量轻，防凝露，稳定的工作扭矩，防锈，密封性能高，S形球形阀板具有高密封性能，易于阀门与法兰连接。

Aluminum alloy butterfly valve has many good features, such as light weight, prevention of dew condensation, stabilized operating torque, rust prevention, S-shape spherical disc for high sealing performance and easy valve-to-flange centering. Lever handle from DN40 to DN200, and worm gear operation from DN200 to DN500.

## 设计标准 Design standard

Design Code: BS5155, API609

Size Range: DN25-DN500, NPS1"-20"

Face to Face: BS5155, ISO5752, API609

End Flange: BS 4504 PN6/PN10/PN16, DIN2501 PN6/PN10/PN16, ISO 7005 PN6/PN10/PN16, JIS 5K/10K/16K, ASME B16.1 125LB, ASME B16.1 150LB, AS 2129 Table D and E, BS10 Table D and E

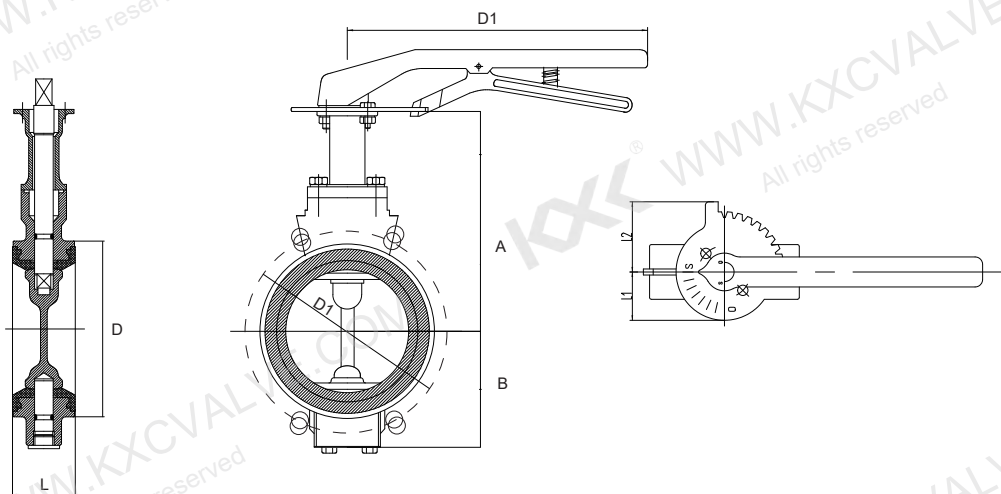
Top Flange: ISO5211(according to the customer's need)

Test inspection: EN 12266-1, API 598

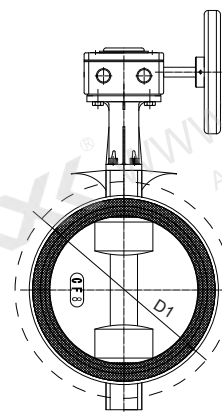
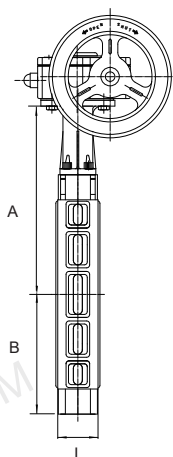
## 主要性能参数 Performance specification

| 公称压力<br>Nominal pressure | 公称通径<br>Nominal diameter | 试验压力<br>Test pressure |         | 工作温度<br>Tem | 适用介质                                                        |
|--------------------------|--------------------------|-----------------------|---------|-------------|-------------------------------------------------------------|
| PN(Mpa)                  | DN(mm)                   | 壳体 Shell              | 密封 Seal |             |                                                             |
| 1.0                      | 25-500                   | 1.5                   | 1.1     | ≤80℃        | 清水、源水、污水、<br>空气、油品<br>Water、Source Water、<br>Sewage、Air、Oil |
| 1.6                      |                          | 2.4                   | 1.76    |             |                                                             |

