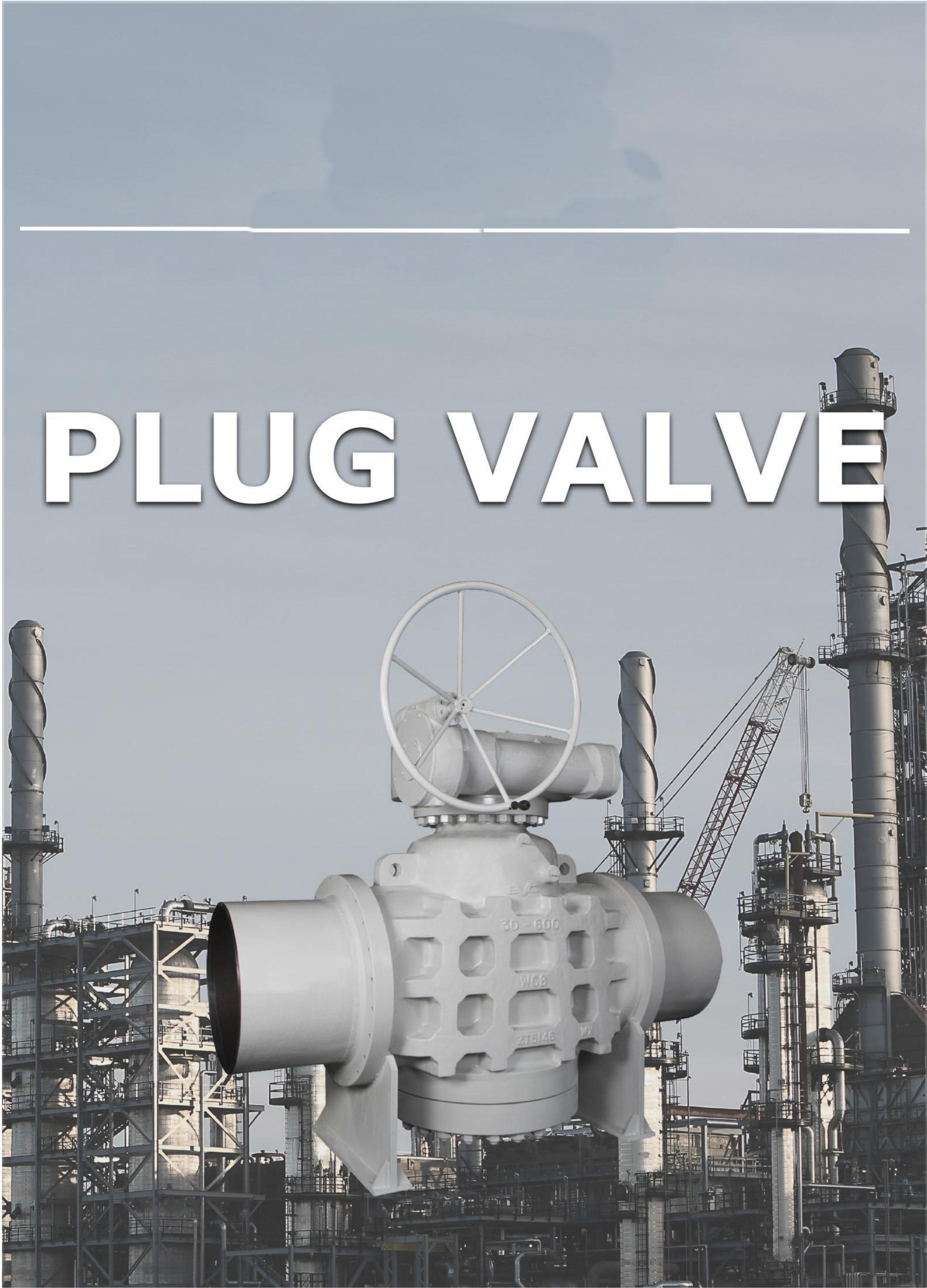




# PLUG VALVE

# ANSI PLUG VALVES



Chief Features

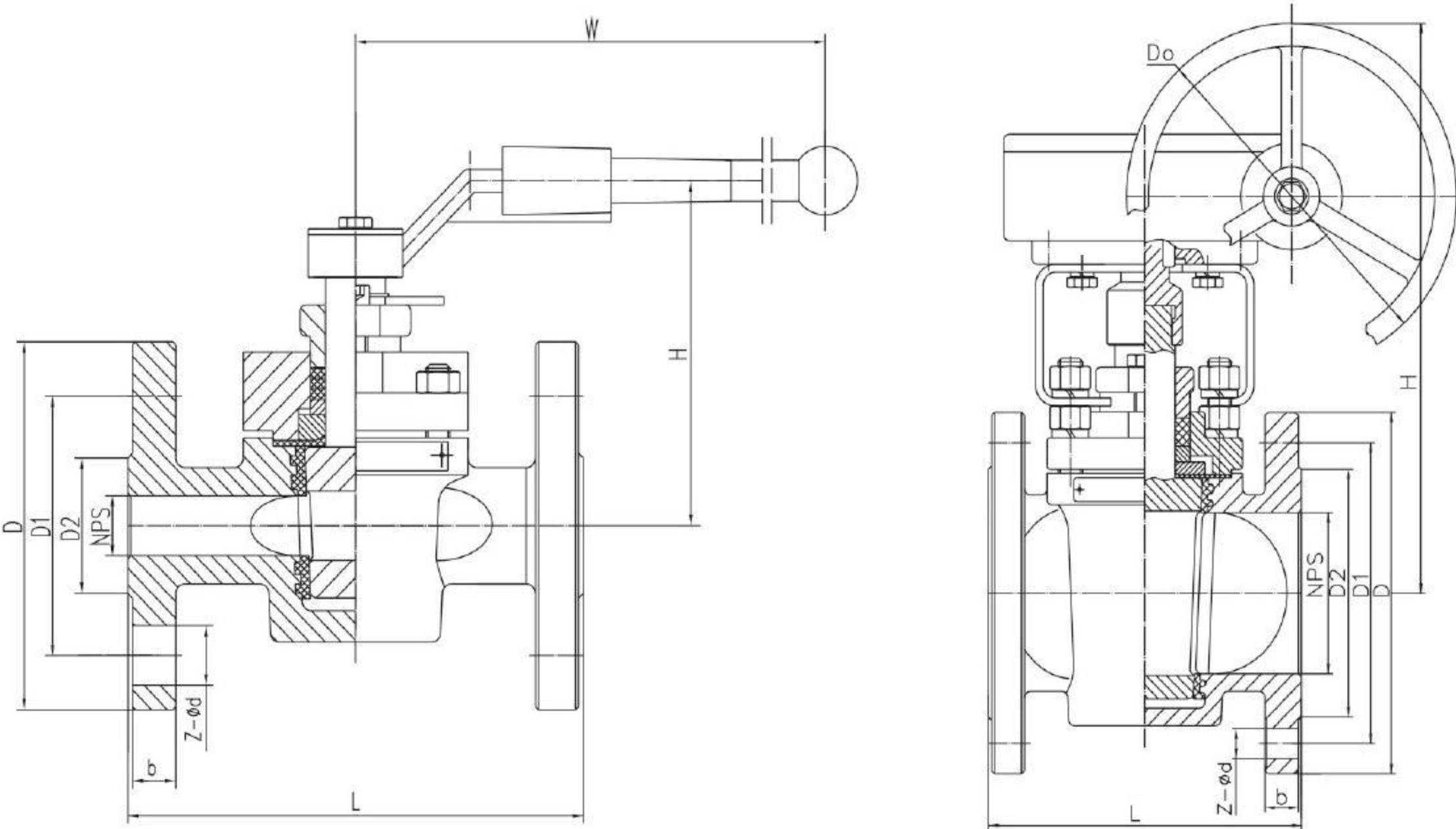
- THROUGH TYPE, INTEGER BODY
- PTFE SLEEVED REPLACING SEAT
- HIGH CV VALUE, FLOW CAPACITY STRONG
- NO CAVITY CHANNEL, FLOW RESISTANCE SMALL
- STRUCTURE IMPROVE ON API
- DOUBLE SEAL, ADJUSTING REDUNDANCY STRUCTURE
- ONE PIECE PROOR OUT PLUG
- ANTI STATIC AND FIRE DURABLE STRUCTURE
- FLANGED ENDS

Product Specification

| Design Spec.    | Face to Face | Flange End  | Test & Check | Marking   | Supply   |
|-----------------|--------------|-------------|--------------|-----------|----------|
| API 599         | ASME B16.10  | ASME B.16.5 | API 598      | MSS SP-25 | API 599  |
| DIN3352/BS 5353 | DIN 3202     | DIN 2501    | DIN 3230     | DIN 3211  | DIN 3352 |

