

## CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY DUCTILE IRON DISC AND EPDM SEAT

Wafer butterfly valve initial range for cold and hot water, non-corrosives fluids.

Cast iron EN GJL-250 or ductile iron EN-GJS-400-15 body, ductile iron disc and EPDM seat.

Between flanges PN6, PN10, PN16, Class 150 or JIS10K according to DN. 5 years of warranty.

Handling possible with gearbox.

Thanks to the ISO 5211 plate, an actuator can be installed on the valve.



*Painting color is actually  
changing for RAL5005*



*New painting*



*Old painting*

**Size :** DN32/40 to DN1200

**Connection :** Between flanges PN6, PN10/16, Class 150 or JIS10K\*

**Min Temperature :** -15°C

**Max Temperature :** +110°C (130°C temporarily)

**Max Pressure :** 16 Bars up to DN300

**Specifications :** Long neck for isolation  
Ductile iron nickered disc  
Vulcanised EPDM seat  
ISO 5211 mounting pad

**Materials :** Cast iron EN GJL250 body or EN GJS-400-15

\*according to DN

the installation defects and wear defects are not covered by the guarantee

Sferaco 90 rue du Ruisseau 38297 St Quentin Fallavier Tel: + 33 (0) 474.94.15.90 Fax: + 33 (0) 474.95.62.08 Internet: [www.sferaco.com](http://www.sferaco.com) E-mail : [info@sferaco.fr](mailto:info@sferaco.fr)

## CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY DUCTILE IRON DISC AND EPDM SEAT

### SPECIFICATIONS :

- Long neck for isolation
- ISO 5211 mounting pad
- Wafer type
- Between flanges PN6 from DN40 to 150, PN10/16 from DN32 to 600, Class 150 (PN20) from DN40 to 350 and from DN450 to 600
- Between flanges JIS10K from DN40 to 300
- Between flanges PN10 from DN 700 to DN1200
- Full crossing stem up to DN600
- With 10 positions lever and locking device up to DN150
- Double PTFE seal on stem up to DN600
- Ductile iron nikked disc (20-30 µm)
- Epoxy painting RAL003 80 microns thickness, **painting color is actually changing for RAL5005**
- **Modification in progress for body material for ductile iron EN GJS-400-15 (EN-JS1030)**
- Vulcanised EPDM seat

### USE :

- Cold and hot water, non-corrosives fluids
- Min and max Temperature Ts : - 15°C to + 110°C ( 130°C temporarily )
- Max Pressure Ps : 16 bars up to DN300 , 10 bars over

### FLOW COEFFICIENT Kv ( M3 / h ) :

| DN            |     | 32/40 | 50   | 65   | 80   | 100  | 125  | 150  | 200  | 250  | 300  | 350   | 400   | 450   | 500   | 600   |
|---------------|-----|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| Opening angle | 10° | 0,04  | 0,05 | 0,09 | 0,17 | 0,26 | 0,43 | 0,68 | 1,7  | 2,6  | 3,4  | 5,1   | 6,8   | 9,4   | 11,9  | 18,8  |
|               | 20° | 2     | 3    | 5    | 8    | 15   | 25   | 38   | 76   | 129  | 200  | 288   | 396   | 525   | 675   | 1042  |
|               | 30° | 5     | 6    | 10   | 15   | 31   | 52   | 81   | 160  | 273  | 422  | 610   | 839   | 1101  | 1428  | 2207  |
|               | 40° | 10    | 13   | 21   | 33   | 67   | 113  | 175  | 348  | 592  | 914  | 1321  | 1817  | 2407  | 3095  | 4781  |
|               | 50° | 18    | 23   | 38   | 60   | 119  | 202  | 312  | 620  | 1055 | 1630 | 2355  | 3239  | 4289  | 5515  | 8521  |
|               | 60° | 30    | 38   | 64   | 99   | 196  | 334  | 516  | 1025 | 1746 | 2697 | 3897  | 5359  | 7097  | 9125  | 14098 |
|               | 70° | 48    | 60   | 102  | 156  | 310  | 529  | 817  | 1623 | 2764 | 4269 | 6167  | 8481  | 11232 | 14442 | 22312 |
|               | 80° | 72    | 90   | 152  | 235  | 466  | 793  | 1226 | 2434 | 4145 | 6403 | 9250  | 12720 | 16848 | 21662 | 33468 |
|               | 90° | 78    | 98   | 167  | 258  | 512  | 872  | 1347 | 2675 | 4555 | 7037 | 10165 | 13799 | 18514 | 23805 | 36778 |

| DN            |     | 700   | 800   | 900   | 1000   | 1200   |
|---------------|-----|-------|-------|-------|--------|--------|
| Opening angle | 10° | 31    | 39    | 52    | 72     | 104    |
|               | 20° | 1568  | 2064  | 2612  | 3617   | 5172   |
|               | 30° | 3147  | 4143  | 5243  | 7260   | 10379  |
|               | 40° | 5739  | 7555  | 9561  | 13238  | 18932  |
|               | 50° | 8648  | 11925 | 15091 | 20894  | 29879  |
|               | 60° | 12929 | 17827 | 22561 | 31279  | 44730  |
|               | 70° | 19692 | 27153 | 34362 | 47641  | 68126  |
|               | 80° | 30182 | 41615 | 52667 | 73017  | 104415 |
|               | 90° | 42811 | 59028 | 57406 | 103569 | 148105 |

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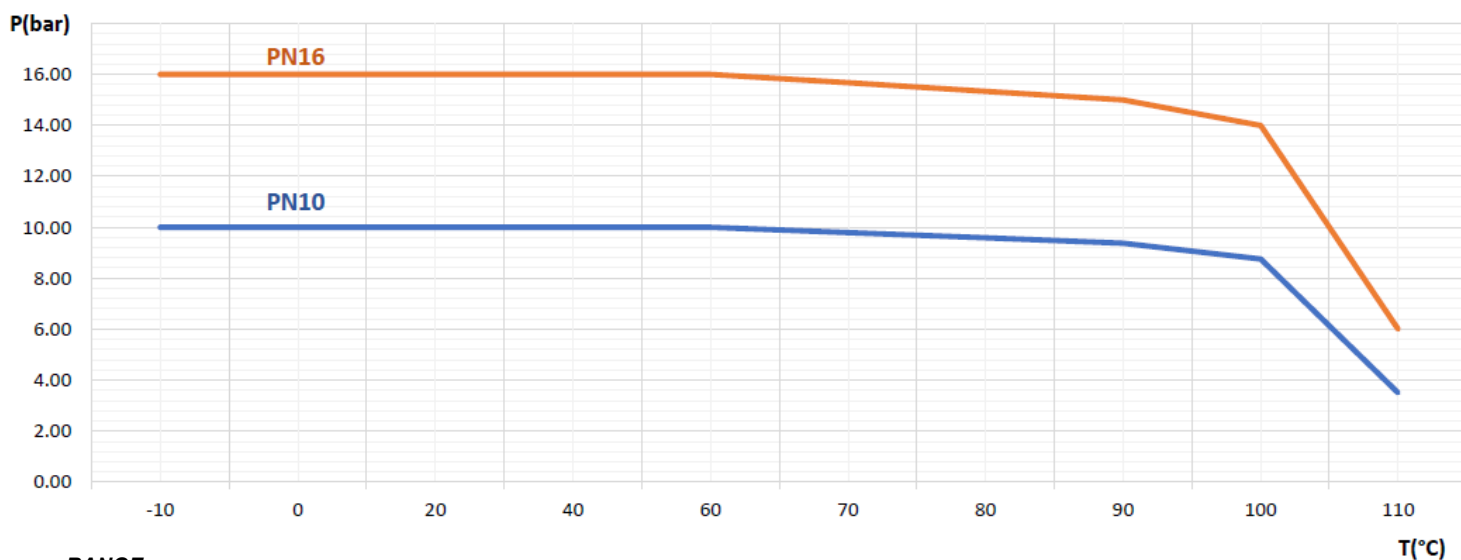
## CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY DUCTILE IRON DISC AND EPDM SEAT

### TORQUE VALUE ( Nm, without safety coefficient ) :

We recommend a safety coefficient of 30% minimum to determinate the actuator.

| DN   | 32/40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450  | 500  | 600  | 700  | 800  | 900  | 1000  | 1200  |
|------|-------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|-------|-------|
| PN10 | 9     | 12 | 19 | 25 | 38  | 58  | 85  | 159 | 253 | 369 | 428 | 671 | 1001 | 1220 | 2221 | 4417 | 5816 | 7097 | 12050 | 16950 |
| PN16 | 10    | 13 | 21 | 26 | 42  | 65  | 95  | 175 | 277 | 536 | -   | -   | -    | -    | -    | -    | -    | -    | -     | -     |

### PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :



### RANGE :

- Wafer butterfly valve with lever from DN32/40 to DN300
- Wafer butterfly valve with gearbox IP54 from DN350 to DN500
- Gearbox IP54 possible from DN32/40 to DN400 **Ref.1198001 to 1198007**
- Gearbox IP67 possible from DN32/40 to DN500 **Ref.1198301 to 1198310**
- Chain gearbox IP54 possible from DN32/40 to DN300 **Ref.1198201 to 1198206 (without chain)**
- Galvanized carbon steel chain for chain gearbox initial range **Ref.1198200 (per meter)**



