



FLOW CONTROL  
SOLUTIONS

ZHONG DESIGN

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LINED VALVE SERIES

## TECHNICAL SPECIFICATION

| Item                   | Specification                               |
|------------------------|---------------------------------------------|
| Nominal Size           | DN15mm – DN350mm (1/2" – 14")               |
| Working Pressure       | 0.1 mbar – 16 bar                           |
| Temperature Range      | -29°C ~ +180°C                              |
| Design and Manufacture | API 608, HG/T 3704                          |
| Face to Face           | ASME B16.10, DIN 3202, HG/T 3704            |
| Flange Ends            | ASME B16.5, DIN 2532, JIS B2220, GB/T 20197 |
| Visual Inspection      | MSS SP, HG/T 3704                           |
| Testing                | API 598, GB/T 13927                         |
| Pressure & Temperature | ASME B16.34                                 |
| Operation Type         | Lever, Gear, Pneumatic, Electric            |
| Spark Test             | 15 kV                                       |



### Standard stainless steel lockable handle

Minimizes the possibility of accidental operation

### Metal-to-metal structural design at body-bonnet joint

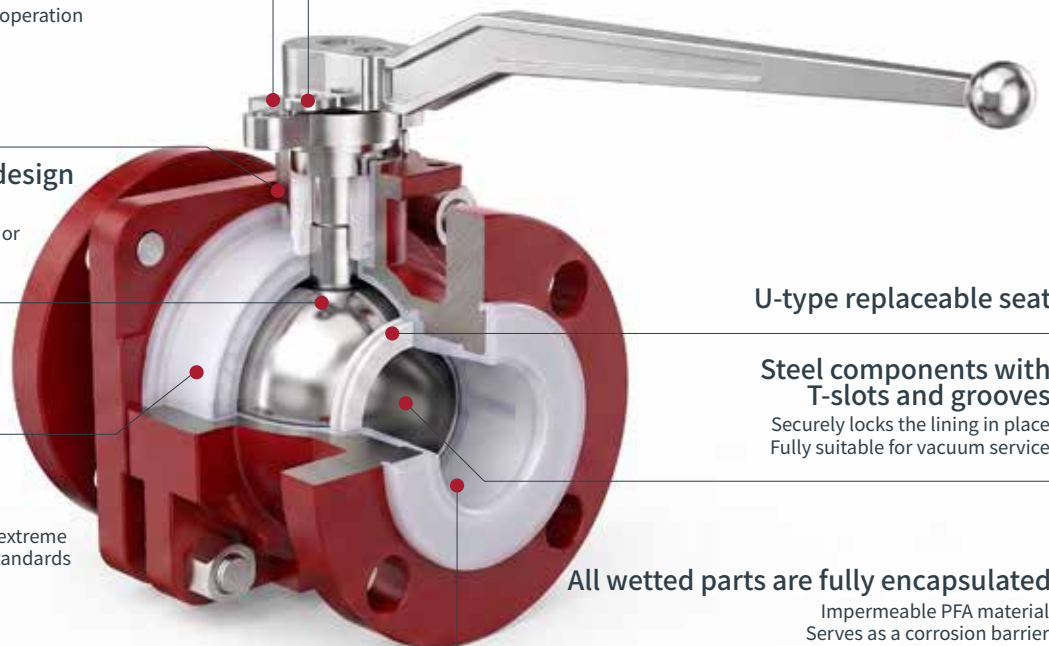
Ensures the lining will not be extruded or deformed under stress

### One-piece blowout-proof stem and ball design

Minimizes the risk of stem/ball failure due to wear damage

### Wider tapered lining connection design

Maintains a complete seal even under extreme thermal cycling; meets low emission standards



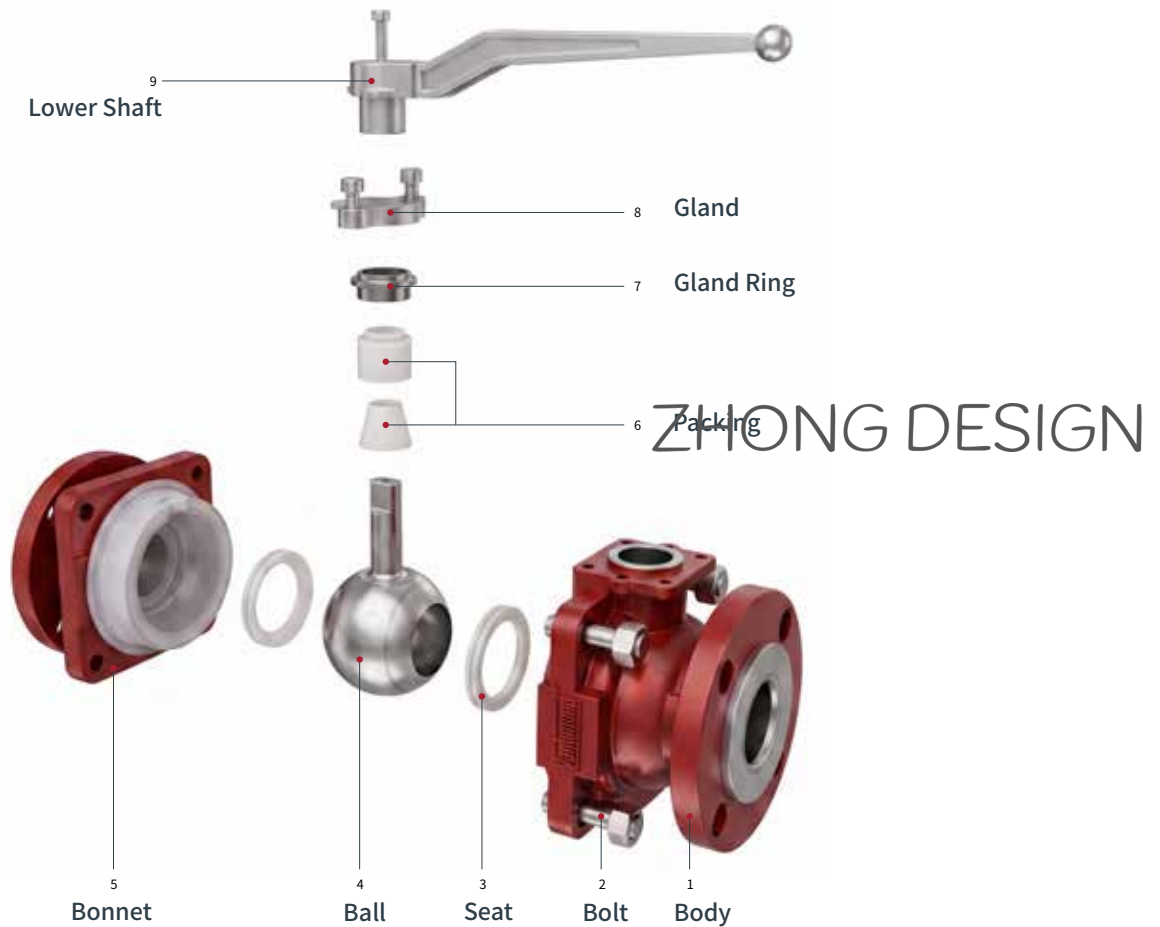
### U-type replaceable seat

### Steel components with T-slots and grooves

Securely locks the lining in place  
Fully suitable for vacuum service

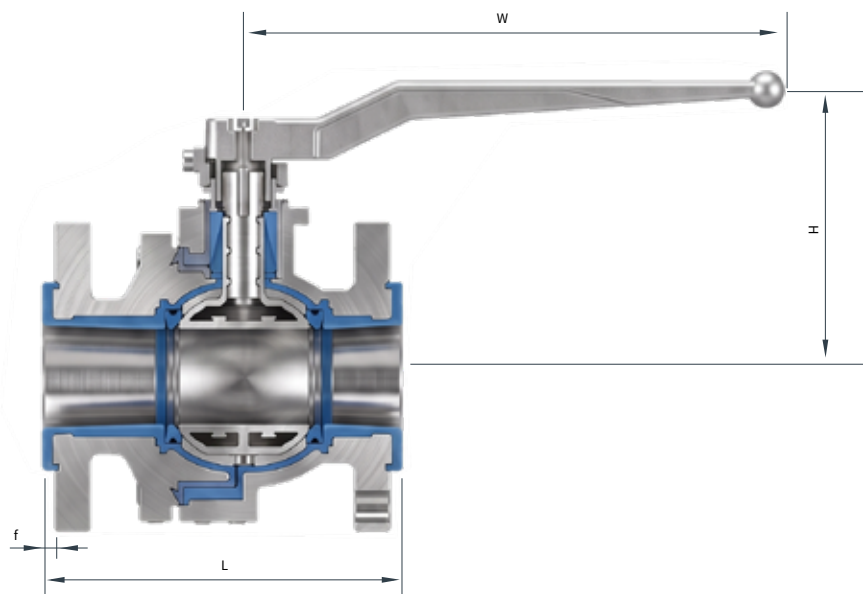
### All wetted parts are fully encapsulated

Impermeable PFA material  
Serves as a corrosion barrier



## MAIN MATERIALS

| No. | Part Name   | MATERIAL                                                  | ASTM                 | JIS                         | DIN                               |
|-----|-------------|-----------------------------------------------------------|----------------------|-----------------------------|-----------------------------------|
| 1.  | Body        | Carbon Steel + PFA/FEP/PO<br>Stainless Steel + PFA/FEP/PO | A216 WCB<br>A351 CF8 | G5151-SCPH2<br>G5121-SCS13A | GS-45 (1.0446)<br>G-X6CrNiMo18-10 |
| 2.  | Bolt        | Carbon Steel<br>Stainless Steel                           | A193 B7<br>A320 B8   | G4107-SNB7<br>G4303-SUS304  | 1.7225<br>X5CrNi18-10 (1.4301)    |
| 3.  | Seat        | PTFE                                                      | —                    | —                           | —                                 |
| 4.  | Ball        | Carbon Steel + PFA/FEP/PO<br>Stainless Steel + PFA/FEP/PO | A216 WCB<br>A351 CF8 | G5151-SCPH2<br>G5121-SCS13A | GS-45 (1.0446)<br>G-X6CrNiMo18-10 |
| 5.  | Bonnet      | Carbon Steel + PFA/FEP/PO<br>Stainless Steel + PFA/FEP/PO | A216 WCB<br>A351 CF8 | G5151-SCPH2<br>G5121-SCS13A | GS-45 (1.0446)<br>G-X6CrNiMo18-10 |
| 6.  | Packing     | PTFE                                                      | —                    | —                           | —                                 |
| 7.  | Gland Ring  | Stainless Steel                                           | A182 F304            | SUS304                      | X5CrNi18-10 (1.4301)              |
| 8.  | Gland       | Carbon Steel<br>Stainless Steel                           | A216 WCB<br>A351 CF8 | G5151-SCPH2<br>G5121-SCS13A | GS-45 (1.0446)<br>G-X6CrNiMo18-10 |
| 9.  | Lower Shaft | Stainless Steel                                           | A216 WCB             | G5151-SCPH2                 | GS-45 (1.0446)                    |



YFM-GQ41PFA



## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | ASME<br>Class 150<br>L | JIS<br>10K<br>L | DIN<br>PN10/16<br>L | H   | W   | f   | Cv   | Torque<br>(N·m) | Weight<br>(kg) | ISO<br>Mounting<br>Pad |
|------------|---------------|------------------------|-----------------|---------------------|-----|-----|-----|------|-----------------|----------------|------------------------|
| 25         | 1             | 127                    | 127             | 150                 | 110 | 200 | 2.5 | 58   | 20              | 5              | F05/F07                |
| 32         | 1¼            | 140                    | 140             | 165                 | 130 | 200 | 2.5 | 130  | 20              | 8              | F05/F07                |
| 40         | 1½            | 165                    | 165             | 180                 | 135 | 220 | 3   | 198  | 30              | 11             | F07/F10                |
| 50         | 2             | 178                    | 178             | 200                 | 145 | 220 | 3   | 297  | 40              | 14             | F07/F10                |
| 65         | 2½            | 190                    | 190             | 220                 | 155 | 350 | 3   | 448  | 65              | 19             | F07/F10                |
| 80         | 3             | 203                    | 203             | 250                 | 210 | 400 | 3   | 697  | 80              | 24             | F10/F12                |
| 100        | 4             | 229                    | 229             | 280                 | 235 | 400 | 3.5 | 1096 | 130             | 40             | F10/F12                |
| 125        | 5             | 254                    | 254             | 320                 | —   | —   | 3.5 | 1657 | 210             | —              | F12/F14                |
| 150        | 6             | 267                    | 267             | 360                 | —   | —   | 4   | 2590 | 300             | —              | F12/F14                |
| 200        | 8             | 457                    | 457             | 400                 | —   | —   | 4.5 | 4170 | 800             | —              | F16                    |

Note: For larger sizes, please contact us for consultation.