Main Part Material

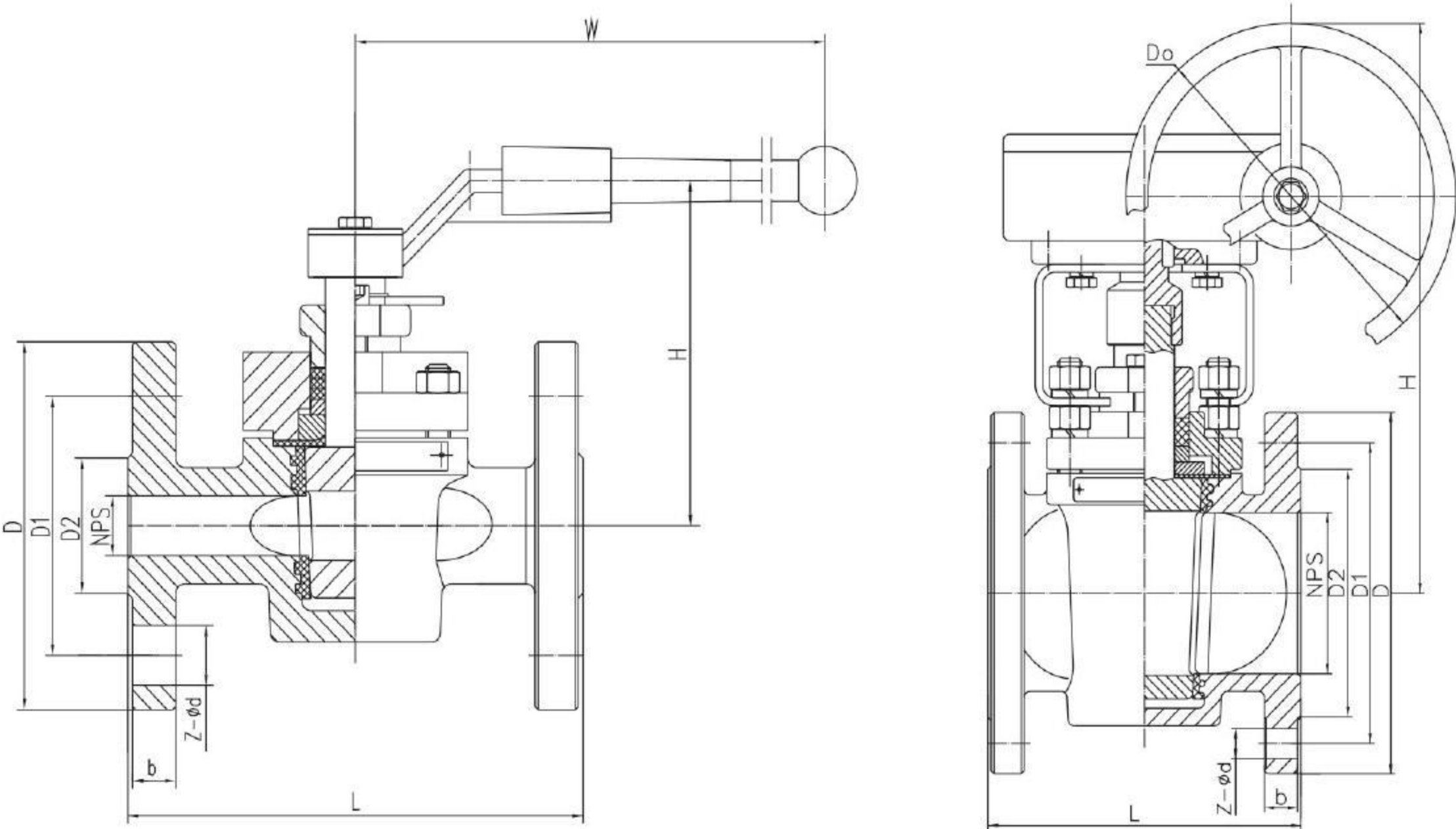
| Part Material         |                   |             |           |             |           | Part Name          |
|-----------------------|-------------------|-------------|-----------|-------------|-----------|--------------------|
| A216-WCB              | A352-LCB          | A351-CF8    | A351-CF8M | A351-CF3    | A351-CF3M | Body               |
| A351-CF8              |                   | A351-CF8    | A351-CF8M | A351-CF3    | A351-CF3M | Plug               |
| PTFE,R.PTFE           |                   | PTFE,R.PTFE |           | PTFE,R.PTFE |           | Seat               |
| Flexible Graphite/FPM |                   |             |           |             |           | Seal Ring          |
| A193-B7               |                   | A193-B8M    |           | A193-B8M    |           | Bolt               |
| -29~200℃              | -46~200℃          | -40~200℃    |           | -40~200℃    |           | Suitable Temp.     |
| Water,Oil,Gas         | Propane<br>Ethene | Nitric Acid |           | Acetic Acid |           | Suitable<br>Medium |



Main External and Connection Dimension

Unit: mm

| Order No.                                                              | Type                        | NPS    | DN  | Class 150Lb/Class 300Lb |     |                |                |    |         |     |     |                | WT<br>(kg) |
|------------------------------------------------------------------------|-----------------------------|--------|-----|-------------------------|-----|----------------|----------------|----|---------|-----|-----|----------------|------------|
|                                                                        |                             | in     | mm  | L                       | D   | D <sub>1</sub> | D <sub>2</sub> | b  | Z-φ d   | H   | W   | D <sub>0</sub> |            |
| LX-177A<br>LX-177B                                                     | X43F-150Lb<br>X343F-150Lb   | 1/2"   | 15  | 108                     | 89  | 35             | 60.5           | 9  | 4-φ 15  | 110 | 175 | -              | 6.5        |
|                                                                        |                             | 3/4"   | 20  | 117                     | 98  | 43             | 70             | 9  | 4-φ 15  | 115 | 175 | -              | 7.0        |
|                                                                        |                             | 1"     | 25  | 127                     | 108 | 51             | 79.5           | 10 | 4-φ 15  | 115 | 175 | -              | 8.0        |
|                                                                        |                             | 1 1/4" | 32  | 140                     | 117 | 64             | 89             | 11 | 4-φ 15  | 135 | 220 | -              | 11         |
| LX-177C<br>LX-177D                                                     | X43F-150LbP<br>X343F-150LbP | 1 1/2" | 40  | 165                     | 127 | 73             | 98.5           | 13 | 4-φ 15  | 140 | 280 | -              | 15         |
|                                                                        |                             | 2"     | 50  | 178                     | 152 | 92             | 120.5          | 14 | 4-φ 19  | 150 | 305 | -              | 18         |
|                                                                        |                             | 2 1/2" | 65  | 190                     | 178 | 105            | 139.5          | 16 | 4-φ 19  | 165 | 350 | -              | 26         |
|                                                                        |                             | 3"     | 80  | 203                     | 190 | 127            | 152.5          | 17 | 4-φ 19  | 180 | 405 | -              | 36         |
| LX-177E<br>LX-177F                                                     | X43F-150LbR<br>X343F-150LbR | 4"     | 100 | 229                     | 229 | 157            | 190.5          | 22 | 4-φ 19  | 380 | -   | 300            | 44         |
|                                                                        |                             | 6"     | 150 | 267                     | 279 | 216            | 241.5          | 24 | 8-φ 22  | 520 | -   | 320            | 60         |
|                                                                        |                             | 8"     | 200 | 292                     | 343 | 270            | 298.5          | 27 | 8-φ 22  | 580 | -   | 320            | 81         |
|                                                                        |                             | 10"    | 250 | 330                     | 406 | 324            | 362            | 29 | 12-φ 25 | 620 | -   | 350            | 147        |
| LX-177G<br>LX-177H<br><br>LX-177I<br>LX-177J<br><br>LX-177K<br>LX-177L | X43F-300Lb<br>X343F-300Lb   | 12"    | 300 | 356                     | 483 | 381            | 432            | 30 | 12-φ 25 | 680 | -   | 380            | 217        |
|                                                                        |                             | 1/2"   | 15  | 140                     | 95  | 35             | 66.5           | 13 | 4-φ 15  | 110 | 175 | -              | 7          |
|                                                                        |                             | 3/4"   | 20  | 152                     | 117 | 43             | 82.5           | 14 | 4-φ 19  | 115 | 175 | -              | 7.5        |
|                                                                        |                             | 1"     | 25  | 165                     | 124 | 51             | 89             | 16 | 4-φ 19  | 115 | 175 | -              | 8.5        |
|                                                                        | X43F-300LbP<br>X343F-300LbP | 1 1/4" | 32  | 178                     | 133 | 64             | 98.5           | 17 | 4-φ 19  | 135 | 220 | -              | 13         |
|                                                                        |                             | 1 1/2" | 40  | 190                     | 156 | 73             | 114.5          | 19 | 4-φ 22  | 140 | 280 | -              | 17         |
|                                                                        |                             | 2"     | 50  | 216                     | 165 | 92             | 127            | 21 | 8-φ 19  | 150 | 305 | -              | 22         |
|                                                                        |                             | 2 1/2" | 65  | 241                     | 190 | 105            | 149            | 24 | 8-φ 22  | 165 | 350 | -              | 29         |
|                                                                        | X43F-300LbR<br>X343F-300LbR | 3"     | 80  | 283                     | 210 | 127            | 168.5          | 27 | 8-φ 22  | 180 | 405 | 300            | 41         |
|                                                                        |                             | 4"     | 100 | 305                     | 154 | 157            | 200            | 30 | 8-φ 22  | 380 | -   | 320            | 50         |
|                                                                        |                             | 6"     | 150 | 403                     | 318 | 216            | 270            | 35 | 12-φ 22 | 520 | -   | 320            | 68         |
|                                                                        |                             | 8"     | 200 | 419                     | 381 | 270            | 330            | 40 | 12-φ 25 | 580 | -   | 350            | 87         |
|                                                                        |                             | 10"    | 250 | 457                     | 445 | 324            | 387.5          | 46 | 16-φ 29 | 620 | -   | 350            | 155        |
|                                                                        |                             | 12"    | 300 | 502                     | 521 | 381            | 451            | 49 | 16-φ 32 | 680 | -   | 380            | 230        |