图纸尺寸 Drawings and dimensions



| DN  | INCH | L±2 | A   | B   | D   | DIN2501 PN10/16 | ANSI 150LB | JIS 10K | Weight |
|-----|------|-----|-----|-----|-----|-----------------|------------|---------|--------|
| mm  | in   |     |     |     |     | D1              | D1         | D1      | Kg     |
| 40  | 1.5  | 33  | 128 | 40  | 80  | 110             | 98.5       | 105     | 0.66   |
| 50  | 2    | 43  | 132 | 58  | 92  | 125             | 120.6      | 120     | 1.33   |
| 65  | 2.5  | 46  | 141 | 63  | 117 | 145             | 139.7      | 140     | 1.59   |
| 80  | 3    | 46  | 149 | 76  | 128 | 160             | 152.4      | 150     | 1.75   |
| 100 | 4    | 52  | 160 | 84  | 147 | 180             | 190.5      | 175     | 2.07   |
| 125 | 5    | 56  | 195 | 119 | 179 | 210             | 215.9      | 210     | 3.89   |
| 150 | 6    | 56  | 207 | 133 | 202 | 240             | 241.3      | 240     | 4.61   |
| 200 | 8    | 60  | 234 | 155 | 258 | 295             | 298.4      | 290     | 7.27   |



| DN  | INCH | L±2  | A   | B   | DIN2501 PN10/16 | ANSI 150LB | JIS 10K | Weight |
|-----|------|------|-----|-----|-----------------|------------|---------|--------|
| mm  | in   |      |     |     | D1              | D1         | D1      | Kg     |
| 250 | 10   | 68   | 328 | 238 | 350/355         | 361.9      | 355     | 16.24  |
| 300 | 12   | 78   | 353 | 263 | 400/410         | 43.8       | 400     | 22.88  |
| 350 | 14   | 76.5 | 330 | 270 | 460/470         | 476.2      | 445     | 35     |
| 400 | 16   | 86.5 | 400 | 304 | 515/525         | 539.5      | 510     | 50     |
| 450 | 18   | 105  | 411 | 337 | 565/585         | 578        | 565     | 78     |
| 500 | 20   | 129  | 460 | 368 | 620/650         | 635        | 620     | 90     |

A and B are only for reference, actual dimension may be a little different.

产品简介 Product Introduction



UPVC / PVC蝶阀用于水处理设备和水处理工程。它由纯UPVC / PVC材料通过注塑成型制成。可以通过粘接方法连接。适用于水，酸，碱，NaOCL，PAC，PAM和其他化学试剂。它具有很好的抗腐蚀能力，可以满足1.5 MPa的工作压力。

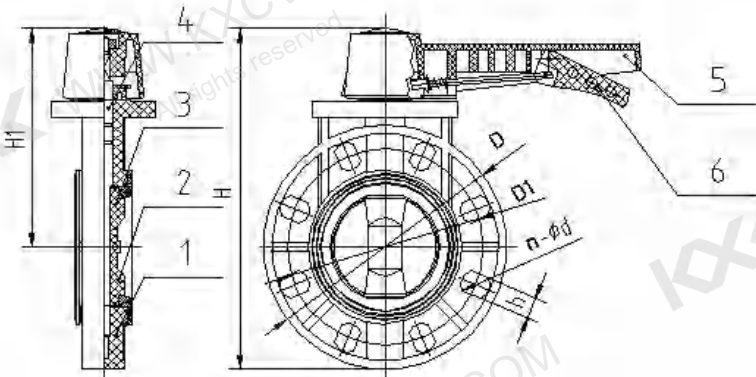
UPVC/PVC manual butterfly valve is used in water treatment equipment and water treatment engineering. It is made of pure UPVC/PVC material by injection moulding. It can be connected by bonding method. It is suitable for water, acid, alkali, NaOCL, PAC, PAM and other chemical agents. It has very good anti-corrosion ability and can meet the working pressure of 1.5 MPa.

1. 使用UPVC材料，质量好，耐老化，使用寿命长。  
Use UPVC material, good quality, Ageing resistant and long service life.
3. 节省成本，加快工程进度，易于安装。  
Saving cost and accelerating the project for the easy installation.
4. 操作简便。  
Easy operation.
5. 小流体阻力。  
Small fluid resistance.
6. 无振动，无噪音。  
No vibration, no noise.