## TECHNICAL SPECIFICATION

| Item                   | Parameter                                   |
|------------------------|---------------------------------------------|
| Size                   | 40mm~3000mm(1.5"~120")                      |
| Working pressure       | 0.1mbar-16bar                               |
| Temperature range      | -29°C~180°C                                 |
| Design and Manufacture | API 609, HG/T 3704                          |
| Face to Face           | B16.10, HG/T 3704                           |
| Flange Ends            | ASME B16.5, DIN 2532, JIS B2220, HG/T 20592 |
| Visual Inspection      | MSS SP54, HG/T 3704                         |
| Testing                | API 598, GB/T 13927                         |
| Pressure & Temperature | ASME B16.34                                 |
| Operator Type          | Lever, Gear, Pneumatic, Electric            |
| Spark testing          | 15KV                                        |



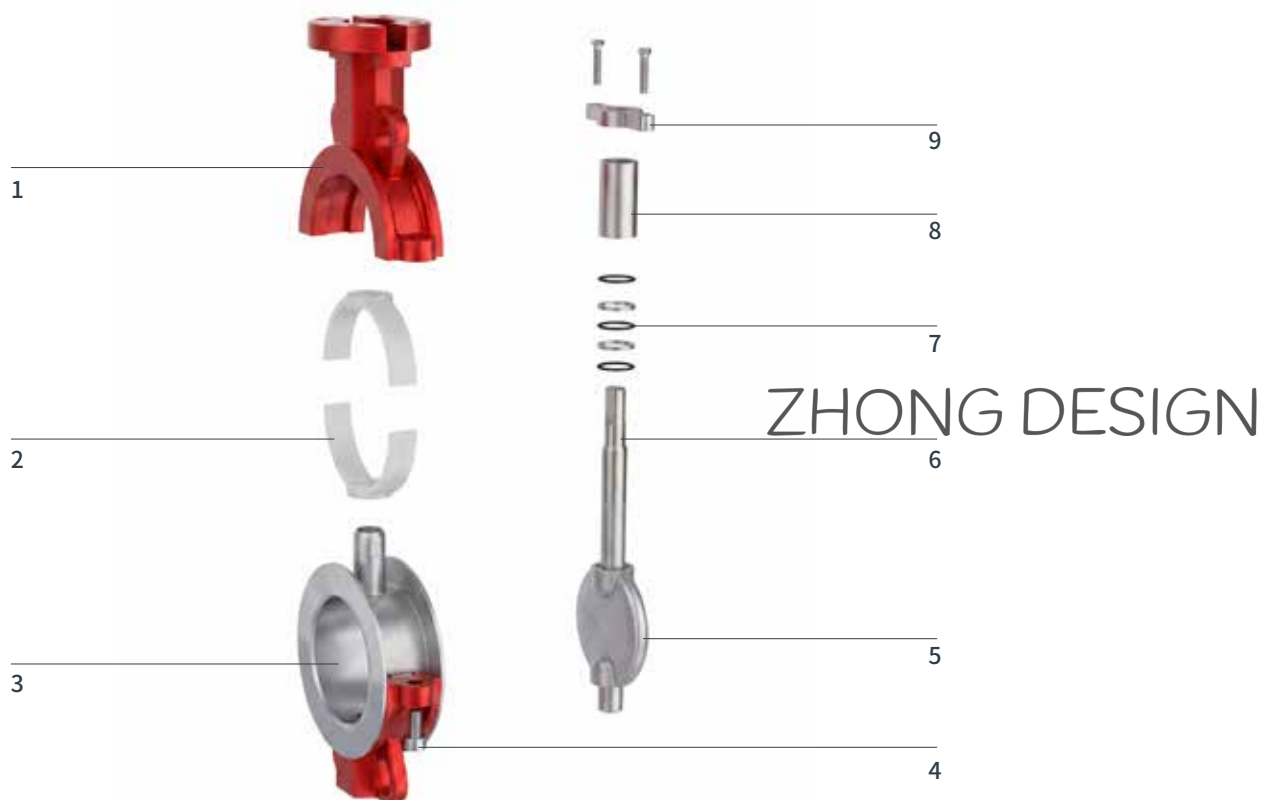
Top mounting platform complies with ISO5211 standard

Multiple safety seals, environmentally friendly with zero pollution

Integrated design of valve stem and butterfly disc prevents disc ejection

Removable double valve body structural design

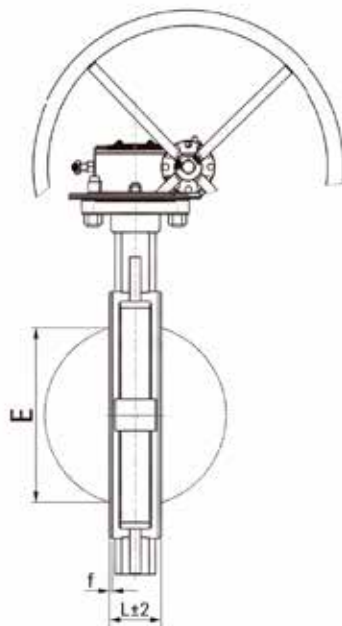
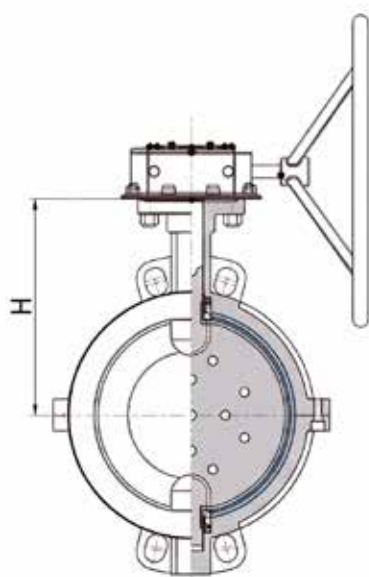
Materials comply with FDA standards



## MAIN MATERIALS

| No. | DESCRIPTION | MATERIAL                                              | ASTM                 | JIS                         | DIN                              |
|-----|-------------|-------------------------------------------------------|----------------------|-----------------------------|----------------------------------|
| 1.  | Body        | WCB/CF8                                               | A216 WCB<br>A351 CF8 | G5151-SCPH2<br>G5121-SCS13A | GS-45(1.0446)<br>G-X6CrNiMo1810  |
| 2.  | Backing     | Silicone                                              | —                    | —                           | —                                |
| 3.  | Seat        | PTFE/FEP/PFA/GXPO                                     | —                    | —                           | —                                |
| 4.  | Hex Screw   | Carbon Steel<br>Stainless Steel                       | A193 B7<br>A320 B8   | G4107 -SNB7<br>G4303-SUS304 | 2.4668<br>X5CrNi18 10 DIN 1.4301 |
| 5.  | Disc        | Carbon Steel+PFA/FEP/PO<br>Stainless Steel+PFA/FEP/PO | A216 WCB<br>A351 CF8 | G5151-SCPH2<br>G5121-SCS13A | GS-45(1.0446)<br>G-X6CrNiMo1810  |
| 6.  | Stem        | 20Cr13                                                | 420                  | SUS420J1                    | X20Cr13(1.4021)                  |
| 7.  | O-ring      | Viton                                                 | —                    | —                           | —                                |
| 8.  | Bushing     | Stainless Steel                                       | A182 F304            | G4303-SUSF304               | X5CrNi18 10 DIN 1.4301           |
| 9.  | Gland       | Carbon Steel<br>Stainless Steel                       | A216 WCB<br>A351 CF8 | G5151-SCPH2<br>G5121-SCS13A | GS-45(1.0446)<br>G-X6CrNiMo1810  |

Note: For larger sizes, please contact us for consultation.



YFM-D371F46/PFA/PO

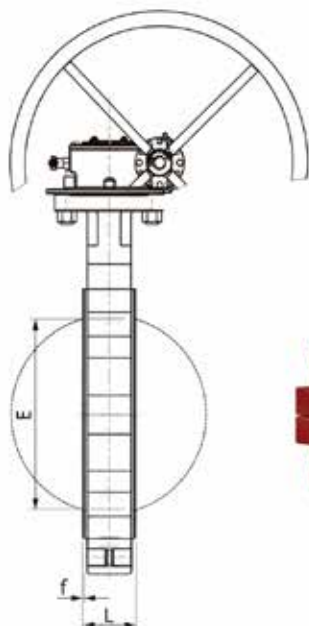
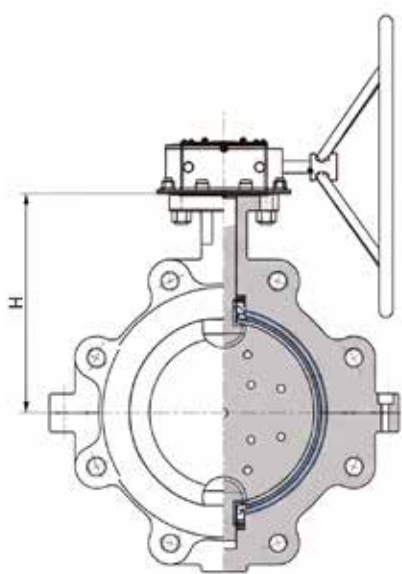


## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | ASME<br>Class 150<br>L | JIS<br>10K<br>L | DIN<br>PN10/16<br>L | E    | H    | f   | Cv    | Torque<br>(N·m) | Weight<br>(kg) | ISO<br>Mounting<br>Pad |
|------------|---------------|------------------------|-----------------|---------------------|------|------|-----|-------|-----------------|----------------|------------------------|
| 50         | 2             | 43                     | 43              | 43                  | 26   | 135  | 2.5 | 210   | 25              | 5              | F07                    |
| 65         | 2½            | 46                     | 46              | 46                  | 46   | 142  | 2.5 | 210   | 25              | 6              | F07                    |
| 80         | 3             | 46                     | 46              | 46                  | 66   | 165  | 2.5 | 410   | 50              | 8              | F07                    |
| 100        | 4             | 52                     | 52              | 52                  | 86   | 180  | 2.5 | 710   | 80              | 10             | F07                    |
| 125        | 5             | 56                     | 56              | 56                  | 112  | 228  | 2.5 | 1150  | 90              | 14             | F07                    |
| 150        | 6             | 56                     | 56              | 56                  | 140  | 278  | 3   | 1750  | 130             | 16             | F10                    |
| 200        | 8             | 60                     | 60              | 60                  | 191  | 295  | 3   | 3550  | 180             | 21             | F10                    |
| 250        | 10            | 68                     | 68              | 68                  | 241  | 341  | 3   | 5100  | 400             | 35             | F12                    |
| 300        | 12            | 78                     | 78              | 78                  | 290  | 390  | 3   | 8870  | 610             | 44             | F12                    |
| 350        | 14            | 78                     | 78              | 78                  | 342  | 442  | 3.5 | 9200  | 850             | 72             | F14                    |
| 400        | 16            | 102                    | 102             | 102                 | 387  | 470  | 3.5 | 14500 | 1170            | 91             | F16                    |
| 450        | 18            | 114                    | 114             | 114                 | 436  | 520  | 3.5 | 20100 | 1560            | 130            | F16                    |
| 500        | 20            | 127                    | 127             | 127                 | 484  | 590  | 4   | 22000 | 1820            | 166            | F16                    |
| 600        | 24            | 154                    | 154             | 154                 | 580  | 650  | 4   | 31000 | 2990            | 270            | F25                    |
| 700        | 28            | 165                    | 165             | 165                 | 680  | 770  | 4   | 36000 | 5200            | /              | F25                    |
| 800        | 32            | 190                    | 190             | 190                 | 778  | 830  | 4.5 | 46400 | 7200            | /              | F30                    |
| 900        | 36            | 203                    | 203             | 203                 | 877  | 880  | 4.5 | 58000 | 9800            | /              | F35                    |
| 1000       | 40            | 216                    | 216             | 216                 | 977  | 980  | 5   | 63100 | 13500           | /              | F35                    |
| 1200       | 48            | 254                    | 254             | 254                 | 1175 | 1070 | 5   | /     | 19000           | /              | F40                    |

Note: For larger sizes, please contact us for consultation.



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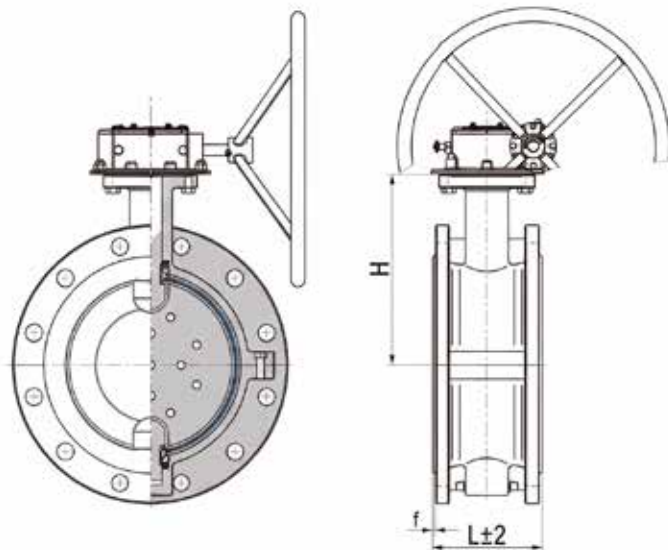
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## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | ASME<br>Class 150<br>L | JIS<br>10K<br>L | DIN<br>PN10/16<br>L | E    | H    | f   | Cv    | Torque<br>(N·m) | Weight<br>(kg) | ISO<br>Mounting<br>Pad |
|------------|---------------|------------------------|-----------------|---------------------|------|------|-----|-------|-----------------|----------------|------------------------|
| 50         | 2             | 43                     | 43              | 43                  | 26   | 135  | 2.5 | 210   | 25              | 7              | F07                    |
| 65         | 2½            | 46                     | 46              | 46                  | 46   | 142  | 2.5 | 210   | 25              | 8              | F07                    |
| 80         | 3             | 46                     | 46              | 46                  | 66   | 165  | 2.5 | 410   | 50              | 11             | F07                    |
| 100        | 4             | 52                     | 52              | 52                  | 86   | 180  | 2.5 | 710   | 80              | 14             | F07                    |
| 125        | 5             | 56                     | 56              | 56                  | 112  | 228  | 2.5 | 1150  | 90              | 19             | F07                    |
| 150        | 6             | 56                     | 56              | 56                  | 140  | 278  | 3   | 1750  | 130             | 22             | F10                    |
| 200        | 8             | 60                     | 60              | 60                  | 191  | 295  | 3   | 3550  | 180             | 29             | F10                    |
| 250        | 10            | 68                     | 68              | 68                  | 241  | 341  | 3   | 5100  | 400             | 50             | F12                    |
| 300        | 12            | 78                     | 78              | 78                  | 290  | 390  | 3   | 8870  | 610             | 62             | F12                    |
| 350        | 14            | 78                     | 78              | 78                  | 342  | 442  | 3.5 | 9200  | 850             | 100            | F14                    |
| 400        | 16            | 102                    | 102             | 102                 | 387  | 470  | 3.5 | 14500 | 1170            | 128            | F16                    |
| 450        | 18            | 114                    | 114             | 114                 | 436  | 520  | 3.5 | 20100 | 1560            | 182            | F16                    |
| 500        | 20            | 127                    | 127             | 127                 | 484  | 590  | 4   | 22000 | 1820            | 235            | F16                    |
| 600        | 24            | 154                    | 154             | 154                 | 580  | 650  | 4   | 31000 | 2990            | 380            | F25                    |
| 700        | 28            | 165                    | 165             | 165                 | 680  | 770  | 4   | 36000 | 5200            | /              | F25                    |
| 800        | 32            | 190                    | 190             | 190                 | 778  | 830  | 4.5 | 46400 | 7200            | /              | F30                    |
| 900        | 36            | 203                    | 203             | 203                 | 877  | 880  | 4.5 | 58000 | 9800            | /              | F35                    |
| 1000       | 40            | 216                    | 216             | 216                 | 977  | 980  | 5   | 63100 | 13500           | /              | F35                    |
| 1200       | 48            | 254                    | 254             | 254                 | 1175 | 1070 | 5   | /     | 19000           | /              | F40                    |

Note: For larger sizes, please contact us for consultation.



YFM-D341F46/PFA/PO



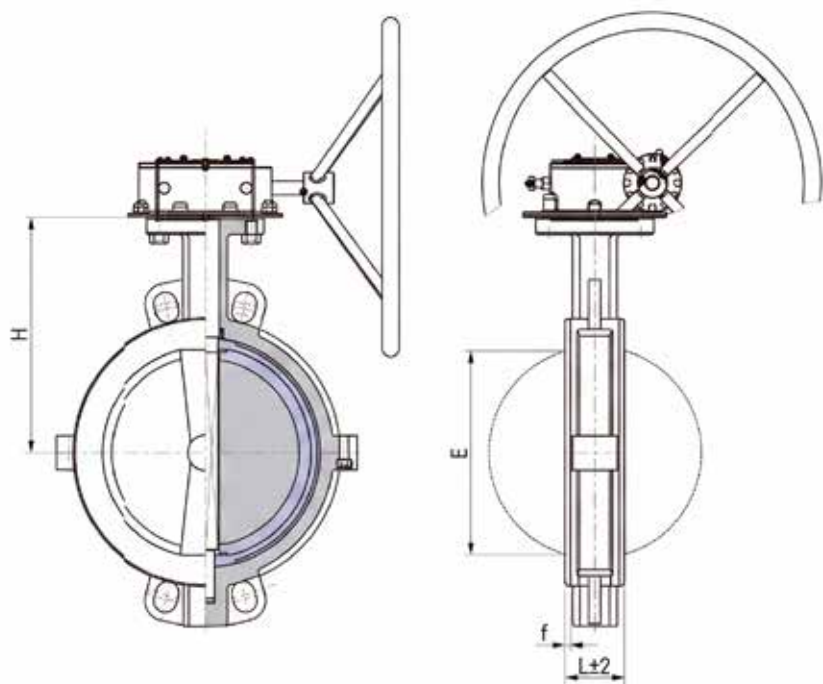
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## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | ASME<br>Class 150<br>L | JIS<br>10K<br>L | DIN<br>PN10/16<br>L | H    | f   | Cv    | Torque<br>(N·m) | Weight<br>(kg) | ISO<br>Mounting<br>Pad |
|------------|---------------|------------------------|-----------------|---------------------|------|-----|-------|-----------------|----------------|------------------------|
| 50         | 2             | 108                    | 108             | 108                 | 135  | 2.5 | 210   | 25              | 10             | F07                    |
| 65         | 2½            | 112                    | 112             | 112                 | 142  | 2.5 | 210   | 25              | 12             | F07                    |
| 80         | 3             | 114                    | 114             | 114                 | 165  | 2.5 | 410   | 50              | 16             | F07                    |
| 100        | 4             | 127                    | 127             | 127                 | 180  | 2.5 | 710   | 80              | 19             | F07                    |
| 125        | 5             | 140                    | 140             | 140                 | 228  | 2.5 | 1150  | 90              | 25             | F07                    |
| 150        | 6             | 140                    | 140             | 140                 | 278  | 3   | 1750  | 130             | 35             | F10                    |
| 200        | 8             | 152                    | 152             | 152                 | 295  | 3   | 3550  | 180             | 44             | F10                    |
| 250        | 10            | 165                    | 165             | 165                 | 341  | 3   | 5100  | 400             | 66             | F12                    |
| 300        | 12            | 178                    | 178             | 178                 | 390  | 3   | 8870  | 610             | 85             | F12                    |
| 350        | 14            | 190                    | 190             | 190                 | 442  | 3.5 | 9200  | 850             | 135            | F14                    |
| 400        | 16            | 216                    | 216             | 216                 | 470  | 3.5 | 14500 | 1170            | 162            | F16                    |
| 450        | 18            | 222                    | 222             | 222                 | 520  | 3.5 | 20100 | 1560            | 198            | F16                    |
| 500        | 20            | 229                    | 229             | 229                 | 590  | 4   | 22000 | 1820            | 228            | F16                    |
| 600        | 24            | 267                    | 267             | 267                 | 650  | 4   | 31000 | 2990            | 354            | F25                    |
| 700        | 28            | 292                    | 292             | 292                 | 770  | 4   | 36000 | 5200            | /              | F25                    |
| 800        | 32            | 318                    | 318             | 318                 | 830  | 4.5 | 46400 | 7200            | /              | F30                    |
| 900        | 36            | 330                    | 330             | 330                 | 880  | 4.5 | 58000 | 9800            | /              | F35                    |
| 1000       | 40            | 410                    | 410             | 410                 | 980  | 5   | 63100 | 13500           | /              | F35                    |
| 1200       | 48            | 470                    | 470             | 470                 | 1070 | 5   | /     | 19000           | /              | F40                    |

Note: For larger sizes, please contact us for consultation.



