

**BROEN**  
BALLOMAX®

*Designed to last*

# Butterfly valve - DN80-450, PN25

## Type 65102

### Welding × Welding with BROEN-Gear

Butterfly ventil.

### Materials

See next page.

### Applications

Isolating valve for heating systems, district heating, cooling and industrial purpose.

### Media

Water, air and other media not decomposing the steel. If in doubt, please contact BROEN BALLOMAX® Sales Department.

### Surface treatment

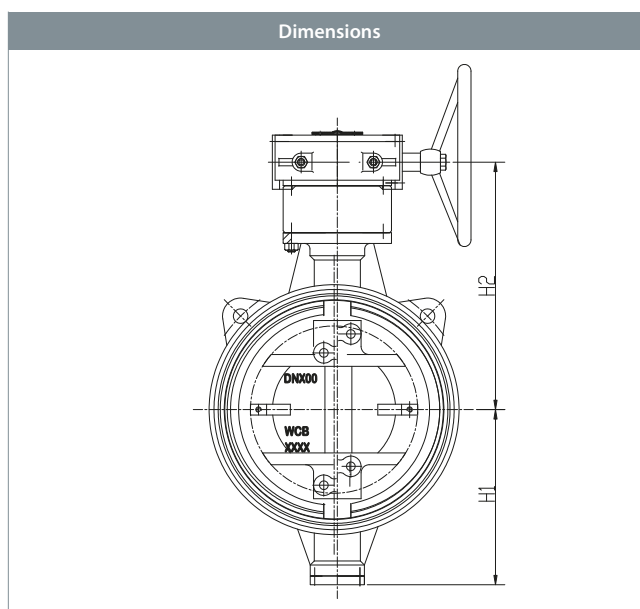
Eco-friendly protection finish against corrosion.

### Operation

BROEN-Gear.

### Approvals and certificates

BROEN is certified according to ISO 9001 and environmentally certified according to ISO 14001. BROEN BALLOMAX® is approved according to the requirements of Pressure Equipment Directive (PED). The 3.1 certificate is available upon request.



| DN  | BROEN No.       | Bore | Kvs  | net Weight kg | All dimensions in mm |     |     |     | ISO |
|-----|-----------------|------|------|---------------|----------------------|-----|-----|-----|-----|
|     |                 |      |      |               | D1                   | L   | H1  | H2  |     |
| 80  | 6510225080GBPSS | 82   | 164  | 12            | 89                   | 180 | 85  | 205 | F07 |
| 100 | 6510225100GBPSS | 106  | 250  | 22            | 114                  | 190 | 100 | 225 | F07 |
| 125 | 6510225125GBPSS | 132  | 414  | 25            | 140                  | 200 | 110 | 276 | F10 |
| 150 | 6510225150GBPSS | 159  | 682  | 32            | 168                  | 210 | 180 | 296 | F10 |
| 200 | 6510225200GBPSS | 206  | 1300 | 55            | 219                  | 230 | 220 | 357 | F12 |
| 250 | 6510225250GBPSS | 259  | 2200 | 66            | 273                  | 250 | 240 | 392 | F12 |
| 300 | 6510225300GBPSS | 308  | 3370 | 95            | 324                  | 270 | 270 | 422 | F14 |
| 350 | 6510225350GBPSS | 340  | 4432 | 150           | 356                  | 290 | 305 | 473 | F16 |
| 400 | 6510225400GBPSS | 388  | 6411 | 180           | 406                  | 310 | 335 | 518 | F16 |
| 450 | 6510225450GBPSS | 439  | 8660 | 250           | 457                  | 330 | 365 | 548 | F25 |