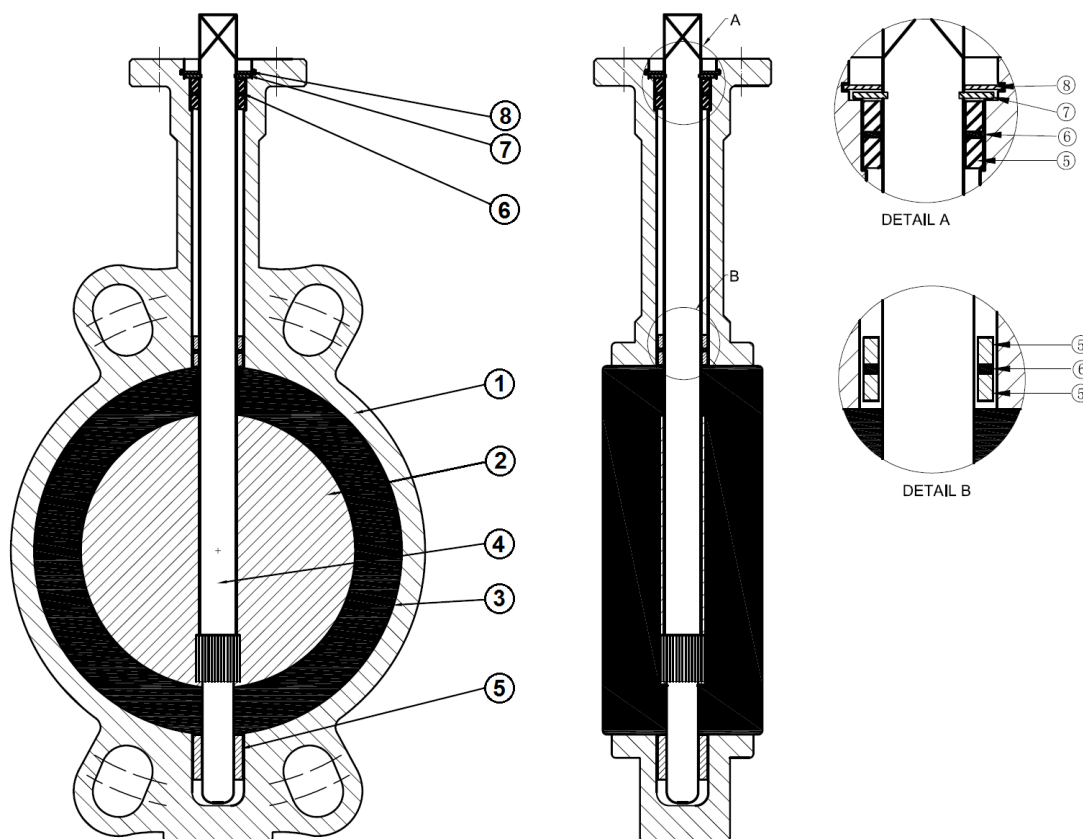
Sferaco 90 rue du Ruisseau 38297 St Quentin Fallavier Tel: + 33 (0) 474.94.15.90 Fax: + 33 (0) 474.95.62.08 Internet: [www.sferaco.com](http://www.sferaco.com) E-mail: [info@sferaco.fr](mailto:info@sferaco.fr)

## CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY DUCTILE IRON DISC AND EPDM SEAT

### CONNECTION :

- Between flanges PN6 from DN40 to DN150
- Between flanges PN10/16 from DN32 to DN600
- Between flanges Class 150 (PN20) from DN40 to DN350 and from DN450 to DN600
- Between flanges JIS10K from DN40 to DN300
- Between flanges PN10 from DN700 to DN1200

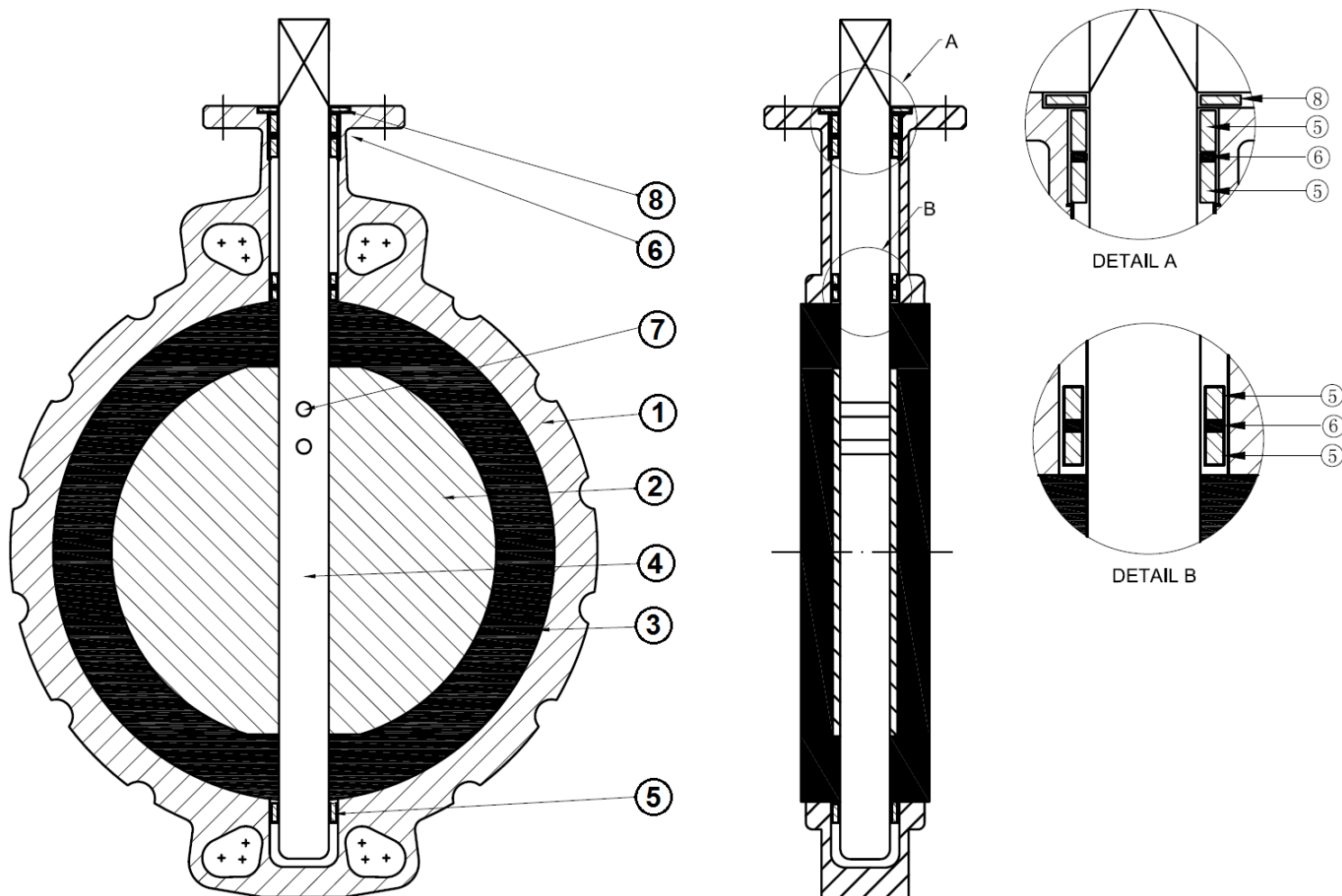
### MATERIALS DN 32/40 – 300 :



| Item | Designation | Materials                                                      |
|------|-------------|----------------------------------------------------------------|
| 1    | Body        | Cast iron EN GJL-250 or ductile iron EN-JS1030 (EN GJS-400-15) |
| 2    | Disc        | Ductile iron nickered EN GJS-400-15                            |
| 3    | Seat        | EPDM                                                           |
| 4    | Stem        | AISI 420                                                       |
| 5    | Bushing     | PTFE                                                           |
| 6    | O ring      | EPDM                                                           |
| 7    | Circlip     | Steel                                                          |
| 8    | Circlip     | Steel                                                          |
|      | Lever       | Aluminium                                                      |

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DUCTILE IRON DISC AND EPDM SEAT**

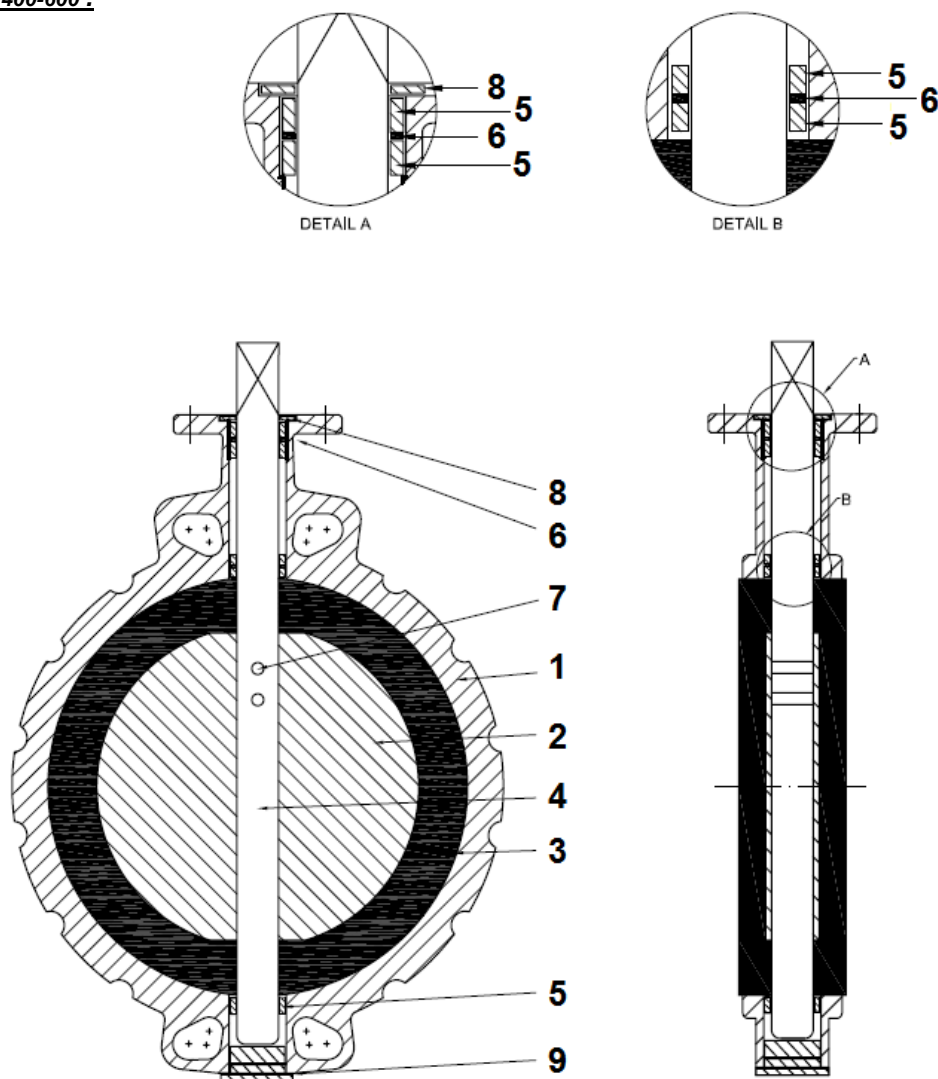
**MATERIALS DN 350 :**



| Item | Designation | Materials                                                      |
|------|-------------|----------------------------------------------------------------|
| 1    | Body        | Cast iron EN GJL-250 or ductile iron EN-JS1030 (EN GJS-400-15) |
| 2    | Disc        | Ductile iron nickel EN GJS-400-15                              |
| 3    | Seat        | EPDM                                                           |
| 4    | Stem        | AISI 431                                                       |
| 5    | Bushing     | PTFE                                                           |
| 6    | O ring      | EPDM                                                           |
| 7    | Pin         | AISI 316                                                       |
| 8    | Gasket      | EPDM                                                           |