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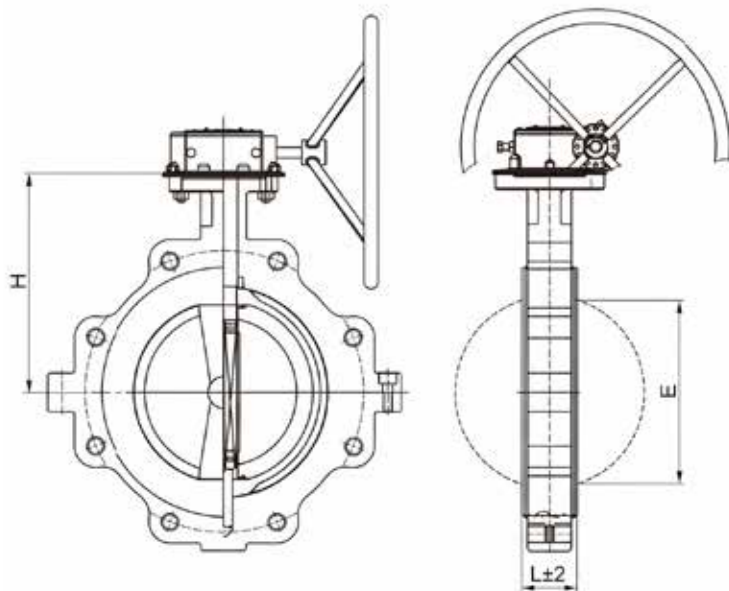


## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | ASME<br>Class 150<br>L | JIS<br>10K<br>L | DIN<br>PN10/16<br>L | E    | H    | f   | Cv    | Torque<br>(N·m) | Weight<br>(kg) | ISO<br>Mounting<br>Pad |
|------------|---------------|------------------------|-----------------|---------------------|------|------|-----|-------|-----------------|----------------|------------------------|
| 50         | 2             | 43                     | 43              | 43                  | 26   | 135  | 2.5 | 210   | 25              | 5              | F07                    |
| 65         | 2½            | 46                     | 46              | 46                  | 46   | 142  | 2.5 | 210   | 35              | 6              | F07                    |
| 80         | 3             | 46                     | 46              | 46                  | 66   | 165  | 2.5 | 410   | 45              | 8              | F07                    |
| 100        | 4             | 52                     | 52              | 52                  | 86   | 180  | 2.5 | 710   | 100             | 10             | F07                    |
| 125        | 5             | 56                     | 56              | 56                  | 112  | 228  | 2.5 | 1150  | 120             | 14             | F07                    |
| 150        | 6             | 56                     | 56              | 56                  | 140  | 278  | 3   | 1750  | 160             | 16             | F10                    |
| 200        | 8             | 60                     | 60              | 60                  | 191  | 295  | 3   | 3550  | 200             | 21             | F10                    |
| 250        | 10            | 68                     | 68              | 68                  | 241  | 341  | 3   | 5100  | 440             | 35             | F12                    |
| 300        | 12            | 78                     | 78              | 78                  | 290  | 390  | 3   | 8870  | 950             | 44             | F12                    |
| 350        | 14            | 78                     | 78              | 78                  | 342  | 442  | 3.5 | 9200  | 1850            | 72             | F14                    |
| 400        | 16            | 102                    | 102             | 102                 | 387  | 470  | 3.5 | 14500 | 1950            | 91             | F16                    |
| 450        | 18            | 114                    | 114             | 114                 | 436  | 520  | 3.5 | 20100 | 2100            | 130            | F16                    |
| 500        | 20            | 127                    | 127             | 127                 | 484  | 590  | 4   | 22000 | 3200            | 166            | F16                    |
| 600        | 24            | 154                    | 154             | 154                 | 580  | 650  | 4   | 31000 | 5120            | 270            | F25                    |
| 700        | 28            | 165                    | 165             | 165                 | 680  | 770  | 4   | 36000 | /               | /              | F25                    |
| 800        | 32            | 190                    | 190             | 190                 | 778  | 830  | 4.5 | 46400 | /               | /              | F30                    |
| 900        | 36            | 203                    | 203             | 203                 | 877  | 880  | 4.5 | 58000 | /               | /              | F35                    |
| 1000       | 40            | 216                    | 216             | 216                 | 977  | 980  | 5   | 63100 | /               | /              | F35                    |
| 1200       | 48            | 254                    | 254             | 254                 | 1175 | 1070 | 5   | /     | /               | /              | F40                    |

Note: For larger sizes, please contact us for consultation.



YFM-TD371F4

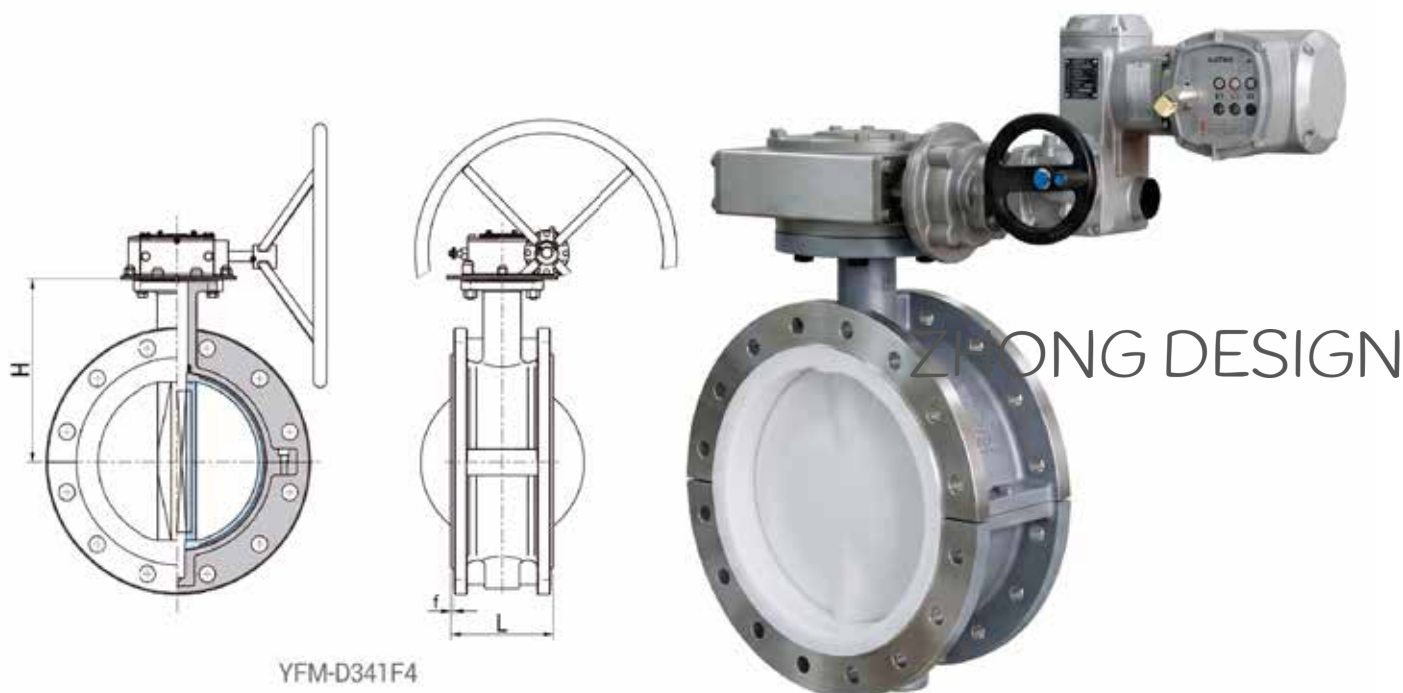


## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | ASME<br>Class 150<br>L | JIS<br>10K<br>L | DIN<br>PN10/16<br>L | E    | H    | f   | Cv    | Torque<br>(N·m) | Weight<br>(kg) | ISO<br>Mounting<br>Pad |
|------------|---------------|------------------------|-----------------|---------------------|------|------|-----|-------|-----------------|----------------|------------------------|
| 50         | 2             | 43                     | 43              | 43                  | 26   | 135  | 2.5 | 210   | 25              | 7              | F07                    |
| 65         | 2½            | 46                     | 46              | 46                  | 46   | 142  | 2.5 | 210   | 35              | 8              | F07                    |
| 80         | 3             | 46                     | 46              | 46                  | 66   | 165  | 2.5 | 410   | 45              | 11             | F07                    |
| 100        | 4             | 52                     | 52              | 52                  | 86   | 180  | 2.5 | 710   | 100             | 14             | F07                    |
| 125        | 5             | 56                     | 56              | 56                  | 112  | 228  | 2.5 | 1150  | 120             | 19             | F07                    |
| 150        | 6             | 56                     | 56              | 56                  | 140  | 278  | 3   | 1750  | 160             | 22             | F10                    |
| 200        | 8             | 60                     | 60              | 60                  | 191  | 295  | 3   | 3550  | 200             | 29             | F10                    |
| 250        | 10            | 68                     | 68              | 68                  | 241  | 341  | 3   | 5100  | 440             | 50             | F12                    |
| 300        | 12            | 78                     | 78              | 78                  | 290  | 390  | 3   | 8870  | 950             | 62             | F12                    |
| 350        | 14            | 78                     | 78              | 78                  | 342  | 442  | 3.5 | 9200  | 1850            | 100            | F14                    |
| 400        | 16            | 102                    | 102             | 102                 | 387  | 470  | 3.5 | 14500 | 1950            | 128            | F16                    |
| 450        | 18            | 114                    | 114             | 114                 | 436  | 520  | 3.5 | 20100 | 2100            | 182            | F16                    |
| 500        | 20            | 127                    | 127             | 127                 | 484  | 590  | 4   | 22000 | 3200            | 235            | F16                    |
| 600        | 24            | 154                    | 154             | 154                 | 580  | 650  | 4   | 31000 | 5120            | 380            | F25                    |
| 700        | 28            | 165                    | 165             | 165                 | 680  | 770  | 4   | 36000 | /               | /              | F25                    |
| 800        | 32            | 190                    | 190             | 190                 | 778  | 830  | 4.5 | 46400 | /               | /              | F30                    |
| 900        | 36            | 203                    | 203             | 203                 | 877  | 880  | 4.5 | 58000 | /               | /              | F35                    |
| 1000       | 40            | 216                    | 216             | 216                 | 977  | 980  | 5   | 63100 | /               | /              | F35                    |
| 1200       | 48            | 254                    | 254             | 254                 | 1175 | 1070 | 5   | /     | /               | /              | F40                    |

Note: For larger sizes, please contact us for consultation.