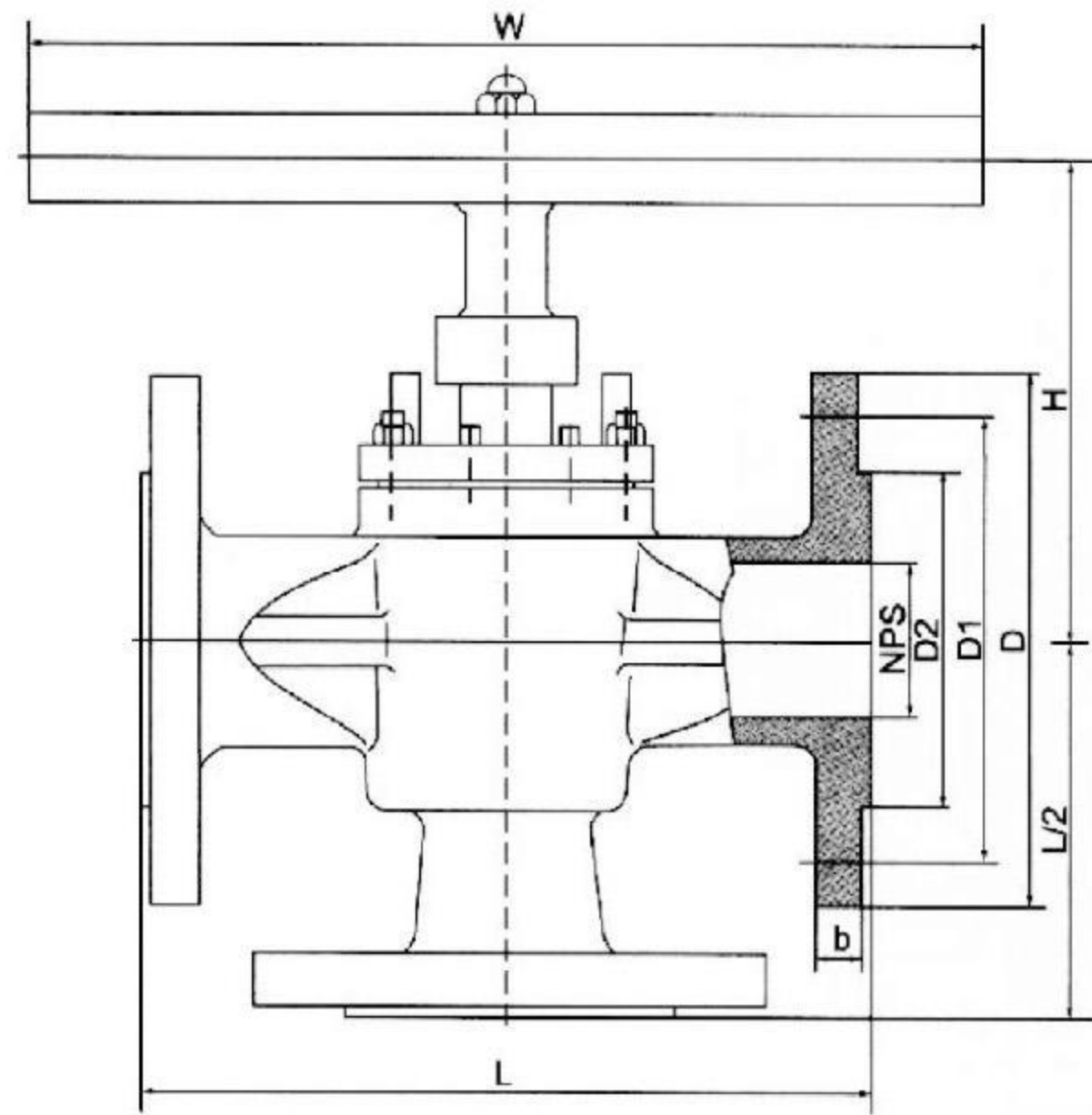


Main External and Connection Dimension

Unit: mm

| Order No.          | Type                        | NPS    | DN  | Class 600Lb |     |                |                |    |         |     |     |                | WT<br>(kg) |
|--------------------|-----------------------------|--------|-----|-------------|-----|----------------|----------------|----|---------|-----|-----|----------------|------------|
|                    |                             | in     | mm  | L           | D   | D <sub>1</sub> | D <sub>2</sub> | b  | Z-ϕ d   | H   | W   | D <sub>0</sub> |            |
| LX-178A<br>LX-178B | X43F-600Lb<br>X343F-600Lb   | 1/2"   | 15  | 165         | 95  | 66.5           | 35             | 15 | 4-ϕ 15  | 110 | 175 | -              | 9          |
|                    |                             | 3/4"   | 20  | 190         | 118 | 82.5           | 43             | 16 | 4-ϕ 19  | 115 | 175 | -              | 12         |
|                    |                             | 1"     | 25  | 216         | 124 | 89             | 51             | 18 | 4-ϕ 19  | 115 | 175 | -              | 14         |
|                    |                             | 1 1/4" | 32  | 229         | 133 | 98.5           | 64             | 21 | 4-ϕ 19  | 135 | 220 | -              | 18         |
| LX-178C<br>LX-178D | X43F-600LbP<br>X343F-600LbP | 1 1/2" | 40  | 241         | 156 | 114.5          | 73             | 23 | 4-ϕ 22  | 140 | 280 | -              | 21         |
| LX-178E<br>LX-178F | X43F-600LbR<br>X343F-600LbR | 2"     | 50  | 292         | 165 | 127            | 92             | 26 | 8-ϕ 19  | 150 | 305 | -              | 27         |
|                    |                             | 2 1/2" | 65  | 330         | 190 | 149            | 100            | 29 | 8-ϕ 22  | 165 | 380 | -              | 34         |
|                    |                             | 3"     | 80  | 356         | 210 | 168            | 127            | 32 | 8-ϕ 22  | 180 | 450 | -              | 46         |
|                    |                             | 4"     | 100 | 432         | 273 | 216            | 157            | 38 | 8-ϕ 25  | 380 | -   | 300            | 58         |
|                    |                             | 6"     | 150 | 559         | 356 | 292            | 216            | 48 | 12-ϕ 29 | 520 | -   | 320            | 78         |
|                    |                             | 8"     | 200 | 660         | 419 | 349            | 270            | 56 | 12-ϕ 32 | 580 | -   | 320            | 105        |

## ANSI Three Way Valve



Main External and Connection Dimension

Unit: mm

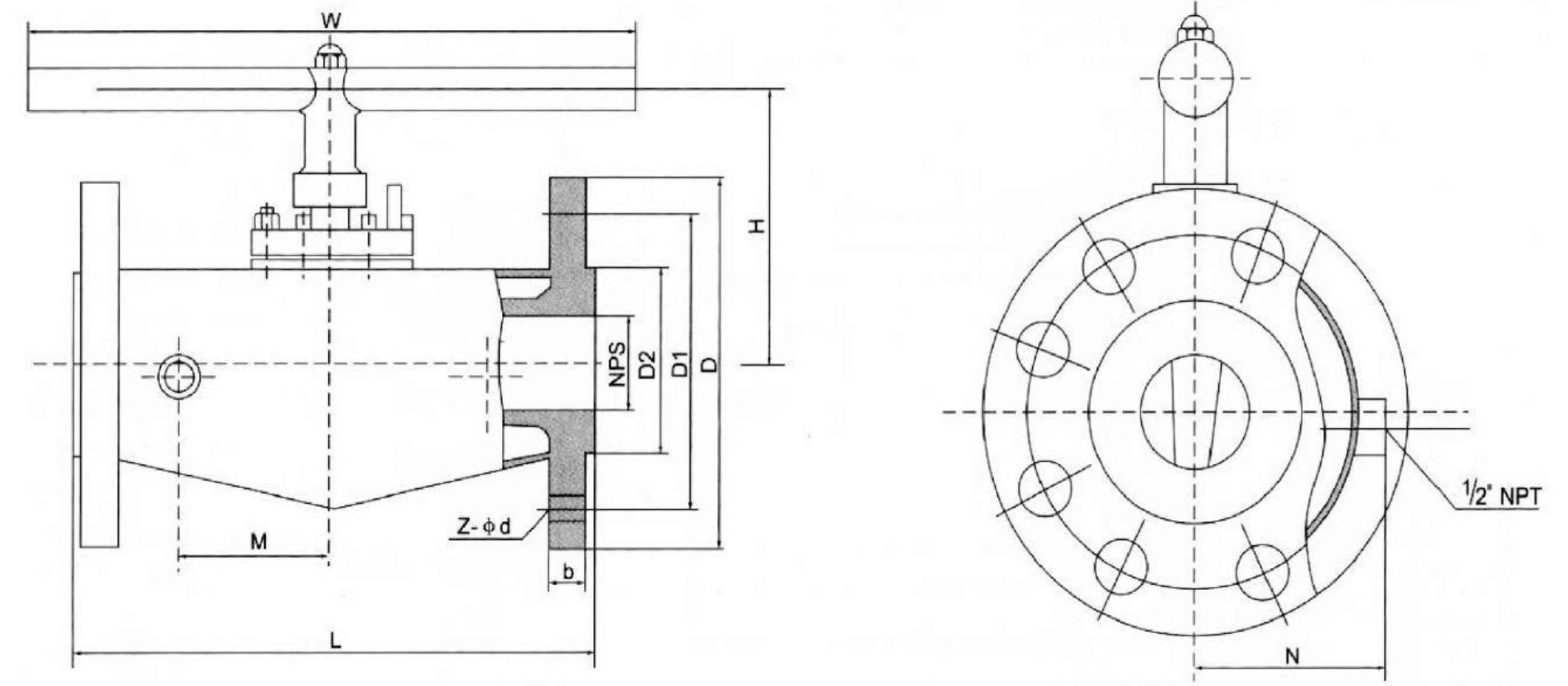
| Order No.          | Type                        | NPS    | DN  | Class 150Lb |                |     |                |                |    |         |     |     |                | WT<br>(kg) |
|--------------------|-----------------------------|--------|-----|-------------|----------------|-----|----------------|----------------|----|---------|-----|-----|----------------|------------|
|                    |                             | in     | mm  | L           | L <sub>1</sub> | D   | D <sub>1</sub> | D <sub>2</sub> | b  | Z-φ d   | H   | W   | D <sub>0</sub> |            |
| LX-179A<br>LX-179B | X44F-150Lb<br>X344F-150Lb   | 1/2"   | 15  | 108         | 68             | 89  | 60.5           | 35             | 11 | 4-φ 15  | 150 | 300 | -              | 9.5        |
|                    |                             | 3/4"   | 20  | 117         | 73             | 98  | 70             | 43             | 11 | 4-φ 15  | 155 | 300 | -              | 12         |
|                    |                             | 1"     | 25  | 127         | 80             | 108 | 79.5           | 51             | 12 | 4-φ 15  | 160 | 300 | -              | 14         |
|                    |                             | 1 1/4" | 32  | 140         | 85             | 117 | 89             | 64             | 13 | 4-φ 15  | 180 | 350 | -              | 16         |
| LX-179C<br>LX-179D | X44F-150LbP<br>X344F-150LbP | 1 1/2" | 40  | 165         | 95             | 127 | 98.5           | 73             | 15 | 4-φ 15  | 190 | 400 | -              | 21         |
|                    |                             | 2"     | 50  | 178         | 110            | 152 | 120.5          | 92             | 16 | 4-φ 19  | 200 | 500 | -              | 27         |
|                    |                             | 2 1/2" | 65  | 190         | 125            | 178 | 139.5          | 105            | 18 | 4-φ 19  | 220 | 500 | -              | 38         |
|                    |                             | 3"     | 80  | 203         | 130            | 190 | 152.5          | 127            | 19 | 4-φ 19  | 230 | 500 | -              | 49         |
| LX-179E<br>LX-179F | X44F-150LbR<br>X344F-150LbR | 4"     | 100 | 229         | 155            | 229 | 190.5          | 157            | 24 | 4-φ 19  | 380 | -   | 300            | 57         |
|                    |                             | 6"     | 150 | 267         | 185            | 279 | 241.5          | 216            | 26 | 8-φ 22  | 520 | -   | 320            | 71         |
|                    |                             | 8"     | 200 | 292         | 225            | 343 | 298.5          | 270            | 29 | 8-φ 22  | 580 | -   | 320            | 94         |
|                    |                             | 10"    | 250 | 330         | 260            | 406 | 362            | 324            | 31 | 12-φ 25 | 620 | -   | 350            | 155        |
|                    |                             | 12"    | 300 | 356         | 300            | 483 | 432            | 381            | 32 | 12-φ 25 | 680 | -   | 380            | 237        |