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DUCTILE IRON DISC AND EPDM SEAT**

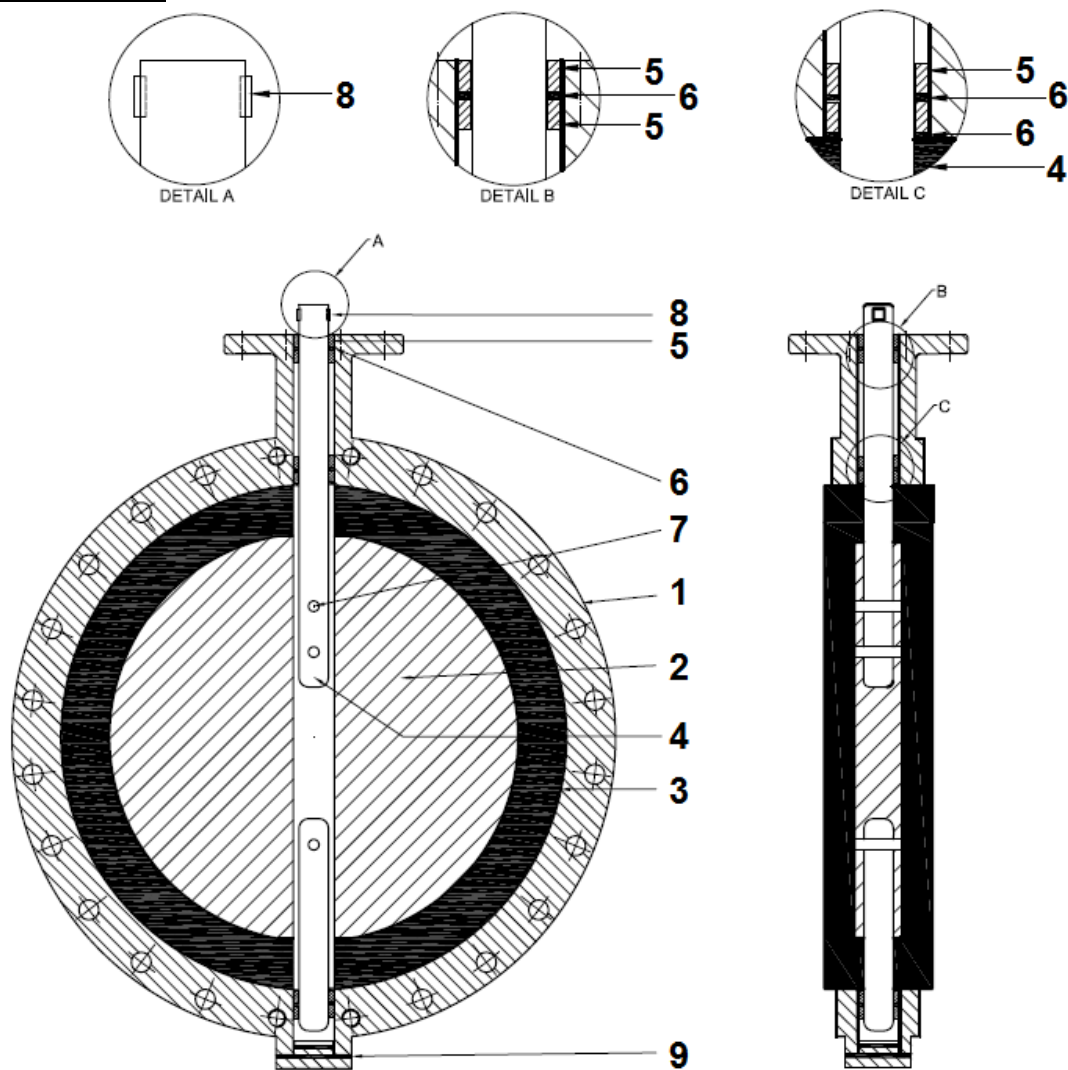
**MATERIALS DN 400-600 :**



| Item | Designation | Materials                                                      |
|------|-------------|----------------------------------------------------------------|
| 1    | Body        | Cast iron EN GJL-250 or ductile iron EN-JS1030 (EN GJS-400-15) |
| 2    | Disc        | Ductile iron nicketed EN GJS-400-15                            |
| 3    | Seat        | EPDM                                                           |
| 4    | Stem        | AISI 431                                                       |
| 5    | Bushing     | PTFE                                                           |
| 6    | O ring      | EPDM                                                           |
| 7    | Pin         | AISI 316                                                       |
| 8    | Gasket      | EPDM                                                           |
| 9    |             |                                                                |

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DUCTILE IRON DISC AND EPDM SEAT**

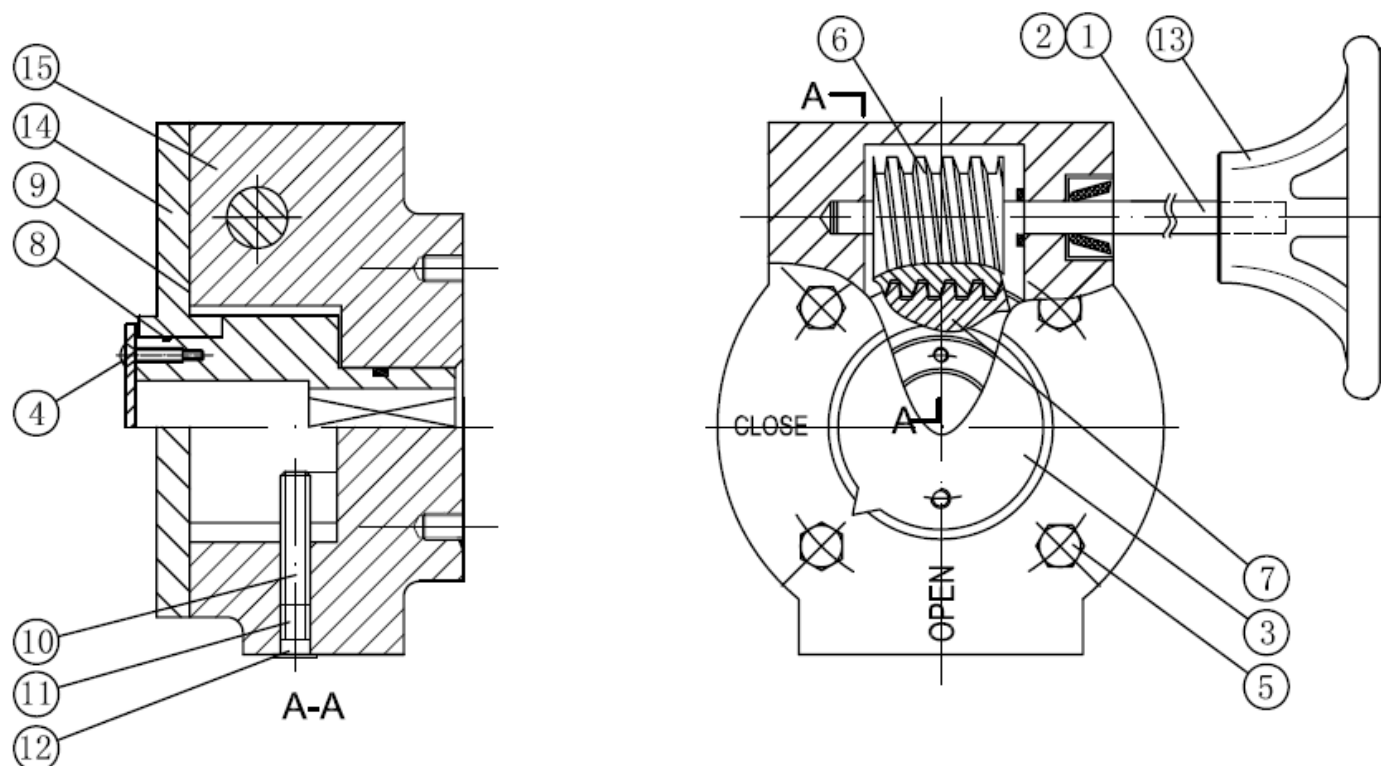
**MATERIALS DN 700 – 1200 :**



| Item | Designation | Materials                           |
|------|-------------|-------------------------------------|
| 1    | Body        | Ductile iron EN GJS-400-15          |
| 2    | Disc        | Ductile iron nicketed EN GJS-400-15 |
| 3    | Seat        | EPDM                                |
| 4    | Stem        | AISI 431                            |
| 5    | Bushing     | Aluminium + Bronze                  |
| 6    | O ring      | EPDM                                |
| 7    | Pin         | AISI 316                            |
| 8    | Pin         | SQ 719                              |
| 9    | Gasket      | EPDM                                |

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DUCTILE IRON DISC AND EPDM SEAT**