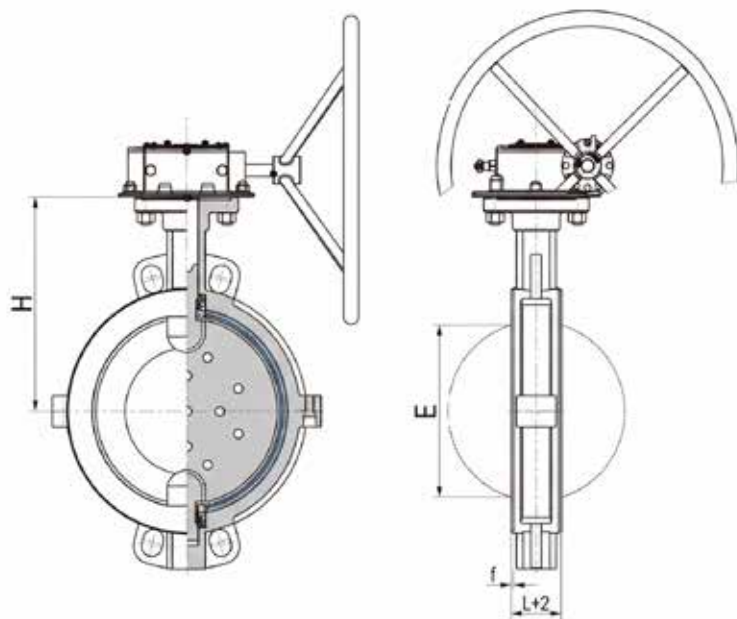


## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | ASME<br>Class 150<br>L | JIS<br>10K<br>L | DIN<br>PN10/16<br>L | H    | f   | Cv    | Torque<br>(N·m) | Weight<br>(kg) | ISO<br>Mounting<br>Pad |
|------------|---------------|------------------------|-----------------|---------------------|------|-----|-------|-----------------|----------------|------------------------|
| 50         | 2             | 108                    | 108             | 108                 | 135  | 2.5 | 210   | 25              | 10             | F07                    |
| 65         | 2½            | 112                    | 112             | 112                 | 142  | 2.5 | 210   | 35              | 12             | F07                    |
| 80         | 3             | 114                    | 114             | 114                 | 165  | 2.5 | 410   | 45              | 16             | F07                    |
| 100        | 4             | 127                    | 127             | 127                 | 180  | 2.5 | 710   | 100             | 19             | F07                    |
| 125        | 5             | 140                    | 140             | 140                 | 228  | 2.5 | 1150  | 120             | 25             | F07                    |
| 150        | 6             | 140                    | 140             | 140                 | 278  | 3   | 1750  | 160             | 35             | F10                    |
| 200        | 8             | 152                    | 152             | 152                 | 295  | 3   | 3550  | 200             | 44             | F10                    |
| 250        | 10            | 165                    | 165             | 165                 | 341  | 3   | 5100  | 440             | 66             | F12                    |
| 300        | 12            | 178                    | 178             | 178                 | 390  | 3   | 8870  | 950             | 85             | F12                    |
| 350        | 14            | 190                    | 190             | 190                 | 442  | 3.5 | 9200  | 1850            | 135            | F14                    |
| 400        | 16            | 216                    | 216             | 216                 | 470  | 3.5 | 14500 | 1950            | 162            | F16                    |
| 450        | 18            | 222                    | 222             | 222                 | 520  | 3.5 | 20100 | 2100            | 198            | F16                    |
| 500        | 20            | 229                    | 229             | 229                 | 590  | 4   | 22000 | 3200            | 228            | F16                    |
| 600        | 24            | 267                    | 267             | 267                 | 650  | 4   | 31000 | 5120            | 354            | F25                    |
| 700        | 28            | 292                    | 292             | 292                 | 770  | 4   | 36000 | /               | /              | F25                    |
| 800        | 32            | 318                    | 318             | 318                 | 830  | 4.5 | 46400 | /               | /              | F30                    |
| 900        | 36            | 330                    | 330             | 330                 | 880  | 4.5 | 58000 | /               | /              | F35                    |
| 1000       | 40            | 410                    | 410             | 410                 | 980  | 5   | 63100 | /               | /              | F35                    |
| 1200       | 48            | 470                    | 470             | 470                 | 1070 | 5   | /     | /               | /              | F40                    |

Note: For larger sizes, please contact us for consultation.



YFM-D371F4/PFA



ZHONG DESIGN

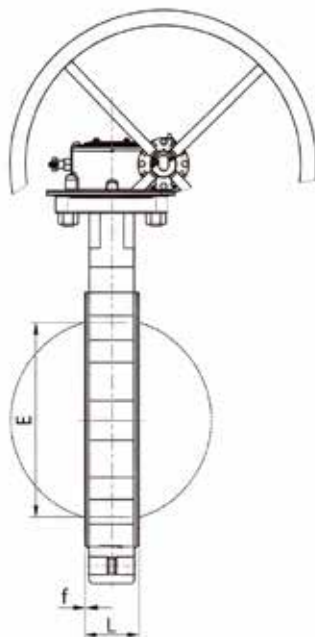
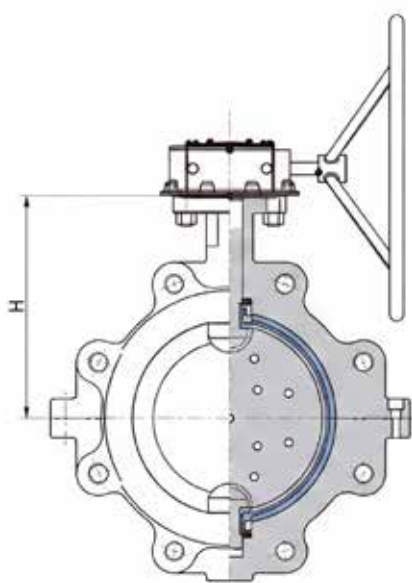
## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | ASME<br>Class 150<br>L | JIS<br>10K<br>L | DIN<br>PN10/16<br>L | E    | H    | f   | Cv    | Torque<br>(N·m) | Weight<br>(kg) | ISO<br>Mounting<br>Pad |
|------------|---------------|------------------------|-----------------|---------------------|------|------|-----|-------|-----------------|----------------|------------------------|
| 50         | 2             | 43                     | 43              | 43                  | 26   | 135  | 2.5 | 210   | 25              | 5              | F07                    |
| 65         | 2½            | 46                     | 46              | 46                  | 46   | 142  | 2.5 | 210   | 25              | 6              | F07                    |
| 80         | 3             | 46                     | 46              | 46                  | 66   | 165  | 2.5 | 410   | 50              | 8              | F07                    |
| 100        | 4             | 52                     | 52              | 52                  | 86   | 180  | 2.5 | 710   | 80              | 10             | F07                    |
| 125        | 5             | 56                     | 56              | 56                  | 112  | 228  | 2.5 | 1150  | 90              | 14             | F07                    |
| 150        | 6             | 56                     | 56              | 56                  | 140  | 278  | 3   | 1750  | 130             | 16             | F10                    |
| 200        | 8             | 60                     | 60              | 60                  | 191  | 295  | 3   | 3550  | 180             | 21             | F10                    |
| 250        | 10            | 68                     | 68              | 68                  | 241  | 341  | 3   | 5100  | 400             | 35             | F12                    |
| 300        | 12            | 78                     | 78              | 78                  | 290  | 390  | 3   | 8870  | 610             | 44             | F12                    |
| 350        | 14            | 78                     | 78              | 78                  | 342  | 442  | 3.5 | 9200  | 850             | 72             | F14                    |
| 400        | 16            | 102                    | 102             | 102                 | 387  | 470  | 3.5 | 14500 | 1170            | 91             | F16                    |
| 450        | 18            | 114                    | 114             | 114                 | 436  | 520  | 3.5 | 20100 | 1560            | 130            | F16                    |
| 500        | 20            | 127                    | 127             | 127                 | 484  | 590  | 4   | 22000 | 1820            | 166            | F16                    |
| 600        | 24            | 154                    | 154             | 154                 | 580  | 650  | 4   | 31000 | 2990            | 270            | F25                    |
| 700        | 28            | 165                    | 165             | 165                 | 680  | 770  | 4   | 36000 | 5200            | /              | F25                    |
| 800        | 32            | 190                    | 190             | 190                 | 778  | 830  | 4.5 | 46400 | 7200            | /              | F30                    |
| 900        | 36            | 203                    | 203             | 203                 | 877  | 880  | 4.5 | 58000 | 9800            | /              | F35                    |
| 1000       | 40            | 216                    | 216             | 216                 | 977  | 980  | 5   | 63100 | 13500           | /              | F35                    |
| 1200       | 48            | 254                    | 254             | 254                 | 1175 | 1070 | 5   | /     | 19000           | /              | F40                    |

Note: For larger sizes, please contact us for consultation.