Main External and Connection Dimension

Unit: mm

| Order No.          | Type                        | NPS    | DN  | Class 300Lb |                |     |                |                |    |         |     |     | WT<br>(kg) |                |
|--------------------|-----------------------------|--------|-----|-------------|----------------|-----|----------------|----------------|----|---------|-----|-----|------------|----------------|
|                    |                             | in     | mm  | L           | L <sub>1</sub> | D   | D <sub>1</sub> | D <sub>2</sub> | b  | Z-φ d   | H   | W   |            | D <sub>0</sub> |
| LX-179G<br>LX-179H | X44F-300Lb<br>X344F-300Lb   | 1/2"   | 15  | 140         | 75             | 95  | 66.5           | 35             | 15 | 4-φ 15  | 150 | 300 | -          | 10.5           |
|                    |                             | 3/4"   | 20  | 152         | 91             | 117 | 82.5           | 43             | 16 | 4-φ 19  | 155 | 300 | -          | 13.5           |
|                    |                             | 1"     | 25  | 165         | 95             | 124 | 89             | 51             | 18 | 4-φ 19  | 160 | 300 | -          | 16             |
|                    |                             | 1 1/4" | 32  | 478         | 100            | 133 | 98.5           | 64             | 19 | 4-φ 19  | 180 | 350 | -          | 18             |
| LX-179I<br>LX-179J | X44F-300LbP<br>X344F-300LbP | 1 1/2" | 40  | 190         | 120            | 156 | 114.5          | 73             | 21 | 4-φ 22  | 190 | 400 | -          | 23             |
|                    |                             | 2"     | 50  | 216         | 125            | 165 | 127            | 92             | 23 | 8-φ 19  | 200 | 500 | -          | 31             |
|                    |                             | 2 1/2" | 65  | 241         | 140            | 190 | 149            | 105            | 26 | 8-φ 22  | 220 | 500 | -          | 41             |
|                    |                             | 3"     | 80  | 283         | 155            | 210 | 168.5          | 127            | 29 | 8-φ 22  | 230 | 500 | -          | 54             |
| LX-179K<br>LX-179L | X44F-300LbR<br>X344F-300LbR | 4"     | 100 | 305         | 185            | 254 | 200            | 157            | 32 | 8-φ 22  | 380 | -   | 300        | 61             |
|                    |                             | 6"     | 150 | 403         | 220            | 318 | 270            | 216            | 37 | 12-φ 22 | 520 | -   | 320        | 75             |
|                    |                             | 8"     | 200 | 419         | 257            | 381 | 330            | 270            | 42 | 12-φ 25 | 580 | -   | 320        | 98             |
|                    |                             | 10"    | 250 | 457         | 300            | 445 | 387.5          | 324            | 48 | 16-φ 25 | 620 | -   | 350        | 166            |
|                    |                             | 12"    | 300 | 502         | 340            | 521 | 451            | 381            | 51 | 16-φ 25 | 680 | -   | 380        | 243            |

## ANSI Jacket Plug Valve



Main External and Connection Dimension

Unit: mm

| Order No.          | Type                        | NPS    | DN  | Class 150Lb |     |                |                |     |     |     |          |     |          |
|--------------------|-----------------------------|--------|-----|-------------|-----|----------------|----------------|-----|-----|-----|----------|-----|----------|
|                    |                             | in     | mm  | L           | D   | D <sub>1</sub> | D <sub>2</sub> | b   | W   | H   | M        | N   | Z- φ d   |
| LX-180A<br>LX-180B | BX43F-150Lb<br>BX43F-150LbP | 1/2"   | 15  | 108         | 108 | 79.5           | 51             | 11  | 300 | 150 | 25       | 35  | 4- φ 15  |
|                    |                             | 3/4"   | 20  | 117         | 127 | 98.5           | 73             | 11  | 300 | 155 | 25       | 40  | 4- φ 15  |
|                    |                             | 1 "    | 25  | 127         | 152 | 120.5          | 92             | 12  | 300 | 160 | 25       | 45  | 4- φ 19  |
|                    |                             | 1 1/4" | 32  | 140         | 152 | 120.5          | 92             | 13  | 350 | 180 | 25       | 50  | 4- φ 19  |
|                    |                             | 1 1/2" | 40  | 165         | 190 | 152.5          | 127            | 15  | 400 | 190 | 40       | 70  | 4- φ 19  |
|                    |                             | 2"     | 50  | 178         | 190 | 152.5          | 127            | 16  | 500 | 200 | 40       | 70  | 4- φ 19  |
|                    |                             | 2 1/2" | 65  | 190         | 190 | 152.5          | 127            | 18  | 500 | 220 | 40       | 80  | 4- φ 19  |
|                    |                             | 3"     | 80  | 203         | 279 | 190.5          | 157            | 19  | 500 | 230 | 40       | 100 | 8- φ 19  |
|                    |                             | 5"     | 100 | 229         | 279 | 241.5          | 202            | 22  | -   | 380 | 50       | 100 | 8- φ 22  |
|                    |                             | 4"     | 125 | 254         | 279 | 241.5          | 202            | 24  | -   | 460 | 50       | 120 | 8- φ 22  |
|                    |                             | 6"     | 150 | 267         | 343 | 298.5          | 270            | 26  | -   | 520 | 50       | 150 | 8- φ 22  |
|                    |                             | 8"     | 200 | 292         | 406 | 362            | 324            | 29  | -   | 580 | 80       | 170 | 12- φ 25 |
| 10"                | 250                         | 330    | 483 | 432         | 381 | 31             | -              | 620 | 80  | 190 | 12- φ 25 |     |          |
| 12"                | 300                         | 356    | 533 | 476         | 413 | 32             | -              | 680 | 80  | 200 | 12- φ 29 |     |          |