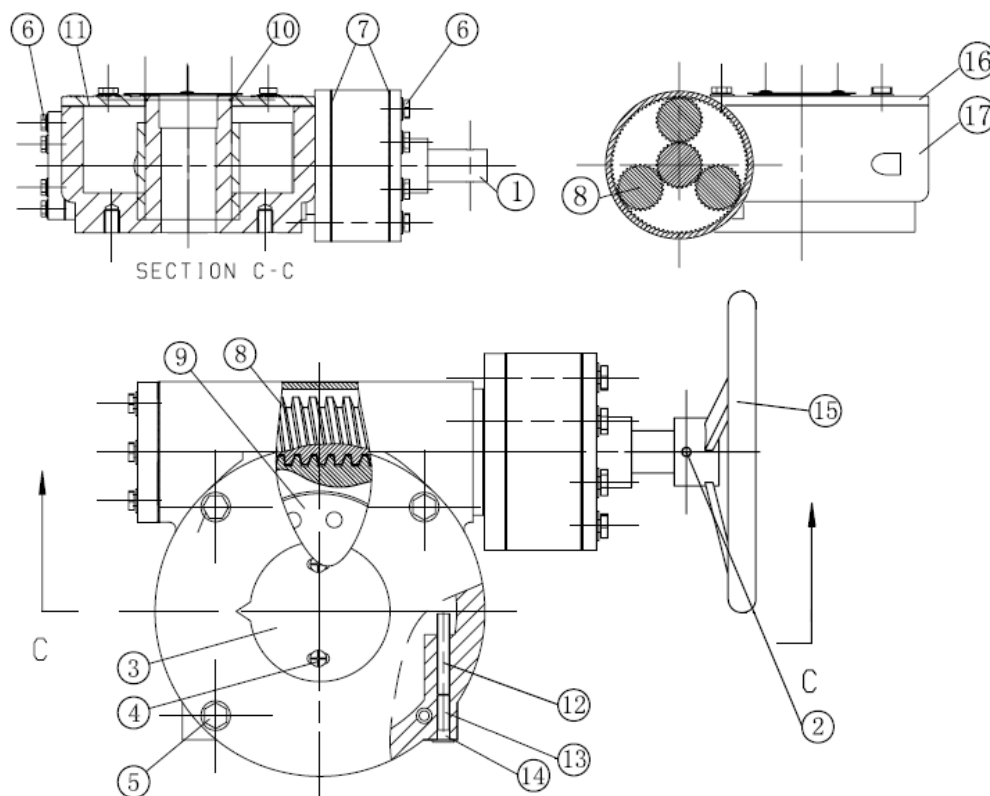
**MATERIALS GEARBOX DN40-450 :**



| Item | Designation             | Materials                          |
|------|-------------------------|------------------------------------|
| 1    | Stem                    | Chromed steel                      |
| 2    | Pin                     | AISI 316                           |
| 3    | Indicator plate         | Aluminium + NBR gasket             |
| 4    | Indicator bolt, washer  | AISI 316                           |
| 5    | Bolt, washer            | AISI 316                           |
| 6    | Gear 1                  | Steel                              |
| 7    | Gear 2                  | Ductile iron EN GJS-400-15         |
| 8    | O ring                  | NBR                                |
| 9    | Bonnet gasket           | NBR                                |
| 10   | Internal set screw      | Carbon steel                       |
| 11   | External set screw      | AISI 316                           |
| 12   | Plastic cap             | Plastic                            |
| 13   | Handwheel               | Cast iron EN GJL-250 epoxy coating |
| 14   | Bonnet                  | Cast iron EN GJL-250 epoxy coating |
| 15   | Body                    | Cast iron EN GJL-250 epoxy coating |
|      | Bolting to fix on valve | AISI 304                           |

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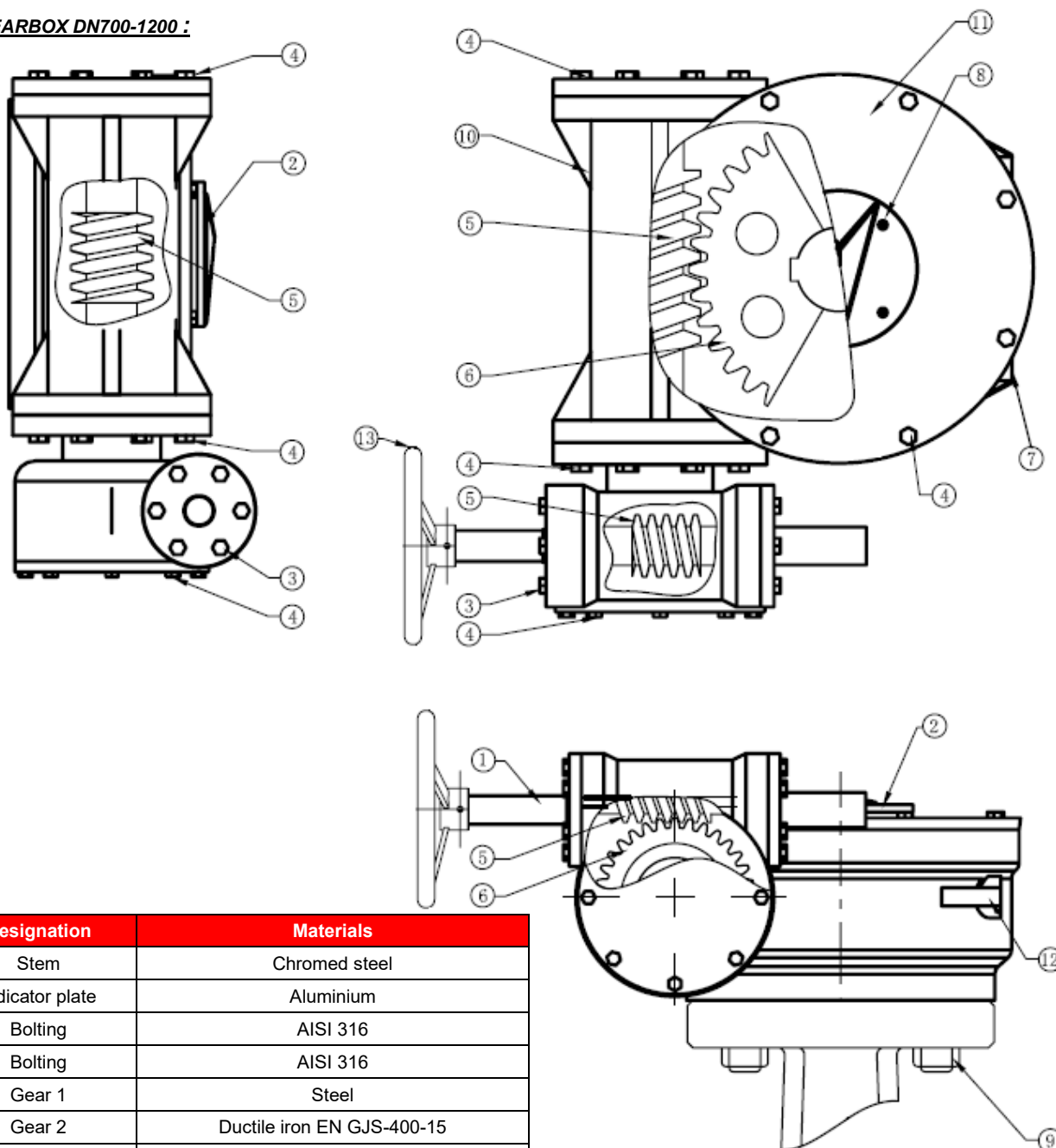
### MATERIALS GEARBOX DN500-600 :



| Item | Designation             | Materials                          |
|------|-------------------------|------------------------------------|
| 1    | Stem                    | Chromed steel                      |
| 2    | Pin                     | AISI 316                           |
| 3    | Indicator plate         | Aluminium + NBR                    |
| 4    | Indicator bolt, washer  | AISI 316                           |
| 5    | Bolt, washer            | AISI 316                           |
| 6    | Bolting                 | AISI 316                           |
| 7    | Body gasket             | NBR                                |
| 8    | Gear 1                  | Steel                              |
| 9    | Gear 2                  | Ductile iron EN GJS-400-15         |
| 10   | O ring                  | NBR                                |
| 11   | Bonnet gasket           | NBR                                |
| 12   | Internal set screw      | Acier                              |
| 13   | External set screw      | AISI 316                           |
| 14   | Cap                     | Plastic                            |
| 15   | Handwheel               | Cast iron EN GJL-250 epoxy coating |
| 16   | Bonnet                  | Cast iron EN GJL-250 epoxy coating |
| 17   | Body                    | Cast iron EN GJL-250 epoxy coating |
|      | Bolting to fix on valve | AISI 304                           |

**CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY  
DUCTILE IRON DISC AND EPDM SEAT**

**MATERIALS GEARBOX DN700-1200 :**

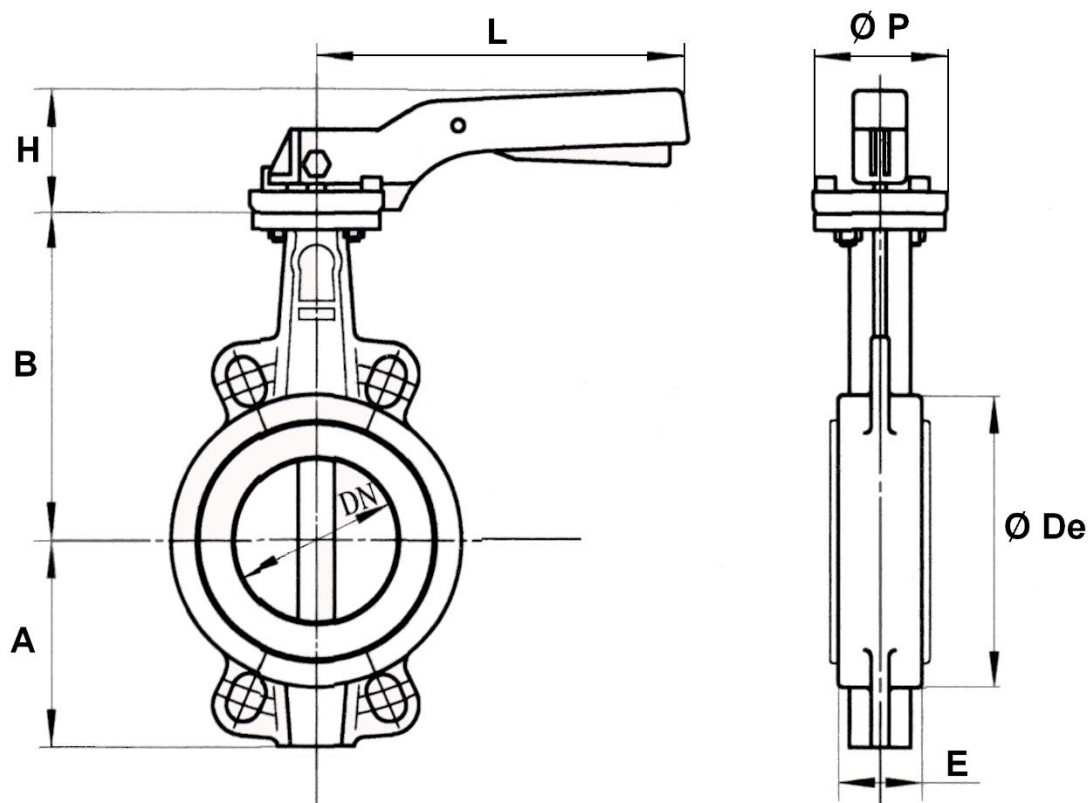


| Item | Designation        | Materials                                |
|------|--------------------|------------------------------------------|
| 1    | Stem               | Chromed steel                            |
| 2    | Indicator plate    | Aluminium                                |
| 3    | Bolting            | AISI 316                                 |
| 4    | Bolting            | AISI 316                                 |
| 5    | Gear 1             | Steel                                    |
| 6    | Gear 2             | Ductile iron EN GJS-400-15               |
| 7    | External set screw | AISI 316                                 |
| 8    | Screw              | AISI 316                                 |
| 9    | Bolting            | AISI 304                                 |
| 10   | Body               | Cast iron EN GJL-250 epoxy coating       |
| 11   | Bonnet             | Cast iron EN GJL-250 epoxy coating       |
| 12   | Internal set screw | Steel                                    |
| 13   | Handwheel          | Ductile iron EN GJS-400-15 epoxy coating |

**CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY  
DUCTILE IRON DISC AND EPDM SEAT**

**VALVES SIZE ( in mm ) :**

- VALVES WITH LEVER DN 32/40 - 300 :**

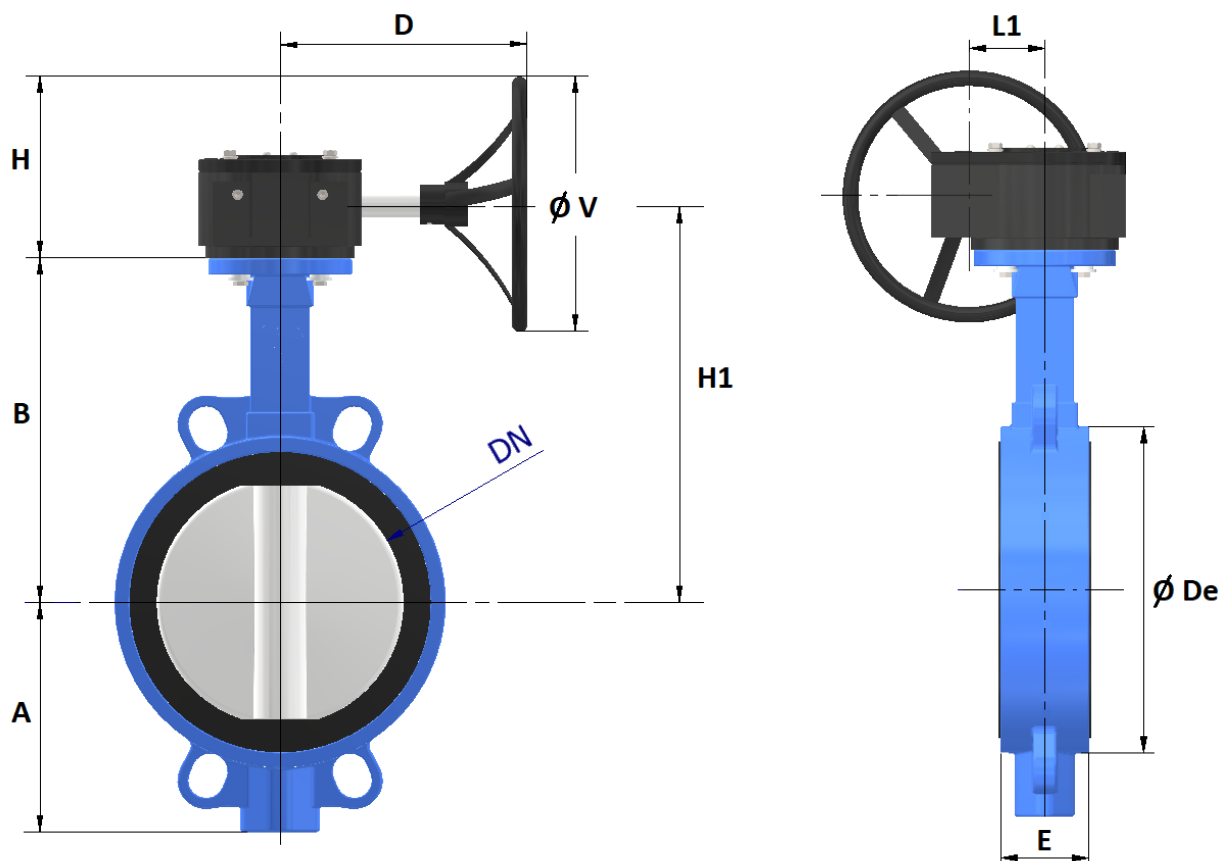


| DN         | 32/40   | 50      | 65      | 80      | 100     | 125     | 150     | 200     | 250     | 300     |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| A          | 61      | 77      | 87,5    | 95      | 107     | 121,5   | 144     | 171     | 205     | 235     |
| B          | 130     | 136,5   | 142     | 158     | 180     | 192     | 215     | 242     | 280     | 310     |
| Ø De       | 82      | 95      | 109     | 121     | 152     | 180     | 207     | 260     | 315     | 370     |
| E          | 33      | 43      | 46      | 46      | 52      | 56      | 56      | 60      | 68      | 78      |
| H          | 70      | 70      | 70      | 70      | 70      | 71      | 71      | 40      | 44      | 44      |
| L          | 195     | 195     | 195     | 195     | 195     | 278     | 278     | 355     | 507     | 507     |
| Ø P        | 65      | 65      | 65      | 65      | 65      | 90      | 90      | 125     | 150     | 150     |
| Weig. (Kg) | 1.85    | 2.53    | 2.86    | 3.16    | 4.21    | 6.67    | 7.66    | 14.67   | 23.4    | 33.8    |
| Ref.       | 1125040 | 1125050 | 1125065 | 1125080 | 1125100 | 1125125 | 1125150 | 1125200 | 1125250 | 1125300 |

**CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY  
DUCTILE IRON DISC AND EPDM SEAT**

**VALVES SIZE ( in mm ) :**

- VALVES WITH GEARBOX DN 32/40 - 300 :**

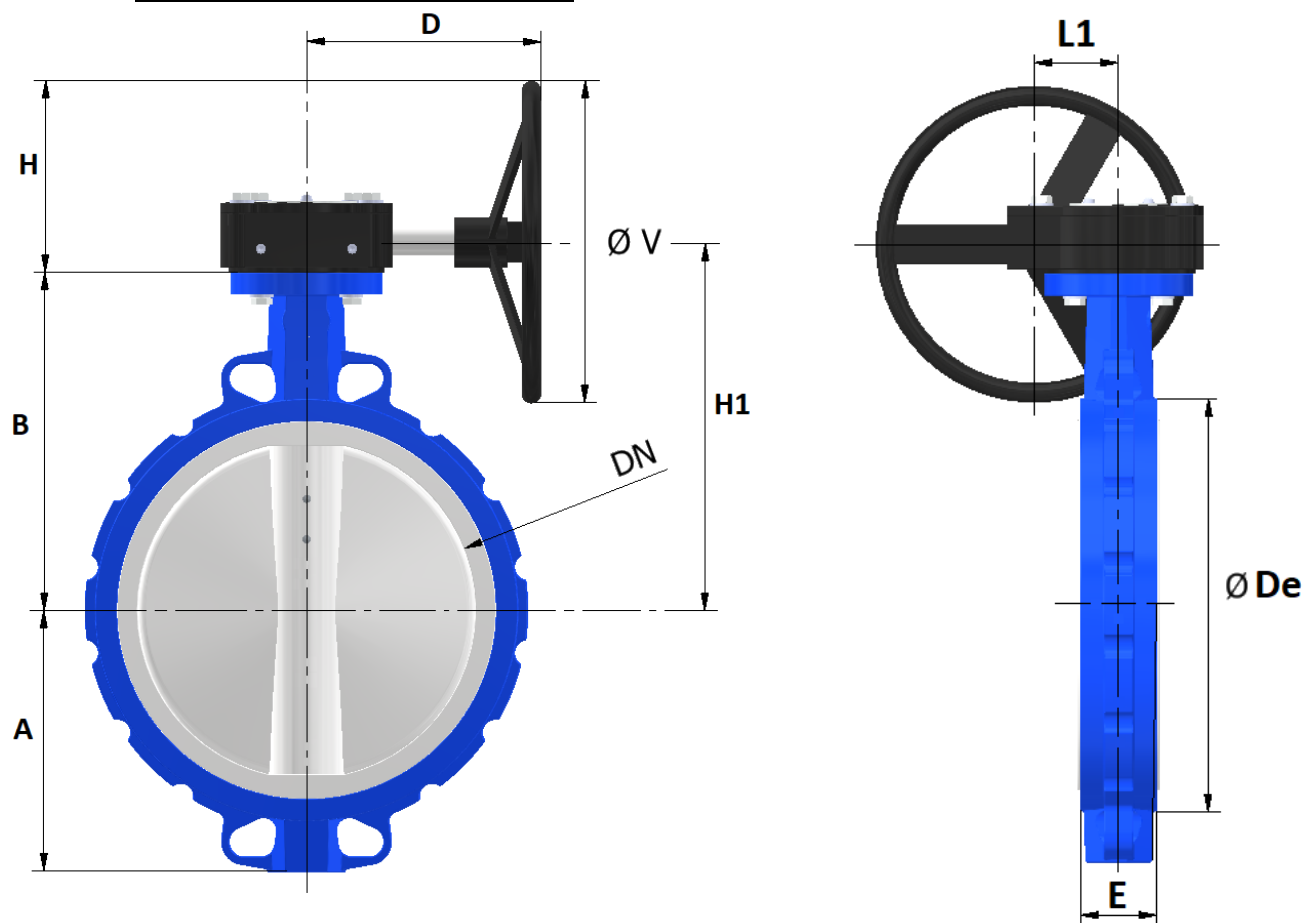


| DN         | 32/40 | 50   | 65   | 80   | 100     | 125     | 150     | 200     | 250     | 300     |
|------------|-------|------|------|------|---------|---------|---------|---------|---------|---------|
| A          | 61    | 77   | 88   | 95   | 107     | 122     | 144     | 171     | 205     | 235     |
| B          | 130   | 137  | 142  | 158  | 180     | 192     | 215     | 242     | 280     | 310     |
| D          | 162   |      |      |      |         |         |         | 224     |         | 223     |
| Ø De       | 82    | 95   | 109  | 121  | 152     | 180     | 207     | 260     | 315     | 370     |
| E          | 33    | 43   | 46   | 46   | 52      | 56      | 56      | 60      | 68      | 78      |
| H          | 112   |      |      |      |         | 162     |         | 191     |         | 192     |
| H1         | 167   | 174  | 179  | 195  | 217     | 229     | 252     | 283     | 321     | 352     |
| L1         | 44    |      |      |      |         |         |         | 66      |         | 77      |
| Ø V        | 150   |      |      |      |         | 250     |         | 300     |         |         |
| Weig. (Kg) | 5.36  | 6.04 | 6.37 | 6.67 | 8.43    | 10.2    | 11.19   | 21.66   | 30.82   | 43.4    |
| Ref.       |       |      |      |      | 1125102 | 1125127 | 1125152 | 1125202 | 1125252 | 1125302 |

**CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY  
DUCTILE IRON DISC AND EPDM SEAT**

**VALVES SIZE ( in mm ) :**

• **VALVES WITH GEARBOX DN 350 :**

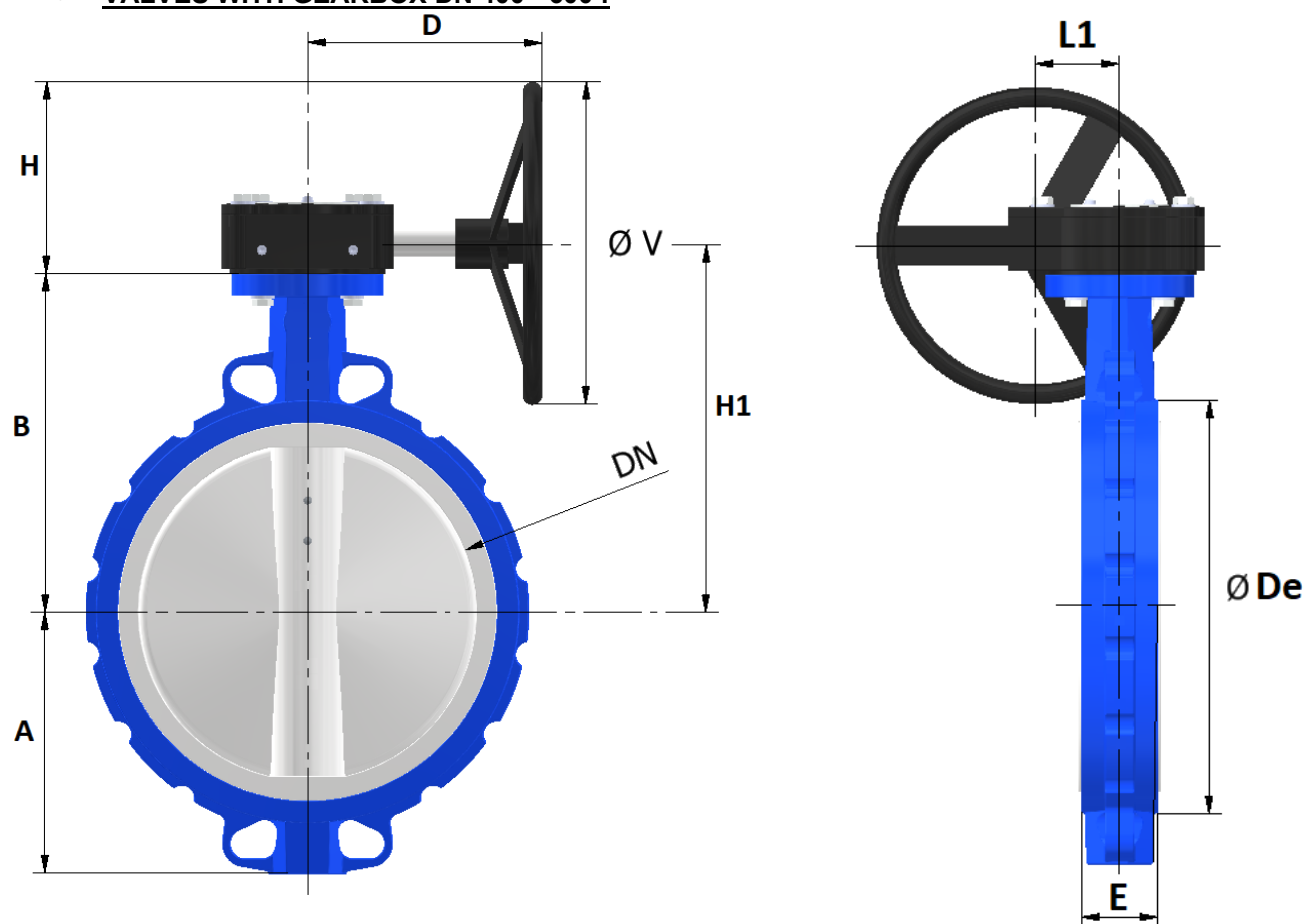


| DN          | 350     |
|-------------|---------|
| A           | 260     |
| B           | 334     |
| D           | 223     |
| Ø De        | 418     |
| E           | 78      |
| H           | 192     |
| H1          | 376     |
| L1          | 77      |
| Ø V         | 300     |
| Weight (Kg) | 54.5    |
| Ref.        | 1125350 |

**CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY  
DUCTILE IRON DISC AND EPDM SEAT**

**VALVES SIZE ( in mm ) :**

- VALVES WITH GEARBOX DN 400 - 600 :**

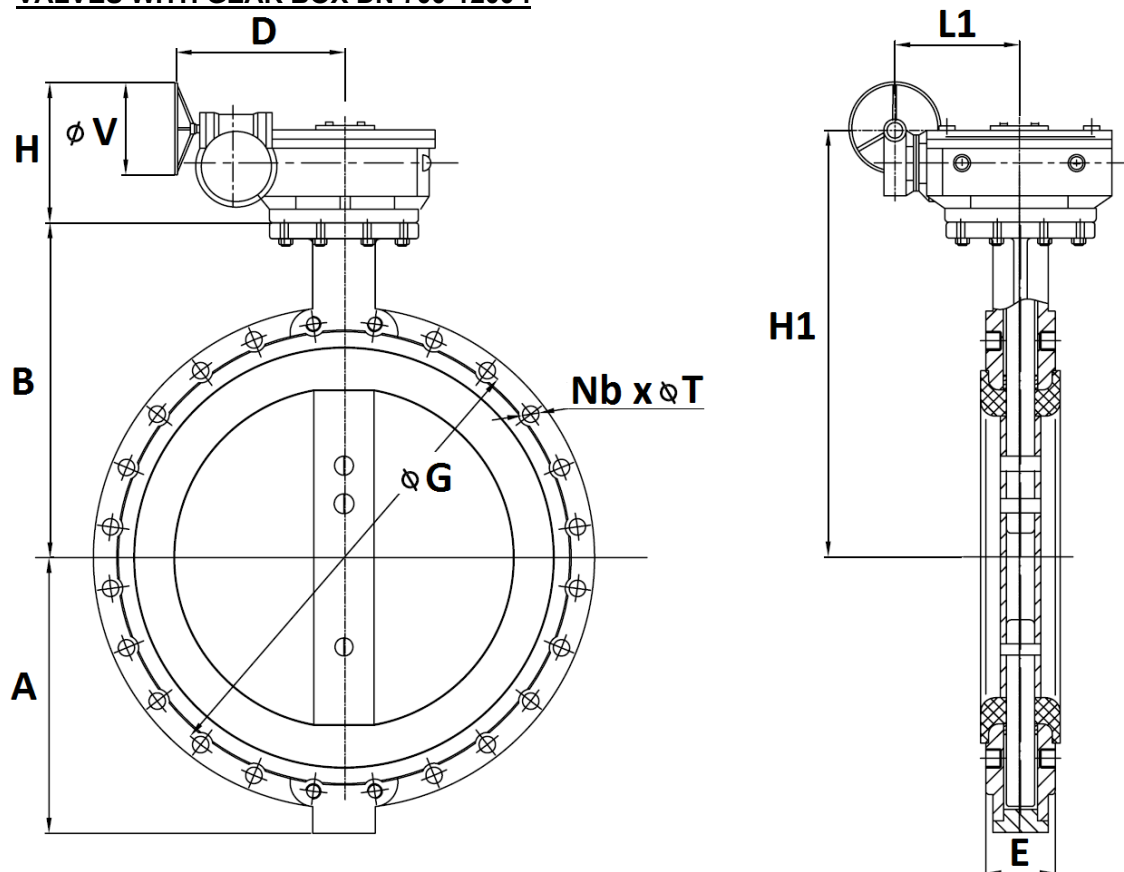


| DN          | 400     | 450     | 500     | 600     |
|-------------|---------|---------|---------|---------|
| A           | 307     | 339     | 368     | 459     |
| B           | 361     | 401     | 480     | 565     |
| D           | 270     | 273     | 332     | 351     |
| Ø De        | 470     | 525     | 570     | 697     |
| E           | 102     | 114     | 127     | 154     |
| H           | 253     | 251     | 225     | 221     |
| H1          | 422     | 460     | 555     | 636     |
| L1          | 126     | 122     | 116     | 122     |
| Ø V         | 383     | 383     | 300     | 300     |
| Weight (Kg) | 77.4    | 107.4   | 155.8   | 231.1   |
| Ref.        | 1125400 | 1125450 | 1125500 | 1125600 |

**CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY  
DUCTILE IRON DISC AND EPDM SEAT**

**VALVES SIZE ( in mm ) :**

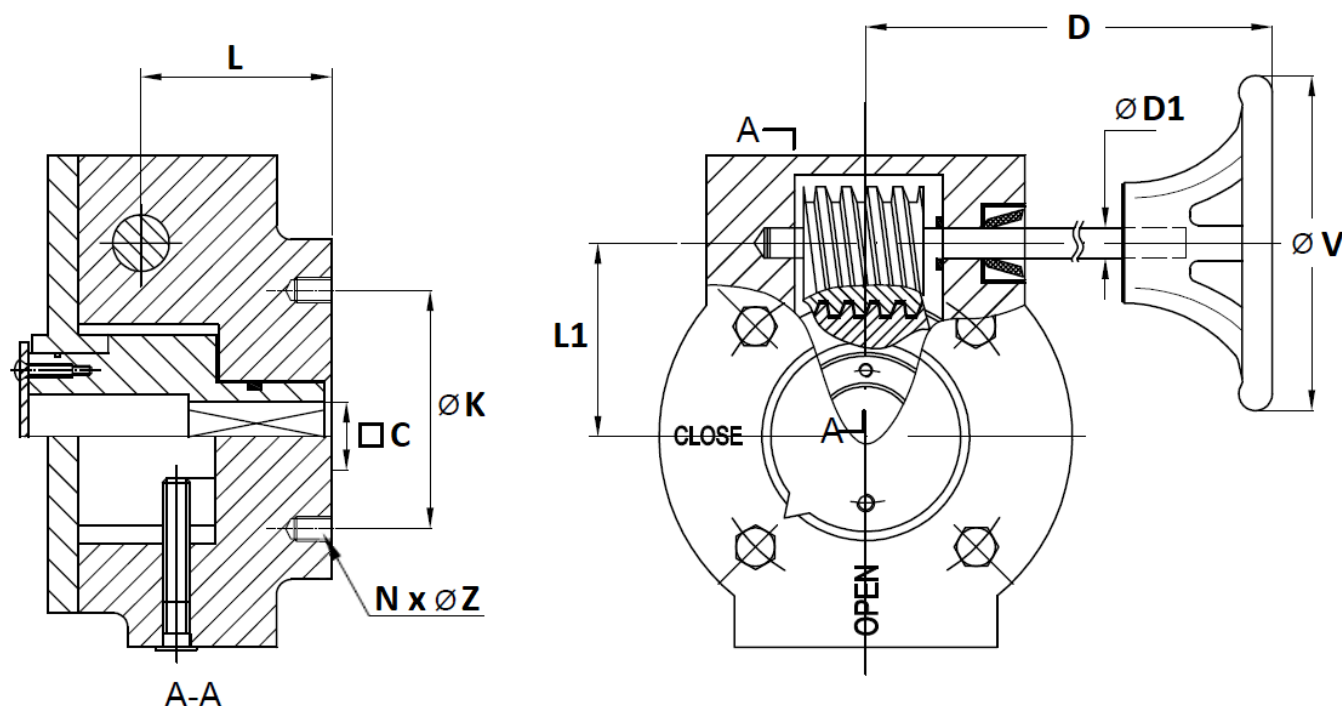
- VALVES WITH GEAR BOX DN 700-1200 :**



| DN          | 700      | 800      | 900      | 1000     | 1200     |
|-------------|----------|----------|----------|----------|----------|
| A           | 520      | 591      | 656      | 721      | 860      |
| B           | 624      | 672      | 720      | 800      | 941      |
| D           | 355      | 355      | 377.5    | 377.5    | 476      |
| E           | 163      | 188      | 203      | 216      | 276      |
| H           | 357      | 357      | 370      | 370      | 434      |
| H1          | 781      | 829      | 890      | 970      | 1150     |
| L1          | 228      | 228      | 243      | 243      | 302      |
| Ø V         | 400      | 400      | 400      | 400      | 450      |
| Ø G         | 840      | 950      | 1050     | 1160     | 1380     |
| Nb x Ø T    | 24 x Ø31 | 24 x Ø34 | 28 x Ø34 | 28 x Ø37 | 32 x Ø40 |
| Weight (Kg) | 372      | 428      | 831      | 982      | 1510     |
| Ref.        | 1125700  | 1125800  | 1125900  | 1125990  |          |

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DUCTILE IRON DISC AND EPDM SEAT**

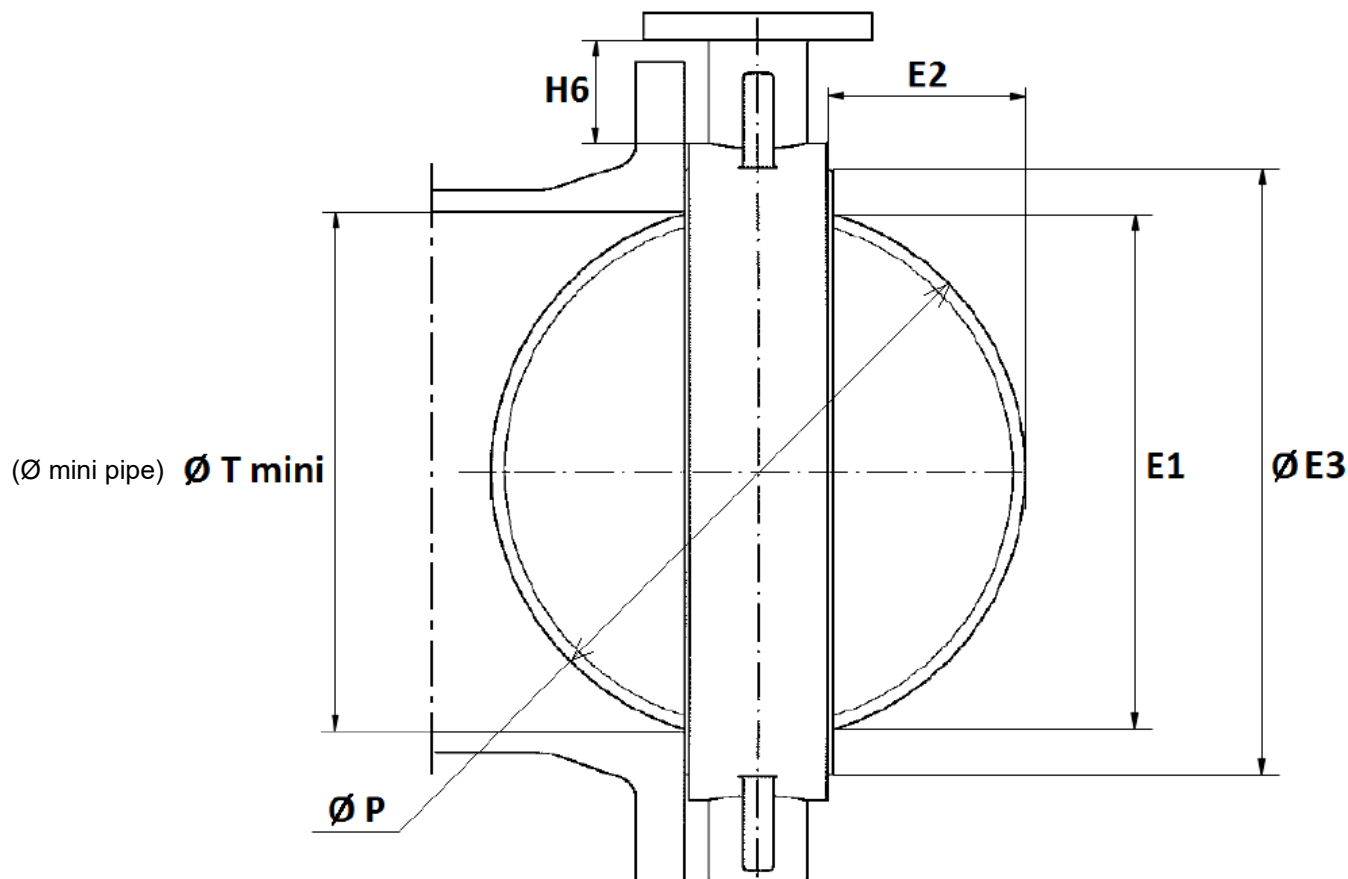
**GEAR BOX SIZE DN32/40-350 ( in mm ) :**



| DN          | 32/80   | 100     | 125/150 | 200     | 250     | 300-350 |
|-------------|---------|---------|---------|---------|---------|---------|
| C           | 9       | 11      | 14      | 17      | 22      | 27      |
| Ø K         | 50      | 50      | 70      | 102     | 125     | 125     |
| ISO         | F05     | F05     | F07     | F10     | F12     | F12     |
| N x ØZ      | 4 x M6  | 4 x M6  | 4 x M8  | 4 x M10 | 4 x M12 | 4 x M12 |
| L           | 37      |         |         | 41      |         | 42      |
| D           | 162     |         |         | 224     |         | 223     |
| L1          | 44      |         |         | 66      |         | 77      |
| Ø D1        | 16      |         |         | 19      |         |         |
| Ø V         | 150     |         | 250     | 300     |         |         |
| Weight (kg) | 3.51    | 4.22    | 3.53    | 6.99    | 7.42    | 9.6     |
| Ref.        | 1198001 | 1198002 | 1198003 | 1198004 | 1198005 | 1198006 |

**CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY  
DUCTILE IRON DISC AND EPDM SEAT**

DISC AND NECK SIZE ( in mm ) :