# Lined Lug Butterfly Valve



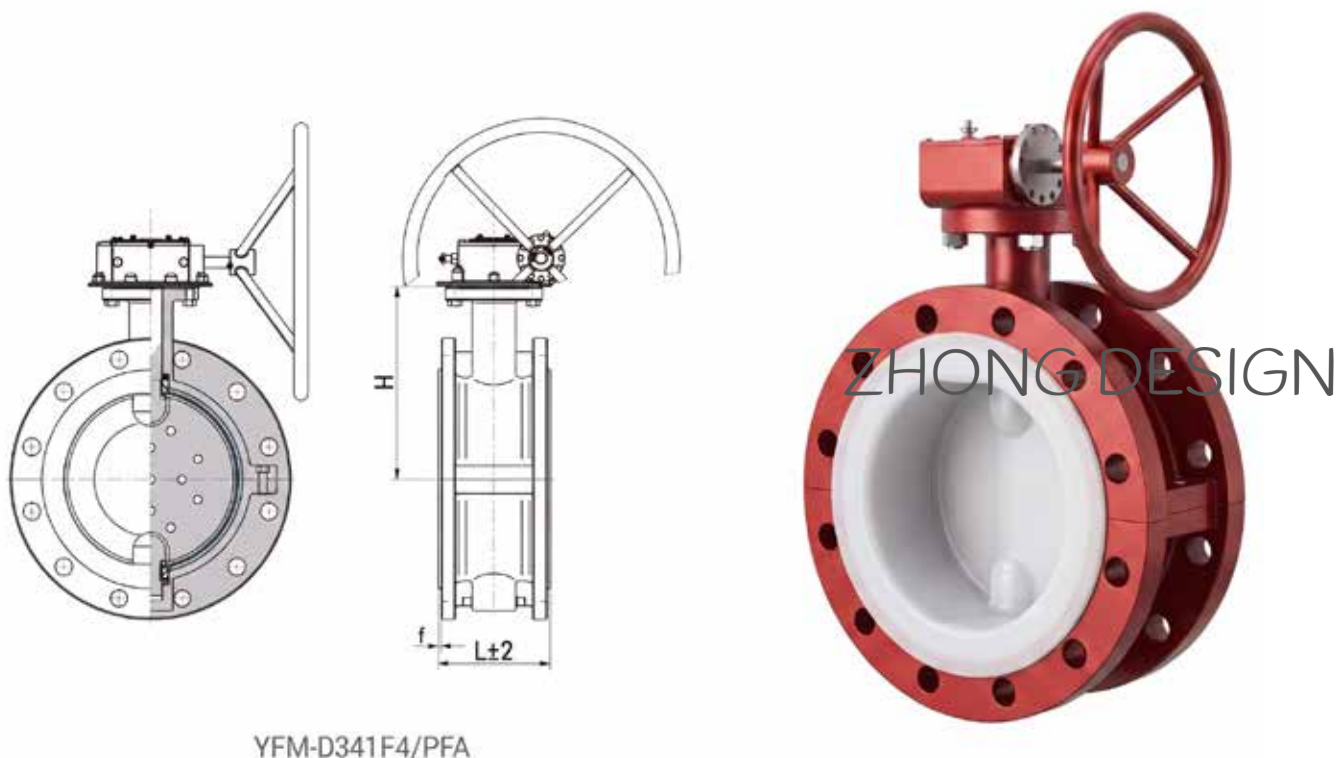
YFM-TD371F4/PFA

## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | ASME<br>Class 150<br>L | JIS<br>10K<br>L | DIN<br>PN10/16<br>L | E    | H    | f   | Cv    | Torque<br>(N·m) | Weight<br>(kg) | ISO<br>Mounting<br>Pad |
|------------|---------------|------------------------|-----------------|---------------------|------|------|-----|-------|-----------------|----------------|------------------------|
| 50         | 2             | 43                     | 43              | 43                  | 26   | 135  | 2.5 | 210   | 25              | 7              | F07                    |
| 65         | 2½            | 46                     | 46              | 46                  | 46   | 142  | 2.5 | 210   | 25              | 8              | F07                    |
| 80         | 3             | 46                     | 46              | 46                  | 66   | 165  | 2.5 | 410   | 50              | 11             | F07                    |
| 100        | 4             | 52                     | 52              | 52                  | 86   | 180  | 2.5 | 710   | 80              | 14             | F07                    |
| 125        | 5             | 56                     | 56              | 56                  | 112  | 228  | 2.5 | 1150  | 90              | 19             | F07                    |
| 150        | 6             | 56                     | 56              | 56                  | 140  | 278  | 3   | 1750  | 130             | 22             | F10                    |
| 200        | 8             | 60                     | 60              | 60                  | 191  | 295  | 3   | 3550  | 180             | 29             | F10                    |
| 250        | 10            | 68                     | 68              | 68                  | 241  | 341  | 3   | 5100  | 400             | 50             | F12                    |
| 300        | 12            | 78                     | 78              | 78                  | 290  | 390  | 3   | 8870  | 610             | 62             | F12                    |
| 350        | 14            | 78                     | 78              | 78                  | 342  | 442  | 3.5 | 9200  | 850             | 100            | F14                    |
| 400        | 16            | 102                    | 102             | 102                 | 387  | 470  | 3.5 | 14500 | 1170            | 128            | F16                    |
| 450        | 18            | 114                    | 114             | 114                 | 436  | 520  | 3.5 | 20100 | 1560            | 182            | F16                    |
| 500        | 20            | 127                    | 127             | 127                 | 484  | 590  | 4   | 22000 | 1820            | 235            | F16                    |
| 600        | 24            | 154                    | 154             | 154                 | 580  | 650  | 4   | 31000 | 2990            | 380            | F25                    |
| 700        | 28            | 165                    | 165             | 165                 | 680  | 770  | 4   | 36000 | 5200            | /              | F25                    |
| 800        | 32            | 190                    | 190             | 190                 | 778  | 830  | 4.5 | 46400 | 7200            | /              | F30                    |
| 900        | 36            | 203                    | 203             | 203                 | 877  | 880  | 4.5 | 58000 | 9800            | /              | F35                    |
| 1000       | 40            | 216                    | 216             | 216                 | 977  | 980  | 5   | 63100 | 13500           | /              | F35                    |
| 1200       | 48            | 254                    | 254             | 254                 | 1175 | 1070 | 5   | /     | 19000           | /              | F40                    |

Note: For larger sizes, please contact us for consultation.



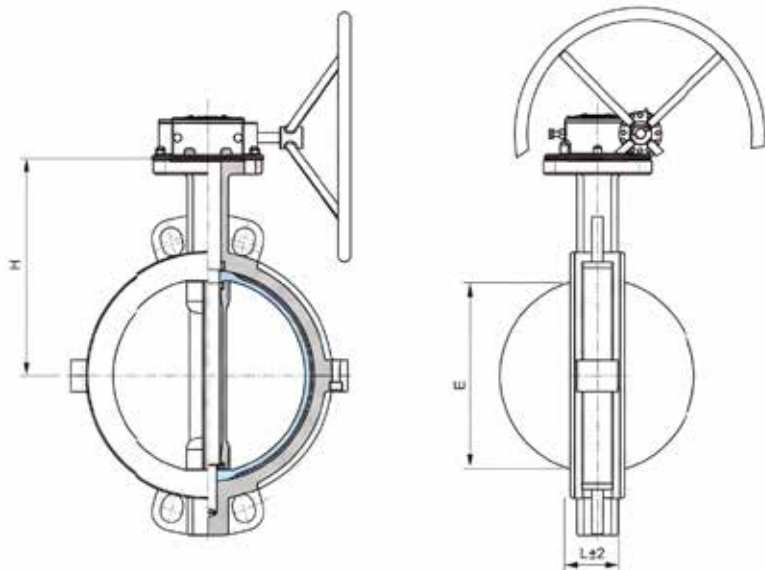
## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | ASME<br>Class 150<br>L | JIS<br>10K<br>L | DIN<br>PN10/16<br>L | H    | f   | Cv    | Torque<br>(N·m) | Weight<br>(kg) | ISO<br>Mounting<br>Pad |
|------------|---------------|------------------------|-----------------|---------------------|------|-----|-------|-----------------|----------------|------------------------|
| 50         | 2             | 108                    | 108             | 108                 | 135  | 2.5 | 210   | 25              | 10             | F07                    |
| 65         | 2½            | 112                    | 112             | 112                 | 142  | 2.5 | 210   | 25              | 12             | F07                    |
| 80         | 3             | 114                    | 114             | 114                 | 165  | 2.5 | 410   | 50              | 16             | F07                    |
| 100        | 4             | 127                    | 127             | 127                 | 180  | 2.5 | 710   | 80              | 19             | F07                    |
| 125        | 5             | 140                    | 140             | 140                 | 288  | 2.5 | 1150  | 90              | 25             | F07                    |
| 150        | 6             | 140                    | 140             | 140                 | 278  | 3   | 1750  | 130             | 35             | F10                    |
| 200        | 8             | 152                    | 152             | 152                 | 295  | 3   | 3550  | 180             | 44             | F10                    |
| 250        | 10            | 165                    | 165             | 165                 | 341  | 3   | 5100  | 400             | 66             | F12                    |
| 300        | 12            | 178                    | 178             | 178                 | 390  | 3   | 8870  | 610             | 85             | F12                    |
| 350        | 14            | 190                    | 190             | 190                 | 442  | 3.5 | 9200  | 850             | 135            | F14                    |
| 400        | 16            | 216                    | 216             | 216                 | 470  | 3.5 | 14500 | 1170            | 162            | F16                    |
| 450        | 18            | 222                    | 222             | 222                 | 520  | 3.5 | 20100 | 1560            | 198            | F16                    |
| 500        | 20            | 229                    | 229             | 229                 | 590  | 4   | 22000 | 1820            | 228            | F16                    |
| 600        | 24            | 267                    | 267             | 267                 | 650  | 4   | 31000 | 2990            | 354            | F25                    |
| 700        | 28            | 292                    | 292             | 292                 | 770  | 4   | 36000 | 5200            | /              | F25                    |
| 800        | 32            | 318                    | 318             | 318                 | 830  | 4.5 | 46400 | 7200            | /              | F30                    |
| 900        | 36            | 330                    | 330             | 330                 | 880  | 4.5 | 58000 | 9800            | /              | F35                    |
| 1000       | 40            | 410                    | 410             | 410                 | 980  | 5   | 63100 | 13500           | /              | F35                    |
| 1200       | 48            | 470                    | 470             | 470                 | 1070 | 5   | /     | 19000           | /              | F40                    |

Note: For larger sizes, please contact us for consultation.

# Lined Wafer Butterfly Valve



YFM-D371F/P



ZHONG DESIGN

## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | ASME<br>Class 150<br>L | JIS<br>10K<br>L | DIN<br>PN10/16<br>L | E    | H    | f   | Cv    | Torque<br>(N·m) | Weight<br>(kg) | ISO<br>Mounting<br>Pad |
|------------|---------------|------------------------|-----------------|---------------------|------|------|-----|-------|-----------------|----------------|------------------------|
| 50         | 2             | 43                     | 43              | 43                  | 26   | 135  | 2.5 | 210   | 25              | 5              | F07                    |
| 65         | 2½            | 46                     | 46              | 46                  | 46   | 142  | 2.5 | 210   | 25              | 6              | F07                    |
| 80         | 3             | 46                     | 46              | 46                  | 66   | 165  | 2.5 | 410   | 50              | 8              | F07                    |
| 100        | 4             | 52                     | 52              | 52                  | 86   | 180  | 2.5 | 710   | 80              | 10             | F07                    |
| 125        | 5             | 56                     | 56              | 56                  | 112  | 228  | 2.5 | 1150  | 90              | 14             | F07                    |
| 150        | 6             | 56                     | 56              | 56                  | 140  | 278  | 3   | 1750  | 130             | 16             | F10                    |
| 200        | 8             | 60                     | 60              | 60                  | 191  | 295  | 3   | 3550  | 180             | 21             | F10                    |
| 250        | 10            | 68                     | 68              | 68                  | 241  | 341  | 3   | 5100  | 400             | 35             | F12                    |
| 300        | 12            | 78                     | 78              | 78                  | 290  | 390  | 3   | 8870  | 610             | 44             | F12                    |
| 350        | 14            | 78                     | 78              | 78                  | 342  | 442  | 3.5 | 9200  | 850             | 72             | F14                    |
| 400        | 16            | 102                    | 102             | 102                 | 387  | 470  | 3.5 | 14500 | 1170            | 91             | F16                    |
| 450        | 18            | 114                    | 114             | 114                 | 436  | 520  | 3.5 | 20100 | 1560            | 130            | F16                    |
| 500        | 20            | 127                    | 127             | 127                 | 484  | 590  | 4   | 22000 | 1820            | 166            | F16                    |
| 600        | 24            | 154                    | 154             | 154                 | 580  | 650  | 4   | 31000 | 2990            | 270            | F25                    |
| 700        | 28            | 165                    | 165             | 165                 | 680  | 770  | 4   | 36000 | 5200            | /              | F25                    |
| 800        | 32            | 190                    | 190             | 190                 | 778  | 830  | 4.5 | 46400 | 7200            | /              | F30                    |
| 900        | 36            | 203                    | 203             | 203                 | 877  | 880  | 4.5 | 58000 | 9800            | /              | F35                    |
| 1000       | 40            | 216                    | 216             | 216                 | 977  | 980  | 5   | 63100 | 13500           | /              | F35                    |
| 1200       | 48            | 254                    | 254             | 254                 | 1175 | 1070 | 5   | /     | 19000           | /              | F40                    |

Note: For larger sizes, please contact us for consultation.