ANSI Jacket Plug Valve

Main External and Connection Dimension

Unit: mm

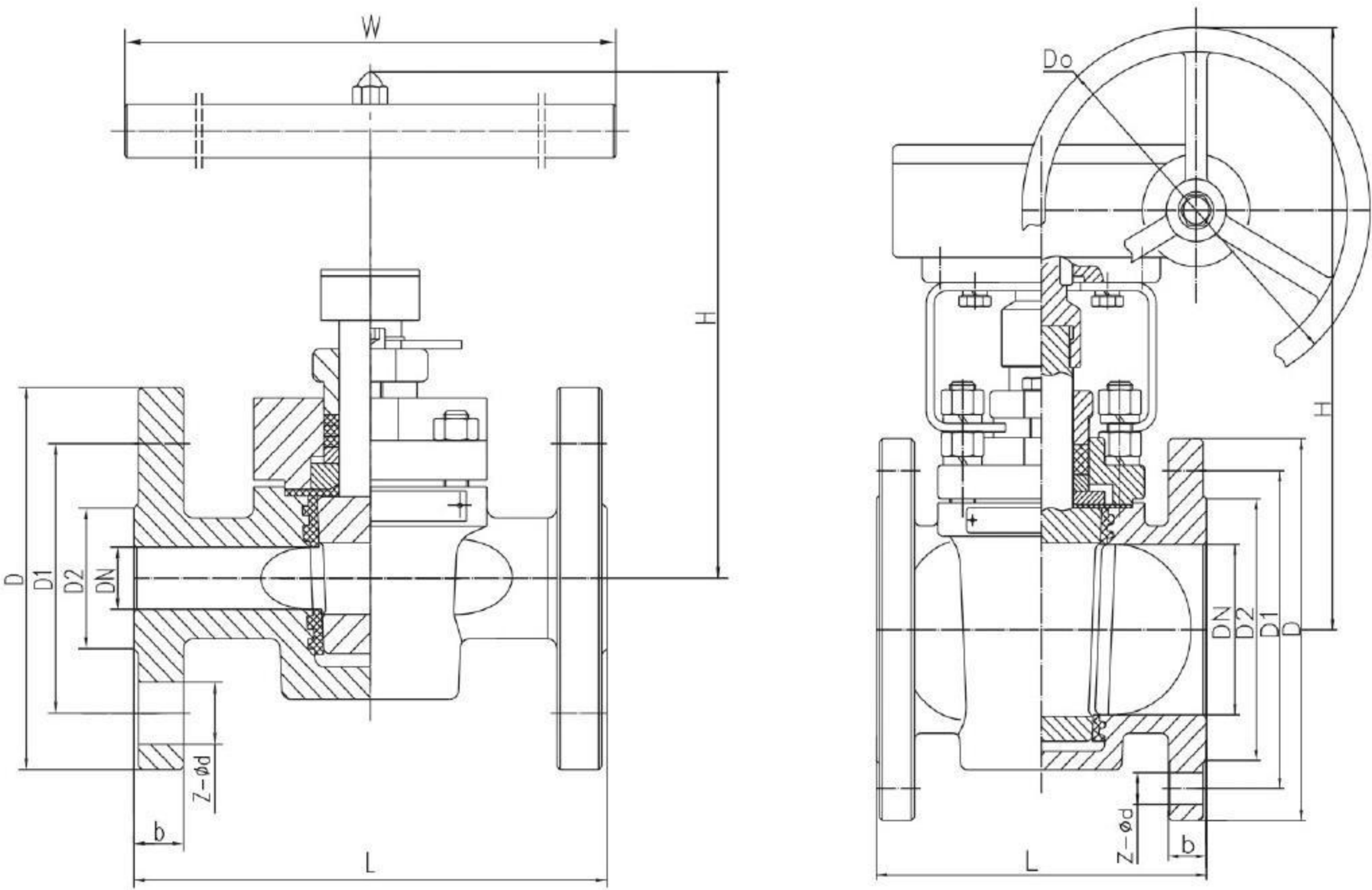
| Order No.          | Type                        | NPS    | DN  | Class 300Lb |                |                |     |    |     |     |    |     |         |
|--------------------|-----------------------------|--------|-----|-------------|----------------|----------------|-----|----|-----|-----|----|-----|---------|
|                    |                             | in     | mm  | L           | D <sub>1</sub> | D <sub>2</sub> | D   | b  | W   | H   | M  | N   | Z-φ d   |
| LX-181A<br>LX-181B | BX43F-300Lb<br>BX43F-300LbP | 1/2"   | 15  | 140         | 89             | 51             | 124 | 15 | 300 | 150 | 25 | 35  | 4-φ 19  |
|                    |                             | 3/4"   | 20  | 152         | 114.5          | 73             | 156 | 16 | 300 | 155 | 25 | 40  | 4-φ 22  |
|                    |                             | 1"     | 25  | 165         | 127            | 92             | 165 | 18 | 300 | 160 | 25 | 45  | 8-φ 19  |
|                    |                             | 1 1/4" | 32  | 178         | 127            | 92             | 165 | 19 | 350 | 180 | 25 | 50  | 8-φ 19  |
|                    |                             | 1 1/2" | 40  | 190         | 168.5          | 127            | 210 | 21 | 400 | 190 | 40 | 70  | 8-φ 22  |
|                    |                             | 2"     | 50  | 216         | 168.5          | 127            | 210 | 23 | 500 | 200 | 40 | 70  | 8-φ 22  |
|                    |                             | 2 1/2" | 65  | 241         | 168.5          | 127            | 210 | 26 | 500 | 220 | 40 | 80  | 8-φ 22  |
|                    |                             | 3"     | 80  | 283         | 200            | 157            | 254 | 29 | 500 | 230 | 40 | 100 | 8-φ 22  |
|                    |                             | 5"     | 100 | 305         | 270            | 216            | 318 | 32 | -   | 380 | 50 | 100 | 12-φ 22 |
|                    |                             | 4"     | 125 | 381         | 270            | 216            | 318 | 35 | -   | 460 | 50 | 120 | 12-φ 22 |
|                    |                             | 6"     | 150 | 403         | 330            | 270            | 381 | 37 | -   | 520 | 50 | 150 | 12-φ 22 |
|                    |                             | 8"     | 200 | 419         | 387.5          | 324            | 445 | 42 | -   | 580 | 80 | 170 | 16-φ 29 |
|                    |                             | 10"    | 250 | 457         | 451            | 381            | 521 | 48 | -   | 620 | 80 | 190 | 16-φ 32 |
|                    |                             | 12"    | 300 | 502         | 514.5          | 413            | 584 | 51 | -   | 680 | 80 | 200 | 20-φ 32 |

Main External and Connection Dimension

Unit: mm

| Order No.          | Type                        | NPS    | DN  | Class 600Lb |     |                |                |    |     |     |    |     |         |
|--------------------|-----------------------------|--------|-----|-------------|-----|----------------|----------------|----|-----|-----|----|-----|---------|
|                    |                             | in     | mm  | L           | D   | D <sub>1</sub> | D <sub>2</sub> | b  | W   | H   | M  | N   | Z-φ d   |
| LX-181C<br>LX-181D | BX43F-600Lb<br>BX43F-600LbP | 1/2"   | 15  | 165         | 124 | 89             | 51             | 22 | 300 | 150 | 25 | 50  | 4-φ 19  |
|                    |                             | 3/4"   | 20  | 190         | 156 | 114.5          | 73             | 23 | 300 | 155 | 25 | 50  | 4-φ 22  |
|                    |                             | 1"     | 25  | 216         | 165 | 127            | 92             | 25 | 300 | 160 | 25 | 50  | 8-φ 19  |
|                    |                             | 1 1/4" | 32  | 229         | 165 | 127            | 92             | 38 | 350 | 180 | 25 | 60  | 8-φ 19  |
|                    |                             | 1 1/2" | 40  | 241         | 210 | 168            | 127            | 30 | 400 | 190 | 40 | 80  | 8-φ 22  |
|                    |                             | 2"     | 50  | 292         | 210 | 168            | 127            | 33 | 500 | 200 | 40 | 80  | 8-φ 22  |
|                    |                             | 2 1/2" | 65  | 330         | 210 | 168            | 127            | 36 | 500 | 220 | 40 | 90  | 8-φ 22  |
|                    |                             | 3"     | 80  | 356         | 273 | 216            | 157            | 39 | -   | 230 | 40 | 110 | 8-φ 22  |
|                    |                             | 5"     | 100 | 432         | 356 | 292            | 216            | 45 | -   | 280 | 50 | 110 | 12-φ 29 |
|                    |                             | 4"     | 125 | 508         | 356 | 292            | 216            | 52 | -   | 460 | 50 | 130 | 12-φ 29 |
|                    |                             | 6"     | 150 | 559         | 419 | 349            | 270            | 55 | -   | 520 | 50 | 160 | 12-φ 32 |
|                    |                             | 8"     | 200 | 660         | 508 | 432            | 324            | 63 | -   | 580 | 80 | 180 | 16-φ 35 |
|                    |                             | 10"    | 250 | 787         | 559 | 489            | 381            | 71 | -   | 620 | 80 | 200 | 20-φ 35 |
|                    |                             | 12"    | 300 | 838         | 603 | 527            | 413            | 74 | -   | 680 | 80 | 210 | 20-φ 38 |