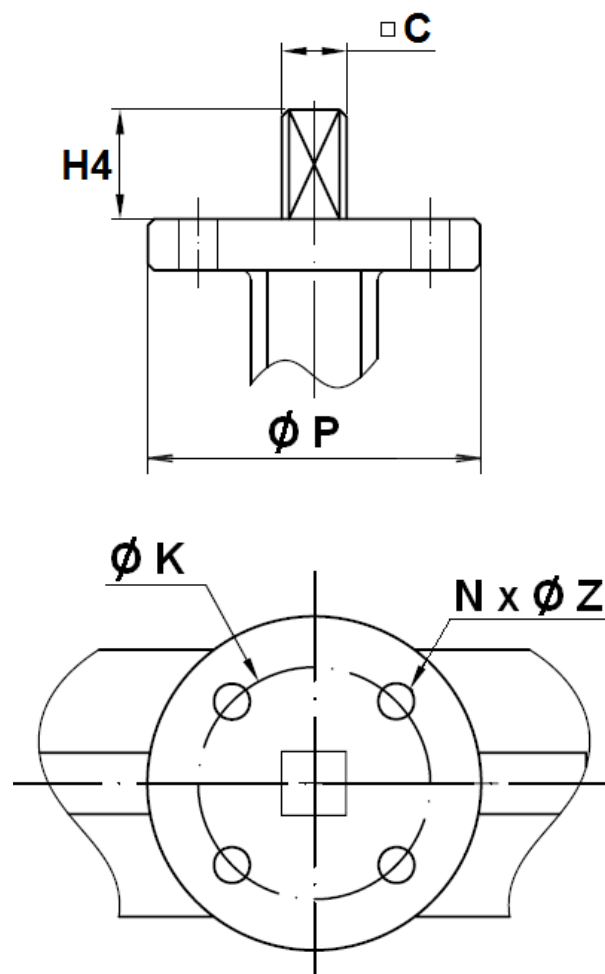


| DN       | 40   | 50    | 65    | 80    | 100    | 125    | 150    | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 600   |
|----------|------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| E1       | 37.7 | 47.06 | 59.81 | 75.56 | 98.37  | 117.02 | 147.65 | 195.3 | 242.5 | 292.6 | 325.4 | 379.8 | 429   | 480.2 | 580.5 |
| E2       | 4.9  | 5     | 9.4   | 16.5  | 26.1   | 33.9   | 49.7   | 71.2  | 91.2  | 111.8 | 127.8 | 143.9 | 163.3 | 182.3 | 219.3 |
| Ø E3 ±2  | 70   | 76    | 90    | 104   | 135    | 159    | 188    | 238   | 292   | 344   | 375   | 439   | 490   | 535   | 654   |
| H6 ±2    | 76.7 | 79    | 79    | 87.5  | 92.3   | 90.3   | 99.2   | 99.5  | 103.8 | 105.8 | 105.8 | 109.5 | 113   | 172   | 192   |
| Ø P      | 42.8 | 53    | 64.8  | 79.1  | 104.25 | 123.8  | 155.4  | 202.4 | 250.5 | 301.6 | 333.7 | 389.8 | 440.7 | 491.8 | 592.7 |
| Ø T mini | 43   | 53    | 65    | 79.5  | 104.5  | 124    | 155.5  | 202.5 | 250.5 | 302   | 334   | 390   | 441   | 492   | 593   |

| DN       | 700 | 800 | 900 | 1000 | 1200 |
|----------|-----|-----|-----|------|------|
| Ø T mini | 694 | 795 | 865 | 964  | 1158 |
| Ø E3 ±2  | 744 | 850 | 947 | 1053 |      |

**CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY  
DUCTILE IRON DISC AND EPDM SEAT**

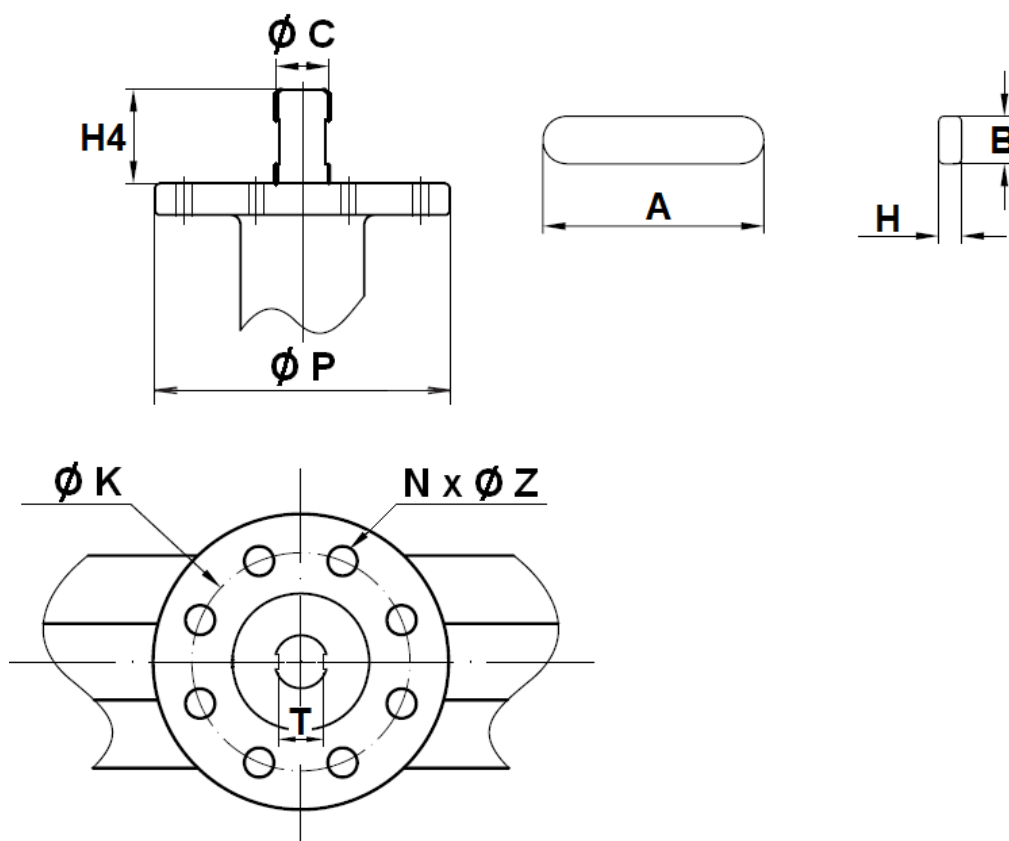
ISO MOUNTING PAD SIZE ( in mm ) DN 32 – 600 :



| DN      | 32/40 | 50    | 65    | 80    | 100   | 125   | 150   | 200    | 250    | 300    | 350    | 400    | 450    | 500    | 600    |
|---------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| C       | 9     | 9     | 9     | 9     | 11    | 14    | 14    | 17     | 22     | 27     | 27     | 27     | 30     | 36     | 46     |
| Ø K     | 50    | 50    | 50    | 50    | 50    | 70    | 70    | 102    | 125    | 125    | 125    | 125    | 165    | 165    | 165    |
| ISO     | F05   | F05   | F05   | F05   | F05   | F07   | F07   | F10    | F12    | F12    | F12    | F12    | F16    | F16    | F16    |
| N x Ø Z | 4 x 7 | 4 x 7 | 4 x 7 | 4 x 7 | 4 x 7 | 4 x 9 | 4 x 9 | 4 x 11 | 4 x 13 | 4 x 13 | 4 x 14 | 4 x 14 | 4 x 22 | 4 x 22 | 4 x 22 |
| H4      | 32    | 32    | 32    | 32    | 32    | 42    | 42    | 36     | 38     | 38     | 45     | 50     | 50     | 65     | 70     |
| Ø P     | 65    | 65    | 65    | 65    | 65    | 90    | 90    | 125    | 150    | 150    | 150    | 150    | 210    | 210    | 300    |

**CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY  
DUCTILE IRON DISC AND EPDM SEAT**

**ISO MOUNTING PAD SIZE ( in mm ) DN 700 – 1200 :**



| DN      | 700    | 800    | 900    | 1000   | 1200   |
|---------|--------|--------|--------|--------|--------|
| Ø C     | 63.35  | 63.35  | 75     | 85     | 105    |
| Ø K     | 254    | 254    | 254    | 254    | 298    |
| ISO     | F25    | F25    | F25    | F25    | F30    |
| N x Ø Z | 8 x 18 | 8 x 18 | 8 x 18 | 8 x 18 | 8 x 22 |
| H4      | 80     | 80     | 118    | 142    | 150    |
| Ø P     | 300    | 300    | 300    | 300    | 350    |
| A       | 60     | 60     | 100    | 110    | 110    |
| B       | 18     | 18     | 20     | 22     | 28     |
| H       | 11     | 11     | 12     | 14     | 16     |



**CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY  
DUCTILE IRON DISC AND EPDM SEAT**

**GEARBOX SPECIFICATIONS :**

| DN                 | 32/80   | 100     | 125/150 | 200     | 250     | 300-350 |
|--------------------|---------|---------|---------|---------|---------|---------|
| Ref.               | 1198001 | 1198002 | 1198003 | 1198004 | 1198005 | 1198006 |
| Ratio factor       | 24 :1   | 24 :1   | 24 :1   | 30 :1   | 30 :1   | 50 :1   |
| Input torque (Nm)  | 18      | 18      | 18      | 58      | 58      | 60      |
| Output torque (Nm) | 170     | 170     | 170     | 700     | 700     | 1200    |

| DN                 | 400   | 450   | 500    | 600    | 700    | 800    | 900    | 1000   | 1200    |
|--------------------|-------|-------|--------|--------|--------|--------|--------|--------|---------|
| Ratio factor       | 80 :1 | 80 :1 | 260 :1 | 300 :1 | 704 :1 | 704 :1 | 832 :1 | 832 :1 | 1056 :1 |
| Input torque (Nm)  | 78    | 78    | 30     | 45     | 95     | 95     | 178    | 178    | 260     |
| Output torque (Nm) | 2500  | 2500  | 2500   | 4000   | 8000   | 8000   | 15000  | 15000  | 25000   |



## CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY DUCTILE IRON DISC AND EPDM SEAT

### STANDARDS :

- Manufacturer certified ISO 9001:2015 and ISO 14001 : 2015
- Designing according to API 609
- DIRECTIVE 2014/68/EU: For liquids and gas of Group 1
  - DN32-50: Risk Category I, CE marking
  - DN65-200: Risk Category II, CE0035 marking
  - DN250-300: Risk Category III, CE0035 marking
  - DN350: Risk Category II, CE0035 marking
  - DN400-600: Risk Category III, CE0035 marking
- DIRECTIVE 2014/68/EU: For liquids of Group 2
  - DN700-1200 : Article 4.3 (SEP), no CE marking
- Certificate 3.1 on request
- Pressure tests according to API 598, table 6
- Length according to ISO 5752 series 20, EN 558 series 20 ( NF 29305 )
- ISO 5211 mounting pad
- Between flanges according to EN 1092-1 PN6-PN10/16 and ASME B16.5 Class 150 (PN20)
- Valves according to LR Rules and Regulation for the classification of Ships, July 2025 (Type Approval Certificate) **Marine LLOYD'S REGISTER**. Marine and offshore subject to the valves complying LR Rules and Regulations for the particular services.
  - ISO 19921:2005
  - GB/T 22218 - 2008

**ADVICE :** Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages.  
The customer must check the right choice of the products with the real service conditions.