YFM-D71F4



YFM-TD371F4



YFM-D341F4

ZHONG DESIGN



YFM-D371F46/PFA/PO



YFM-TD371F46/PFA/PO



YFM-D341F46/PFA/PO



YFM-D371F4/PEA



YFM-TD371F4/PFA



YFM-D341F4/PFA

## TECHNICAL SPECIFICATION

| Item                   | Parameter                                   |
|------------------------|---------------------------------------------|
| Size                   | 15mm~200mm(0.5"~8")                         |
| Working pressure       | 0.1mbar-16bar                               |
| Temperature range      | -29°C~180°C                                 |
| Design and Manufacture | MSS SP-88, HG/T 3704                        |
| Face to Face           | DIN 3202, HG/T 3704                         |
| Flange Ends            | ASME B16.5, DIN 2532, JIS B2220, HG/T 20592 |
| Visual Inspection      | MSS SP54, HG/T 3704                         |
| Testing                | API 598, GB/T 13927                         |
| Pressure & Temperature | ASME B16.34                                 |
| Operator Type          | Lever, Gear, Pneumatic, Electric            |
| Spark testing          | 15KV                                        |



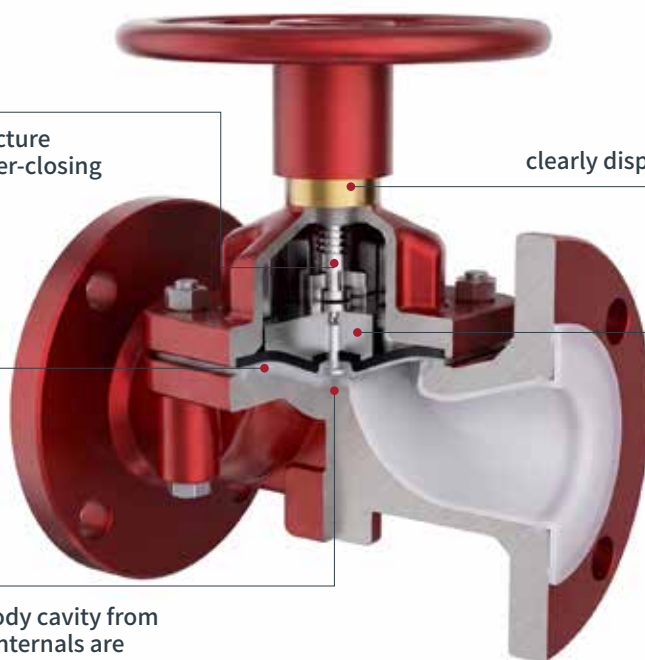
Equipped with limit stop structure to prevent over-opening & over-closing

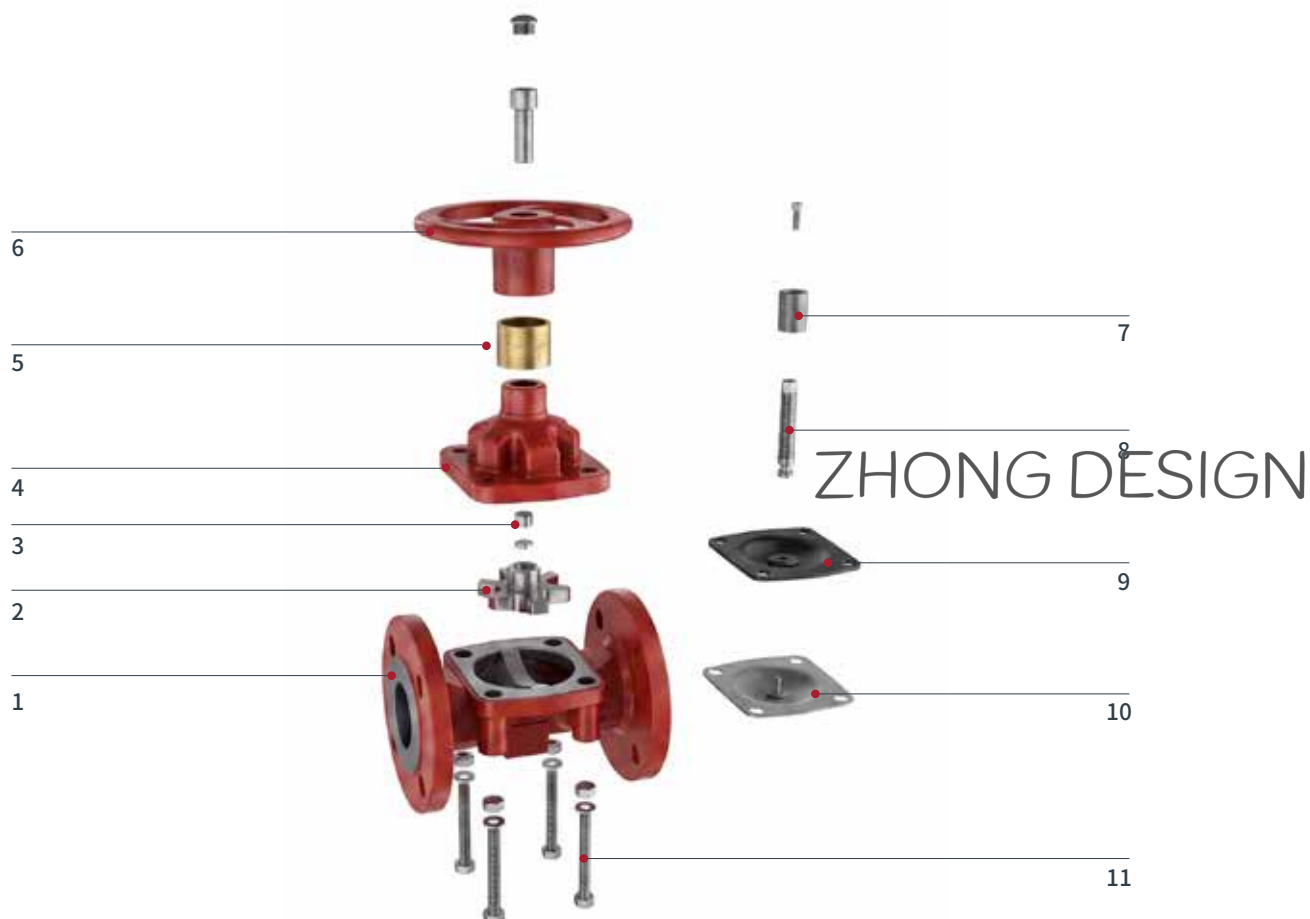
Valve Position Indicator, clearly displays valve opening/closing position

Reinforced diaphragm for long service life & zero leakage; low flow resistance, high flow capacity

Weir-type sealing structure reliably cuts off pipeline medium flow

Diaphragm separates valve body cavity from bonnet cavity, stem & upper internals are isolated from process medium

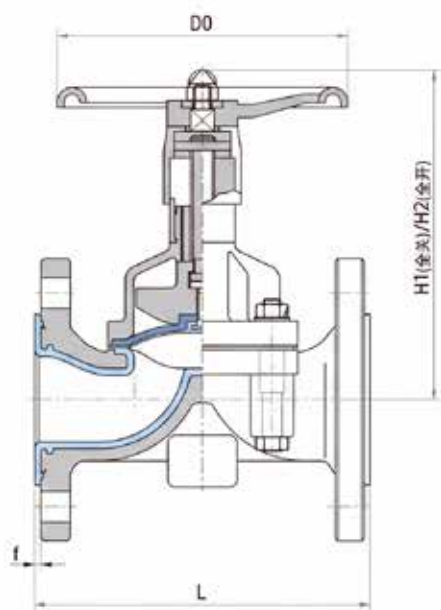




## MAIN MATERIALS

| No. | DESCRIPTION      | MATERIAL                                              | ASTM                 | JIS                         | DIN                              |
|-----|------------------|-------------------------------------------------------|----------------------|-----------------------------|----------------------------------|
| 1.  | Body             | Carbon Steel+PFA/FEP/PO<br>Stainless Steel+PFA/FEP/PO | A216 WCB<br>A351 CF8 | G5151-SCPH2<br>G5121-SCS13A | GS-45(1.0446)<br>G-X6CrNiMo1810  |
| 2.  | Disc             | Carbon Steel<br>Stainless Steel                       | A216 WCB<br>A351 CF8 | G5151-SCPH2<br>G5121-SCS13A | GS-45(1.0446)<br>G-X6CrNiMo1810  |
| 3.  | Bushing          | Carbon Steel<br>Stainless Steel                       | A216 WCB<br>A351 CF8 | G5151-SCPH2<br>G5121-SCS13A | GS-45(1.0446)<br>G-X6CrNiMo1810  |
| 4.  | Bonnet           | Carbon Steel<br>Stainless Steel                       | A216 WCB<br>A351 CF8 | G5151-SCPH2<br>G5121-SCS13A | GS-45(1.0446)<br>G-X6CrNiMo1810  |
| 5.  | Sleeve           | Stainless Steel                                       | A182 F304            | G4303-SUSF304               | X5CrNi18 10 DIN 1.4301           |
| 6.  | Handwheel        | Carbon Steel                                          | A216 WCB             | G5151-SCPH2                 | GS-45(1.0446)                    |
| 7.  | Stem Nut         | Brass                                                 | —                    | —                           | —                                |
| 8.  | Stem             | 20Cr13                                                | 420                  | SUS420J1                    | X20Cr13(1.4021)                  |
| 9.  | Rubber Diaphragm | EPDM                                                  | —                    | —                           | —                                |
| 10. | PFA Diaphragm    | PFA/FEP/PO                                            | —                    | —                           | —                                |
| 11. | Bolt             | Carbon Steel<br>Stainless Steel                       | A193 B7<br>A320 B8   | G4107-SNB7<br>G4303-SUS304  | 2.4668<br>X5CrNi18 10 DIN 1.4301 |

Note: For larger sizes, please contact us for consultation.



YFM-G41PFA/F46/PO



## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | ASME<br>Class 150<br>L | JIS<br>10K<br>L | DIN<br>PN10<br>L | f   | Fully Closed<br>H1 | Fully Open<br>H2 | D0  | Cv   | Weight<br>Kg |
|------------|---------------|------------------------|-----------------|------------------|-----|--------------------|------------------|-----|------|--------------|
| 15         | 1/2           | 125                    | 125             | 125              | 2.5 | 89                 | 98               | 120 | 5    | 2            |
| 20         | 3/4           | 135                    | 135             | 135              | 2.5 | 91                 | 100              | 120 | 9    | 3            |
| 25         | 1             | 145                    | 145             | 145              | 2.5 | 99                 | 112              | 160 | 20   | 4            |
| 32         | 1 1/4         | 160                    | 160             | 160              | 2.5 | 99                 | 112              | 160 | 27   | 5            |
| 40         | 1 1/2         | 180                    | 180             | 180              | 3   | 154                | 173              | 180 | 45   | 7            |
| 50         | 2             | 210                    | 210             | 210              | 3   | 155                | 176              | 180 | 59   | 11           |
| 65         | 2 1/2         | 250                    | 250             | 250              | 3   | 195                | 224              | 220 | 83   | 15           |
| 80         | 3             | 300                    | 300             | 300              | 3   | 225                | 261              | 250 | 148  | 23           |
| 100        | 4             | 350                    | 350             | 350              | 3.5 | 280                | 320              | 280 | 269  | 34           |
| 125        | 5             | 400                    | 400             | 400              | 3.5 | 310                | 365              | 350 | 362  | 48           |
| 150        | 6             | 460                    | 460             | 460              | 4   | 380                | 440              | 400 | 505  | 72           |
| 200        | 8             | 570                    | 570             | 570              | 4.5 | /                  | /                | 450 | 1320 | 110          |
| 250        | 10            | 680                    | 680             | 680              | 4.5 | /                  | /                | 500 | 2000 | 190          |
| 300        | 12            | 790                    | 790             | 790              | 4.5 | /                  | /                | 500 | 3624 | /            |

Note: For larger sizes, please contact us for consultation.