DIN Sleeve Type Plug Valve

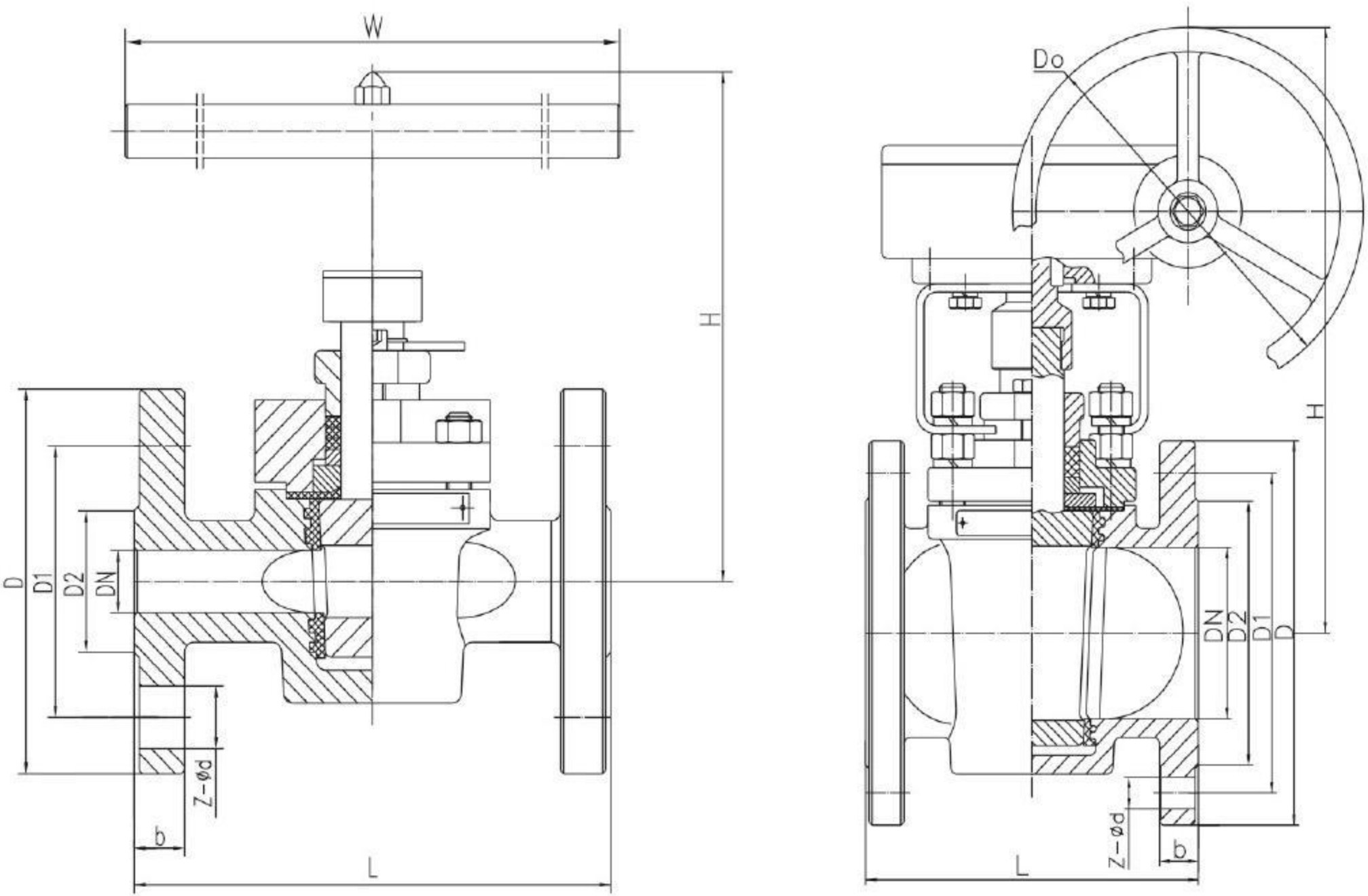


Main External and Connection Dimension

Unit: mm

| Order No.          | Type                          | DN  | NPS    | PN1.6/2.5MPa |     |                |                |    |         |     |     |                | WT<br>(kg) |
|--------------------|-------------------------------|-----|--------|--------------|-----|----------------|----------------|----|---------|-----|-----|----------------|------------|
|                    |                               | mm  | in     | L            | D   | D <sub>1</sub> | D <sub>2</sub> | b  | Z-φ d   | H   | W   | D <sub>0</sub> |            |
| LX-182A<br>LX-182B | DIN/X43F-16C<br>DIN/X343F-16C | 15  | 1/2"   | 130          | 95  | 65             | 45             | 16 | 4-φ 14  | 150 | 300 | -              | 6.5        |
|                    |                               | 20  | 3/4"   | 150          | 105 | 75             | 58             | 18 | 4-φ 14  | 155 | 300 | -              | 7.0        |
|                    |                               | 25  | 1"     | 160          | 115 | 85             | 68             | 18 | 4-φ 14  | 160 | 300 | -              | 8.0        |
|                    |                               | 32  | 1 1/4" | 180          | 140 | 100            | 78             | 18 | 4-φ 18  | 180 | 350 | -              | 11         |
|                    |                               | 40  | 1 1/2" | 200          | 150 | 110            | 88             | 18 | 4-φ 18  | 190 | 400 | -              | 15         |
|                    |                               | 50  | 2"     | 230          | 165 | 125            | 102            | 20 | 4-φ 18  | 200 | 500 | -              | 18         |
|                    |                               | 65  | 2 1/2" | 290          | 185 | 145            | 122            | 18 | 4-φ 18  | 220 | 500 | -              | 26         |
|                    |                               | 80  | 3"     | 310          | 200 | 160            | 138            | 20 | 8-φ 18  | 230 | 550 | -              | 36         |
|                    |                               | 100 | 4"     | 350          | 220 | 180            | 158            | 20 | 8-φ 18  | 380 | -   | 300            | 44         |
|                    |                               | 150 | 6"     | 480          | 285 | 240            | 212            | 22 | 8-φ 22  | 520 | -   | 320            | 60         |
| LX-182C<br>LX-182D | DIN/X43F-16P<br>DIN/X343F-16P | 200 | 8"     | 600          | 340 | 295            | 268            | 24 | 12-φ 22 | 580 | -   | 320            | 81         |
|                    |                               | 250 | 10"    | 730          | 405 | 355            | 320            | 26 | 12-φ 26 | 620 | -   | 350            | 147        |
|                    |                               | 300 | 12"    | 850          | 460 | 410            | 378            | 28 | 12-φ 26 | 680 | -   | 380            | 217        |
| LX-182E<br>LX-182F | DIN/X43F-16R<br>DIN/X343F-16R | 15  | 1/2"   | 130          | 95  | 65             | 45             | 16 | 4-φ 14  | 150 | 300 | -              | 6.5        |
|                    |                               | 20  | 3/4"   | 150          | 105 | 75             | 58             | 18 | 4-φ 14  | 155 | 300 | -              | 7.0        |
|                    |                               | 25  | 1"     | 160          | 115 | 85             | 68             | 18 | 4-φ 14  | 160 | 300 | -              | 8.0        |
|                    |                               | 32  | 1 1/4" | 180          | 140 | 100            | 78             | 18 | 4-φ 18  | 180 | 350 | -              | 11         |
|                    |                               | 40  | 1 1/2" | 200          | 150 | 110            | 88             | 18 | 4-φ 18  | 190 | 400 | -              | 15         |
|                    |                               | 50  | 2"     | 230          | 165 | 125            | 102            | 20 | 8-φ 18  | 200 | 500 | -              | 18         |
|                    |                               | 65  | 2 1/2" | 290          | 185 | 145            | 122            | 22 | 8-φ 18  | 220 | 500 | -              | 26         |
|                    |                               | 80  | 3"     | 310          | 200 | 160            | 138            | 24 | 8-φ 18  | 230 | 550 | -              | 36         |
|                    |                               | 100 | 4"     | 350          | 235 | 190            | 162            | 24 | 8-φ 22  | 380 | -   | 300            | 44         |
|                    |                               | 150 | 6"     | 480          | 300 | 250            | 218            | 28 | 8-φ 26  | 520 | -   | 320            | 60         |
| LX-182G<br>LX-182H | DIN/X43F-25<br>DIN/X343F-25   | 200 | 8"     | 600          | 360 | 310            | 278            | 30 | 12-φ 26 | 580 | -   | 320            | 81         |
|                    |                               | 250 | 10"    | 730          | 425 | 370            | 335            | 32 | 12-φ 30 | 620 | -   | 350            | 147        |
|                    |                               | 300 | 12"    | 850          | 485 | 430            | 395            | 34 | 16-φ 30 | 680 | -   | 380            | 217        |
| LX-182I<br>LX-182J | DIN/X43F-25P<br>DIN/X343F-25P | 15  | 1/2"   | 130          | 95  | 65             | 45             | 16 | 4-φ 14  | 150 | 300 | -              | 6.5        |
|                    |                               | 20  | 3/4"   | 150          | 105 | 75             | 58             | 18 | 4-φ 14  | 155 | 300 | -              | 7.0        |
|                    |                               | 25  | 1"     | 160          | 115 | 85             | 68             | 18 | 4-φ 14  | 160 | 300 | -              | 8.0        |
|                    |                               | 32  | 1 1/4" | 180          | 140 | 100            | 78             | 18 | 4-φ 18  | 180 | 350 | -              | 11         |
|                    |                               | 40  | 1 1/2" | 200          | 150 | 110            | 88             | 18 | 4-φ 18  | 190 | 400 | -              | 15         |
|                    |                               | 50  | 2"     | 230          | 165 | 125            | 102            | 20 | 8-φ 18  | 200 | 500 | -              | 18         |
|                    |                               | 65  | 2 1/2" | 290          | 185 | 145            | 122            | 22 | 8-φ 18  | 220 | 500 | -              | 26         |
|                    |                               | 80  | 3"     | 310          | 200 | 160            | 138            | 24 | 8-φ 18  | 230 | 550 | -              | 36         |
|                    |                               | 100 | 4"     | 350          | 235 | 190            | 162            | 24 | 8-φ 22  | 380 | -   | 300            | 44         |
|                    |                               | 150 | 6"     | 480          | 300 | 250            | 218            | 28 | 8-φ 26  | 520 | -   | 320            | 60         |
| LX-182K<br>LX-182L | DIN/X43F-25R<br>DIN/X343F-25R | 200 | 8"     | 600          | 360 | 310            | 278            | 30 | 12-φ 26 | 580 | -   | 320            | 81         |
|                    |                               | 250 | 10"    | 730          | 425 | 370            | 335            | 32 | 12-φ 30 | 620 | -   | 350            | 147        |
|                    |                               | 300 | 12"    | 850          | 485 | 430            | 395            | 34 | 16-φ 30 | 680 | -   | 380            | 217        |