主要性能参数 Performance specification

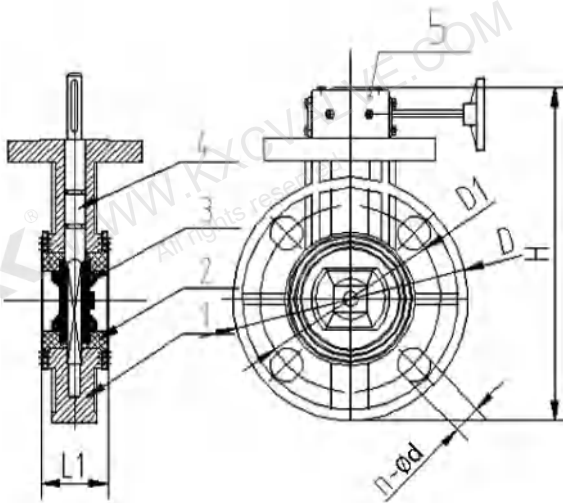
| 公称压力<br>Nominal pressure | 公称通径<br>Nominal diameter | 试验压力<br>Test pressure |         | 工作温度<br>Temperature | 适用介质<br>Medium                                          |
|--------------------------|--------------------------|-----------------------|---------|---------------------|---------------------------------------------------------|
| PN(Mpa)                  | DN(mm)                   | 壳体 Shell              | 密封 Seal |                     |                                                         |
| 1.0                      | 50-500                   | 1.5                   | 1.1     | ≤70℃                | 清水、源水、污水、<br>油品<br>Water、Source Water<br>Sewage、Air、Oil |
| 0.6                      |                          | 0.9                   | 0.66    |                     |                                                         |

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



| NO. | 零件 Part | 材质 Material              |
|-----|---------|--------------------------|
| 1   | 阀体 Body | PVC/UPVC                 |
| 2   | 阀座 Seat | EPDM                     |
| 3   | 阀板 Disc | PVC/UPVC                 |
| 4   | 阀杆 Stem | Carbon Steel/SS304/SS316 |

| DN  | n-φd | h  | H   | H1  | D   | D1  | L  | MPa |
|-----|------|----|-----|-----|-----|-----|----|-----|
| 50  | 4-22 | 19 | 222 | 141 | 158 | 125 | 43 | 1.0 |
| 65  | 4-24 | 20 | 246 | 153 | 180 | 145 | 45 | 1.0 |
| 80  | 8-26 | 20 | 269 | 170 | 196 | 160 | 50 | 1.0 |
| 100 | 8-26 | 20 | 304 | 190 | 227 | 180 | 52 | 1.0 |
| 125 | 8-28 | 23 | 360 | 231 | 258 | 210 | 62 | 1.0 |
| 150 | 8-28 | 23 | 396 | 250 | 288 | 240 | 70 | 1.0 |
| 200 | 8-28 | 24 | 463 | 288 | 345 | 295 | 90 | 0.6 |



| NO. | 零件 Part | 材质 Material              |
|-----|---------|--------------------------|
| 1   | 阀体 Body | PVC/UPVC                 |
| 2   | 阀座 Seat | EPDM                     |
| 3   | 阀板 Disc | PVC/UPVC                 |
| 4   | 阀杆 Stem | Carbon Steel/SS304/SS316 |

| DN  | n-φd  | D   | D1  | H   | L1±2 | MPa |
|-----|-------|-----|-----|-----|------|-----|
| 125 | 8-23  | 258 | 210 | 360 | 66   | 0.6 |
| 150 | 8-23  | 288 | 240 | 388 | 70   | 0.6 |
| 200 | 8-23  | 345 | 295 | 451 | 90   | 0.6 |
| 250 | 12-26 | 403 | 350 | 530 | 102  | 0.6 |
| 300 | 12-26 | 473 | 400 | 610 | 113  | 0.6 |
| 350 | 16-26 | 500 | 450 | 650 | 105  | 0.4 |
| 400 | 16-26 | 572 | 515 | 740 | 116  | 0.4 |
| 500 | 20-26 | 668 | 620 | 890 | 135  | 0.4 |