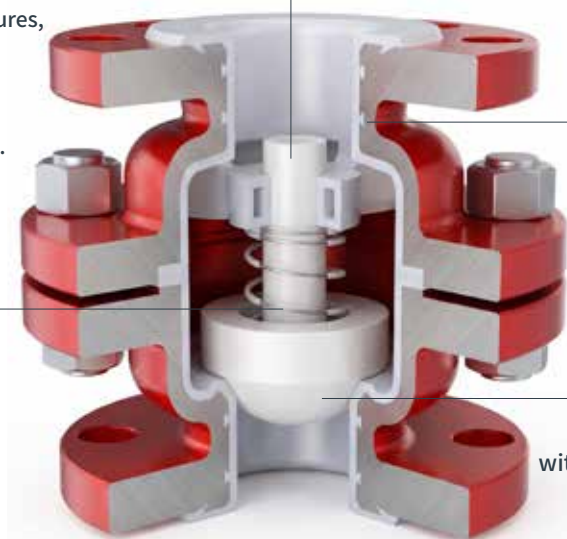
## TECHNICAL SPECIFICATION

| Item                   | Parameter                                   |
|------------------------|---------------------------------------------|
| Size                   | 15mm~600mm(0.5"~24")                        |
| Working pressure       | 0.1mbar-16bar                               |
| Temperature range      | -29°C~180°C                                 |
| Design and Manufacture | HG/T 3704                                   |
| Face to Face           | ASME B16.10, DIN 3202                       |
| Flange Ends            | ASME B16.5, DIN 2532, JIS B2220, HG/T 20592 |
| Visual Inspection      | MSS SP54, HG/T 3704                         |
| Testing                | API 598, GB/T 13927                         |
| Pressure & Temperature | ASME B16.34                                 |
| Operator Type          | /                                           |
| Spark testing          | 15KV                                        |



The valve body, bonnet and disc are equipped with guiding structures, which keep the disc concentric during the opening and closing of the check valve. The disc is less prone to eccentricity when closing, preventing valve leakage.

Equipped with a compression spring to enhance sealing performance and prevent medium leakage.



Special grooves on valve body casting firmly lock the lining

The disc adopts a spherical structure with low flow resistance and pressure loss.



ZHONG DESIGN

YH40



H41



H42



SH42



H74



H40



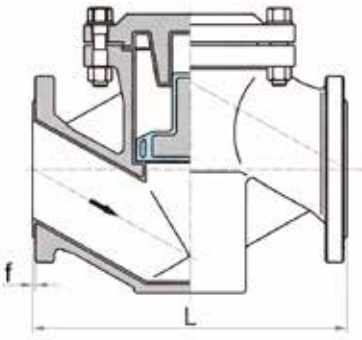
SH40



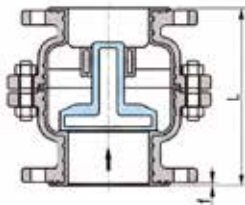
H44



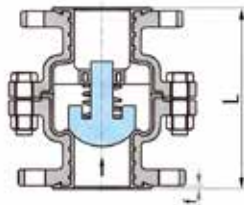
H76



YFM-H41



YFM-H42



YFM-SH42



ZHONG DESIGN

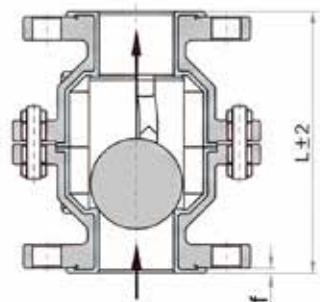


## DIMENSIONS

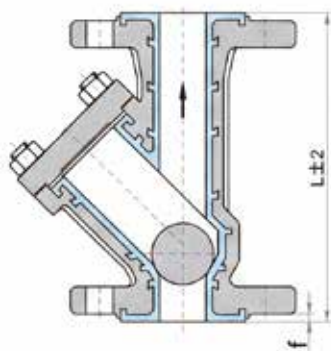
Unit: mm

| DN<br>(mm) | NPS<br>(inch) | H41 |    | H42/SH42 |    | f   |
|------------|---------------|-----|----|----------|----|-----|
|            |               | L   | Kg | L        | Kg |     |
| 15         | 1/2           | 105 | 3  | 130      | /  | 2.5 |
| 20         | 3/4           | 105 | 4  | 150      | /  | 2.5 |
| 25         | 1             | 105 | 5  | 160      | 4  | 2.5 |
| 32         | 1 1/4         | 110 | 7  | 180      | 6  | 2.5 |
| 40         | 1 1/2         | 125 | 8  | 200      | 7  | 3   |
| 50         | 2             | 140 | 11 | 230      | 9  | 3   |
| 65         | 2 1/2         | 160 | 17 | 290      | 13 | 3   |
| 80         | 3             | 185 | 23 | 310      | 18 | 3   |
| 100        | 4             | 210 | 28 | 350      | 24 | 3.5 |
| 125        | 5             | 250 | 46 | 400      | 32 | 3.5 |
| 150        | 6             | 300 | 55 | 480      | 55 | 4   |
| 200        | 8             | 460 | 87 | 600      | 84 | 4.5 |
| 250        | 10            | 520 | /  | 730      | 97 | 4.5 |
| 300        | 12            | 700 | /  | 850      | /  | 4.5 |
| 350        | 14            | 750 | /  | /        | /  | 5   |

Note: For larger sizes, please contact us for consultation.



YFM-H40



YFM-YH40



ZHONG DESIGN

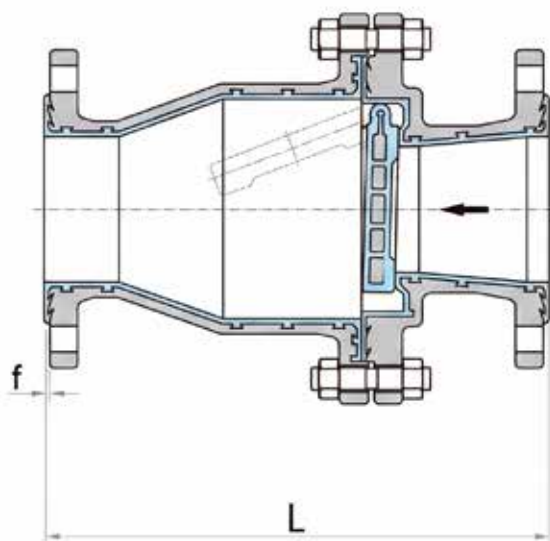


## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | H40 |    | YH40 |    | f   |
|------------|---------------|-----|----|------|----|-----|
|            |               | L   | Kg | L    | Kg |     |
| 15         | 1/2           | 130 | /  | 160  | /  | 2.5 |
| 20         | 3/4           | 150 | /  | 160  | /  | 2.5 |
| 25         | 1             | 160 | 5  | 160  | /  | 2.5 |
| 32         | 1 1/4         | 180 | 10 | /    | /  | 2.5 |
| 40         | 1 1/2         | 200 | 11 | 180  | /  | 3   |
| 50         | 2             | 230 | 13 | 230  | /  | 3   |
| 65         | 2 1/2         | 290 | 19 | /    | /  | 3   |
| 80         | 3             | 310 | 30 | 310  | /  | 3   |
| 100        | 4             | 350 | 42 | 350  | /  | 3.5 |
| 125        | 5             | 400 | /  | /    | /  | 3.5 |
| 150        | 6             | 394 | /  | /    | /  | 4   |

Note: For larger sizes, please contact us for consultation.



YFM-H44

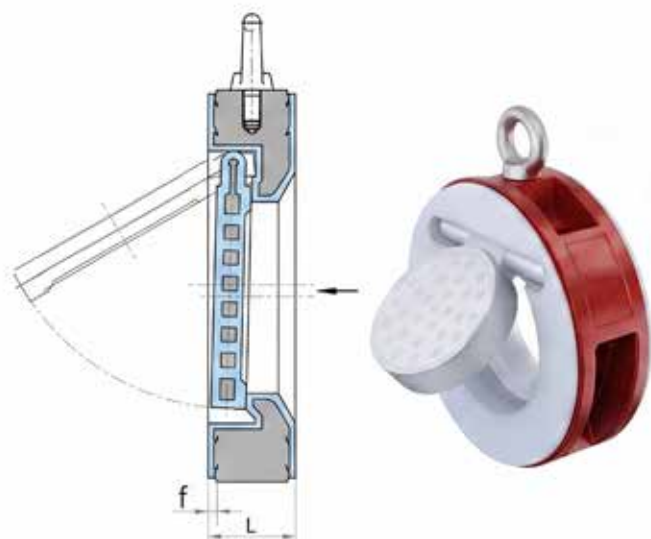


## DIMENSIONS

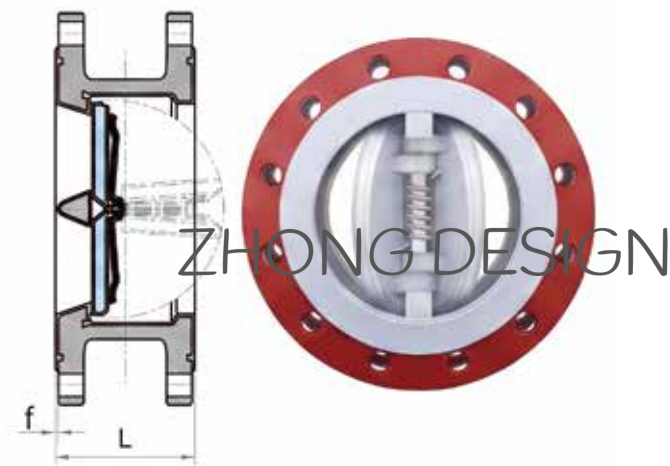
Unit: mm

| DN<br>(mm) | NPS<br>(inch) | L    | f   | Kg  |
|------------|---------------|------|-----|-----|
| 15         | 1/2           | 130  | 2.5 | 3   |
| 20         | 3/4           | 150  | 2.5 | 4   |
| 25         | 1             | 160  | 2.5 | 5   |
| 32         | 1 1/4         | 180  | 2.5 | 8   |
| 40         | 1 1/2         | 200  | 3   | 9   |
| 50         | 2             | 230  | 3   | 11  |
| 65         | 2 1/2         | 290  | 3   | 16  |
| 80         | 3             | 310  | 3   | 21  |
| 100        | 4             | 350  | 3.5 | 30  |
| 125        | 5             | 400  | 3.5 | 41  |
| 150        | 6             | 480  | 4   | 62  |
| 200        | 8             | 495  | 4.5 | 89  |
| 250        | 10            | 550  | 4.5 | 134 |
| 300        | 12            | 620  | 4.5 | 203 |
| 350        | 14            | 720  | 5   | /   |
| 400        | 16            | 820  | 5   | /   |
| 450        | 18            | 920  | 5.5 | /   |
| 500        | 20            | 1020 | 5.5 | /   |

Note: For larger sizes, please contact us for consultation.



YFM-H74



YFM-H76

## DIMENSIONS

Unit: mm

| DN<br>(mm) | NPS<br>(inch) | H74 |    | H76 |     | f   |
|------------|---------------|-----|----|-----|-----|-----|
|            |               | L   | Kg | L   | Kg  |     |
| 50         | 2             | 46  | 2  | 60  | 2   | 3   |
| 65         | 2 1/2         | 46  | 3  | 66  | 3   | 3   |
| 80         | 3             | 46  | 3  | 73  | 4   | 3   |
| 100        | 4             | 52  | 5  | 73  | 5   | 3.5 |
| 125        | 5             | 56  | 8  | 86  | 9   | 3.5 |
| 150        | 6             | 56  | 10 | 98  | 13  | 4   |
| 200        | 8             | 60  | 15 | 127 | 23  | 4.5 |
| 250        | 10            | 68  | 24 | 146 | 35  | 4.5 |
| 300        | 12            | 78  | 38 | 181 | 50  | 4.5 |
| 350        | 14            | 78  | 49 | 184 | 65  | 5   |
| 400        | 16            | 102 | /  | 190 | 90  | 5   |
| 450        | 18            | 114 | /  | 203 | 118 | 5.5 |
| 500        | 20            | 127 | /  | 219 | 135 | 5.5 |
| 600        | 24            | 154 | /  | 222 | 195 | 5.5 |

Note: For larger sizes, please contact us for consultation.