DIN Plug Valve

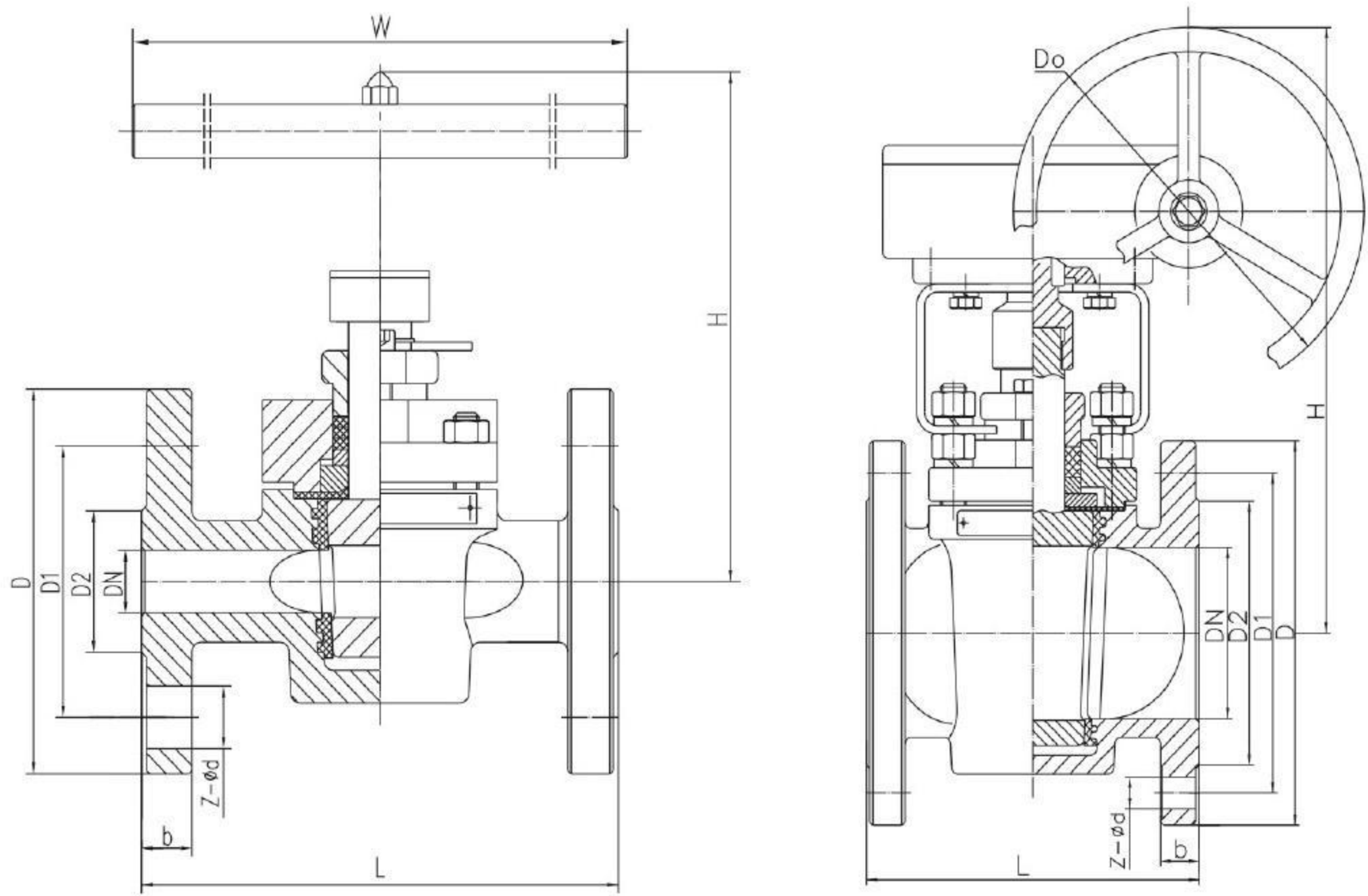


Main External and Connection Dimension

Unit: mm

| Order No.                                                              | Type                          | DN  | NPS    | PN4.0/6.4MPa |     |                |                |    |         |     |     |                | WT<br>(kg) |
|------------------------------------------------------------------------|-------------------------------|-----|--------|--------------|-----|----------------|----------------|----|---------|-----|-----|----------------|------------|
|                                                                        |                               | mm  | in     | L            | D   | D <sub>1</sub> | D <sub>2</sub> | b  | Z-φ d   | H   | W   | D <sub>0</sub> |            |
| LX-183A<br>LX-183B                                                     | DIN/X43F-40<br>DIN/X343F-40   | 15  | 1/2"   | 130          | 95  | 65             | 45             | 16 | 4-φ 14  | 150 | 300 | -              | 7          |
|                                                                        |                               | 20  | 3/4"   | 150          | 105 | 75             | 58             | 18 | 4-φ 14  | 155 | 300 | -              | 7.5        |
|                                                                        |                               | 25  | 1"     | 160          | 115 | 85             | 68             | 18 | 4-φ 14  | 160 | 300 | -              | 8.5        |
|                                                                        |                               | 32  | 1 1/4" | 180          | 140 | 100            | 78             | 18 | 4-φ 18  | 180 | 350 | -              | 13         |
|                                                                        |                               | 40  | 1 1/2" | 200          | 150 | 110            | 88             | 18 | 4-φ 18  | 190 | 400 | -              | 17         |
| LX-183C<br>LX-183D                                                     | DIN/X43F-40P<br>DIN/X343F-40P | 50  | 2"     | 230          | 165 | 125            | 102            | 20 | 4-φ 18  | 200 | 500 | -              | 22         |
|                                                                        |                               | 65  | 2 1/2" | 290          | 185 | 145            | 122            | 22 | 8-φ 18  | 220 | 500 | -              | 29         |
| LX-183E<br>LX-183F                                                     | DIN/X43F-40R<br>DIN/X343F-40R | 80  | 3"     | 310          | 200 | 160            | 138            | 24 | 8-φ 18  | 230 | 550 | -              | 41         |
|                                                                        |                               | 100 | 4"     | 350          | 235 | 190            | 162            | 24 | 8-φ 22  | 380 | -   | 300            | 50         |
|                                                                        |                               | 150 | 6"     | 480          | 300 | 250            | 218            | 28 | 8-φ 26  | 520 | -   | 320            | 68         |
|                                                                        |                               | 200 | 8"     | 600          | 375 | 320            | 285            | 34 | 12-φ 30 | 580 | -   | 320            | 87         |
|                                                                        |                               | 250 | 10"    | 730          | 450 | 385            | 345            | 38 | 12-φ 33 | 620 | -   | 350            | 155        |
| LX-183G<br>LX-183H<br><br>LX-183I<br>LX-183J<br><br>LX-183K<br>LX-183L | DIN/X43F-64<br>DIN/X343F-64   | 300 | 12"    | 850          | 515 | 450            | 410            | 42 | 16-φ 33 | 680 | -   | 380            | 230        |
|                                                                        |                               | 15  | 1/2"   | 130          | 105 | 75             | 45             | 20 | 4-φ 14  | 150 | 300 | -              | 9          |
|                                                                        |                               | 20  | 3/4"   | 150          | 105 | 75             | 58             | 20 | 4-φ 14  | 160 | 300 | -              | 12         |
|                                                                        | DIN/X43F-64P<br>DIN/X343F-64P | 25  | 1"     | 160          | 140 | 100            | 68             | 24 | 4-φ 18  | 160 | 300 | -              | 14         |
|                                                                        |                               | 32  | 1 1/4" | 180          | 155 | 110            | 75             | 24 | 4-φ 22  | 180 | 350 | -              | 18         |
|                                                                        |                               | 40  | 1 1/2" | 200          | 170 | 125            | 88             | 28 | 4-φ 22  | 190 | 400 | -              | 21         |
|                                                                        | DIN/X43F-64R<br>DIN/X343F-64R | 50  | 2"     | 230          | 180 | 135            | 102            | 26 | 4-φ 22  | 200 | 500 | -              | 27         |
|                                                                        |                               | 65  | 2 1/2" | 290          | 205 | 160            | 122            | 26 | 8-φ 22  | 220 | 500 | -              | 34         |
|                                                                        |                               | 80  | 3"     | 310          | 215 | 170            | 138            | 28 | 8-φ 22  | 230 | 550 | -              | 46         |
|                                                                        |                               | 100 | 4"     | 350          | 250 | 200            | 162            | 30 | 8-φ 26  | 380 | -   | 300            | 58         |
|                                                                        |                               | 150 | 6"     | 480          | 345 | 280            | 218            | 36 | 8-φ 33  | 520 | -   | 320            | 78         |
|                                                                        |                               | 200 | 8"     | 600          | 415 | 345            | 285            | 42 | 12-φ 36 | 580 | -   | 320            | 105        |

Plug Valve



Main External and Connection Dimension

Unit: mm

| Order No.                                                              | Type                  | DN  | NPS    | PN1.6/2.5MPa |     |                |                |    |         |     |     |                | WT<br>(kg) |
|------------------------------------------------------------------------|-----------------------|-----|--------|--------------|-----|----------------|----------------|----|---------|-----|-----|----------------|------------|
|                                                                        |                       | mm  | in     | L            | D   | D <sub>1</sub> | D <sub>2</sub> | b  | Z-φ d   | H   | W   | D <sub>0</sub> |            |
| LX-184A<br>LX-184B<br><br>LX-184C<br>LX-184D<br><br>LX-184E<br>LX-184F | X43F-16C<br>X343F-16C | 15  | 1/2"   | 130          | 95  | 65             | 45             | 16 | 4-φ 14  | 150 | 300 | -              | 6.5        |
|                                                                        |                       | 20  | 3/4"   | 150          | 105 | 75             | 55             | 16 | 4-φ 14  | 155 | 300 | -              | 7.0        |
|                                                                        |                       | 25  | 1"     | 160          | 115 | 85             | 65             | 16 | 4-φ 14  | 160 | 300 | -              | 8.0        |
|                                                                        |                       | 32  | 1 1/4" | 180          | 135 | 100            | 78             | 18 | 4-φ 18  | 180 | 350 | -              | 11         |
|                                                                        |                       | 40  | 1 1/2" | 200          | 145 | 110            | 85             | 18 | 4-φ 18  | 190 | 400 | -              | 15         |
|                                                                        |                       | 50  | 2"     | 230          | 160 | 125            | 100            | 18 | 4-φ 18  | 200 | 500 | -              | 18         |
|                                                                        | X43F-16P<br>X343F-16P | 65  | 2 1/2" | 290          | 180 | 145            | 120            | 18 | 4-φ 18  | 220 | 500 | -              | 26         |
|                                                                        |                       | 80  | 3"     | 310          | 195 | 160            | 135            | 20 | 8-φ 18  | 230 | 550 | -              | 36         |
|                                                                        | X43F-16R<br>X343F-16R | 100 | 4"     | 350          | 215 | 180            | 155            | 22 | 8-φ 18  | 380 | -   | 300            | 44         |
|                                                                        |                       | 150 | 6"     | 480          | 280 | 240            | 210            | 24 | 8-φ 23  | 520 | -   | 320            | 60         |
|                                                                        |                       | 200 | 8"     | 600          | 335 | 295            | 265            | 26 | 12-φ 23 | 580 | -   | 320            | 81         |
|                                                                        |                       | 250 | 10"    | 730          | 405 | 355            | 320            | 30 | 12-φ 23 | 620 | -   | 350            | 147        |
| LX-184G<br>LX-184H<br><br>LX-184I<br>LX-184J<br><br>LX-184K<br>LX-184L | X43F-25<br>X343F-25   | 300 | 12"    | 850          | 460 | 410            | 375            | 30 | 12-φ 23 | 680 | -   | 380            | 217        |
|                                                                        |                       | 15  | 1/2"   | 130          | 95  | 65             | 45             | 16 | 4-φ 14  | 150 | 300 | -              | 6.5        |
|                                                                        |                       | 20  | 3/4"   | 150          | 105 | 75             | 55             | 16 | 4-φ 14  | 155 | 300 | -              | 7.0        |
|                                                                        |                       | 25  | 1"     | 160          | 115 | 85             | 65             | 16 | 4-φ 14  | 160 | 300 | -              | 8.0        |
|                                                                        |                       | 32  | 1 1/4" | 180          | 135 | 100            | 78             | 18 | 4-φ 18  | 180 | 350 | -              | 11         |
|                                                                        |                       | 40  | 1 1/2" | 200          | 145 | 110            | 85             | 18 | 4-φ 18  | 190 | 400 | -              | 15         |
|                                                                        | X43F-25P<br>X343F-25P | 50  | 2"     | 230          | 160 | 125            | 100            | 20 | 4-φ 18  | 200 | 500 | -              | 18         |
|                                                                        |                       | 65  | 2 1/2" | 290          | 180 | 145            | 120            | 22 | 8-φ 18  | 220 | 500 | -              | 26         |
|                                                                        | X43F-25R<br>X343F-25R | 80  | 3"     | 310          | 195 | 160            | 135            | 22 | 8-φ 18  | 230 | 550 | -              | 36         |
|                                                                        |                       | 100 | 4"     | 350          | 230 | 190            | 160            | 24 | 8-φ 23  | 380 | -   | 300            | 44         |
|                                                                        |                       | 150 | 6"     | 480          | 300 | 250            | 218            | 30 | 8-φ 25  | 520 | -   | 320            | 60         |
|                                                                        |                       | 200 | 8"     | 600          | 360 | 310            | 278            | 34 | 12-φ 25 | 580 | -   | 320            | 81         |
|                                                                        |                       | 250 | 10"    | 730          | 425 | 370            | 332            | 36 | 12-φ 30 | 620 | -   | 350            | 147        |
|                                                                        |                       | 300 | 12"    | 850          | 485 | 430            | 390            | 40 | 12-φ 30 | 680 | -   | 380            | 217        |

Unit: mm

| Order No.             | Type                  | DN                                                                     | NPS                 | PN4.0/6.4MPa |      |                |                |                |    |         |     |        |                | WT<br>(kg) |
|-----------------------|-----------------------|------------------------------------------------------------------------|---------------------|--------------|------|----------------|----------------|----------------|----|---------|-----|--------|----------------|------------|
|                       |                       | mm                                                                     | in                  | L            | D    | D <sub>1</sub> | D <sub>2</sub> | D <sub>6</sub> | b  | Z-φ d   | H   | W      | D <sub>0</sub> |            |
| LX-185A<br>LX-185B    | X43F-40<br>X343F-40   | 15                                                                     | 1/2"                | 130          | 95   | 65             | 45             | 40             | 16 | 4-φ 14  | 150 | 300    | -              | 7          |
|                       |                       | 20                                                                     | 3/4"                | 150          | 105  | 75             | 55             | 51             | 16 | 4-φ 14  | 155 | 300    | -              | 7.5        |
|                       |                       | 25                                                                     | 1"                  | 160          | 115  | 85             | 65             | 58             | 16 | 4-φ 14  | 160 | 300    | -              | 8.5        |
|                       |                       | 32                                                                     | 1 1/4"              | 180          | 135  | 100            | 78             | 66             | 18 | 4-φ 18  | 180 | 350    | -              | 13         |
|                       |                       | 40                                                                     | 1 1/2"              | 200          | 145  | 110            | 85             | 76             | 18 | 4-φ 18  | 190 | 400    | -              | 17         |
| LX-185C<br>LX-185D    | X43F-40P<br>X343F-40P | 50                                                                     | 2"                  | 230          | 160  | 125            | 100            | 88             | 20 | 4-φ 18  | 200 | 500    | -              | 22         |
|                       |                       | 65                                                                     | 2 1/2"              | 290          | 180  | 145            | 120            | 100            | 22 | 8-φ 18  | 220 | 500    | -              | 29         |
| LX-185E<br>LX-185F    | X43F-40R<br>X343F-40R | 80                                                                     | 3"                  | 310          | 195  | 160            | 135            | 121            | 22 | 8-φ 18  | 230 | 550    | -              | 41         |
|                       |                       | 100                                                                    | 4"                  | 350          | 230  | 190            | 160            | 150            | 24 | 8-φ 23  | 380 | -      | 300            | 50         |
|                       |                       | 150                                                                    | 6"                  | 480          | 300  | 250            | 218            | 204            | 30 | 8-φ 25  | 520 | -      | 320            | 68         |
|                       |                       | 200                                                                    | 8"                  | 600          | 375  | 320            | 282            | 260            | 38 | 12-φ 30 | 580 | -      | 320            | 87         |
|                       |                       | 250                                                                    | 10"                 | 730          | 445  | 385            | 345            | 313            | 42 | 12-φ 34 | 620 | -      | 350            | 155        |
|                       |                       | 300                                                                    | 12"                 | 850          | 510  | 450            | 408            | 364            | 46 | 16-φ 34 | 680 | -      | 380            | 230        |
|                       |                       | LX-185G<br>LX-185H<br><br>LX-185I<br>LX-185J<br><br>LX-185K<br>LX-185L | X43F-64<br>X343F-64 | 15           | 1/2" | 130            | 105            | 75             | 55 | 40      | 18  | 4-φ 14 | 150            | 300        |
| 20                    | 3/4"                  |                                                                        |                     | 150          | 125  | 90             | 68             | 51             | 20 | 4-φ 18  | 160 | 300    | -              | 12         |
| 25                    | 1"                    |                                                                        |                     | 160          | 135  | 100            | 78             | 58             | 22 | 4-φ 18  | 160 | 300    | -              | 14         |
| 32                    | 1 1/4"                |                                                                        |                     | 180          | 150  | 110            | 82             | 66             | 24 | 4-φ 23  | 180 | 350    | -              | 18         |
| X43F-64P<br>X343F-64P | 40                    |                                                                        | 1 1/2"              | 200          | 165  | 125            | 95             | 76             | 24 | 4-φ 23  | 190 | 400    | -              | 21         |
|                       | 50                    |                                                                        | 2"                  | 230          | 175  | 135            | 105            | 88             | 26 | 8-φ 23  | 200 | 500    | -              | 27         |
|                       | 65                    |                                                                        | 2 1/2"              | 290          | 200  | 160            | 130            | 100            | 28 | 8-φ 23  | 220 | 500    | -              | 34         |
| X43F-64R<br>X343F-64R | 80                    |                                                                        | 3"                  | 310          | 210  | 170            | 140            | 121            | 30 | 8-φ 23  | 230 | 550    | -              | 46         |
|                       | 100                   |                                                                        | 4"                  | 350          | 250  | 200            | 168            | 150            | 32 | 8-φ 25  | 380 | -      | 300            | 58         |
|                       | 150                   |                                                                        | 6"                  | 480          | 340  | 280            | 240            | 204            | 38 | 8-φ 34  | 520 | -      | 320            | 78         |
|                       | 200                   |                                                                        | 8"                  | 600          | 405  | 345            | 300            | 260            | 44 | 12-φ 34 | 580 | -      | 320            | 105        |

Unit: mm

| Order No.                                                   | Type                                                           | DN  | PN1.0MPa |     |                |                |    |         |     |     |                | WT<br>(kg) |
|-------------------------------------------------------------|----------------------------------------------------------------|-----|----------|-----|----------------|----------------|----|---------|-----|-----|----------------|------------|
|                                                             |                                                                |     | L        | D   | D <sub>1</sub> | D <sub>2</sub> | b  | Z-φ d   | □S  | H   | H <sub>1</sub> |            |
| LX-186A<br><br>LX-186B<br>LX-186C<br><br>LX-186D<br>LX-186E | X43W-10T<br><br>X43T-10<br>X43W-10<br><br>X43W-10P<br>X43W-10R | 15  | 80       | 95  | 65             | 45             | 14 | 4-φ 14  | 14  | 73  | 26             | 2          |
|                                                             |                                                                | 20  | 90       | 105 | 75             | 55             | 16 | 4-φ 14  | 14  | 90  | 34             | 2.5        |
|                                                             |                                                                | 25  | 110      | 115 | 85             | 65             | 16 | 4-φ 14  | 17  | 95  | 38             | 3.5        |
|                                                             |                                                                | 32  | 115      | 135 | 100            | 78             | 18 | 4-φ 18  | 19  | 107 | 45             | 5.5        |
|                                                             |                                                                | 40  | 150      | 145 | 110            | 85             | 18 | 4-φ 18  | 22  | 157 | 55             | 7          |
|                                                             |                                                                | 50  | 170      | 160 | 125            | 100            | 20 | 4-φ 18  | 27  | 186 | 74             | 11         |
|                                                             |                                                                | 65  | 220      | 180 | 145            | 120            | 20 | 4-φ 18  | 32  | 213 | 82             | 16.5       |
|                                                             |                                                                | 80  | 250      | 195 | 160            | 135            | 22 | 4-φ 18  | 36  | 222 | 95             | 23         |
|                                                             |                                                                | 100 | 300      | 215 | 180            | 155            | 26 | 8-φ 18  | 46  | 295 | 135            | 48         |
|                                                             |                                                                | 150 | 400      | 280 | 240            | 210            | 24 | 8-φ 23  | 55  | 340 | 172            | 67         |
|                                                             |                                                                | 200 | 480      | 335 | 295            | 265            | 24 | 8-φ 23  | 75  | 410 | 195            | 90         |
|                                                             |                                                                | 250 | 530      | 390 | 350            | 320            | 28 | 12-φ 23 | 85  | 430 | 230            | 130        |
|                                                             |                                                                | 300 | 610      | 440 | 400            | 368            | 30 | 12-φ 23 | 100 | 497 | 263            | 180        |