# Butterfly valve - DN80-450, PN25

Type 65102



| Technical drawing | Material description |                |                            |
|-------------------|----------------------|----------------|----------------------------|
|                   | 1                    | Bottom Cover   | ASTM A216 Gr. WCB          |
|                   | 2                    | Screws         | ASTM A193 Gr. B7           |
|                   | 3                    | Gasket         | 304 + Graphite             |
|                   | 4                    | Valve body     | ASTM A216 Gr. WCB          |
|                   | 5                    | Disc seat      | 304 + Graphite             |
|                   | 6                    | Retaining ring | ASTM A105                  |
|                   | 7                    | Disc           | ASTM216 Gr. WCB            |
|                   | 8                    | Stem           | ASTM A564 Gr. 630 (17-4PH) |
|                   | 9                    | Taper pin      | ASTM A276 Gr. 410          |
|                   | 10                   | Screws         | ASTM A193 Gr. B7           |
|                   | 11                   | Body seat      | D507Mo (surfacing)         |
|                   | 12                   | Bushing        | SF-1                       |
|                   | 13                   | Packing        | Graphite                   |
|                   | 14                   | Gland          | ASTM A216 Gr. WCB          |
|                   | 15                   | Gland Studs    | ASTM A193 Gr. B7           |
|                   | 16                   | Gland Nuts     | ASTM A194 Gr. 2H           |
|                   | 17                   | Yoke Studs     | ASTM A193 Gr. B7           |
|                   | 18                   | Yoke Nuts      | ASTM A194 Gr. 2H           |
|                   | 19                   | Yoke           | ASTM A216 Gr. WCB          |
|                   | 20                   | Wormgear       | Assembly set               |
|                   | 21                   | Handwheel      | ASTM A216 Gr. WCB          |

# Butterfly valve - DN500-1000, PN25

## Type 65102

### Welding × Welding with BROEN-Gear

Butterfly ventil.

### Materials

See next page.

### Applications

Isolating valve for heating systems, district heating, cooling and industrial purpose.

### Media

Water, air and other media not decomposing the steel. If in doubt, please contact BROEN BALLOMAX® Sales Department.

### Surface treatment

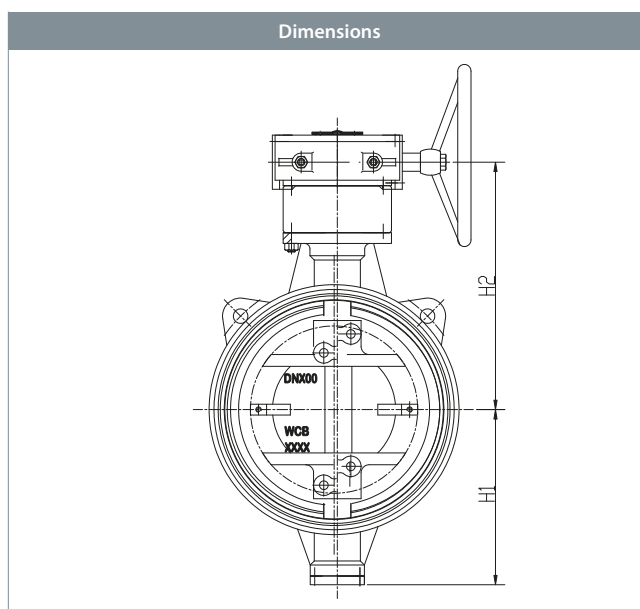
Eco-friendly protection finish against corrosion.

### Operation

BROEN-Gear.

### Approvals and certificates

BROEN is certified according to ISO 9001 and environmentally certified according to ISO 14001. BROEN BALLOMAX® is approved according to the requirements of Pressure Equipment Directive (PED). The 3.1 certificate is available upon request.



| DN   | BROEN No.       | Bore | Kvs   | net Weight kg | All dimensions in mm |     |     |      | ISO |
|------|-----------------|------|-------|---------------|----------------------|-----|-----|------|-----|
|      |                 |      |       |               | D1                   | L   | H1  | H2   |     |
| 500  | 6510225500GBPSS | 488  | 10320 | 400           | 508                  | 350 | 400 | 680  | F25 |
| 600  | 6510225600GBPSS | 589  | 16012 | 640           | 610                  | 390 | 485 | 730  | F30 |
| 700  | 6510225700GBPSS | 683  | 25235 | 820           | 711                  | 430 | 530 | 862  | F30 |
| 800  | 6510225800GBPSS | 781  | 31771 | 1200          | 813                  | 470 | 640 | 972  | F35 |
| 900  | 6510225900GBPSS | 879  | 37594 | 1650          | 914                  | 510 | 690 | 1040 | F35 |
| 1000 | 6510225001GBPSS | 976  | 54201 | 1800          | 1016                 | 550 | 760 | 1135 | F40 |

# Butterfly valve - DN500-1000, PN25

Type 65102



| Technical drawing |    | Material description |                            |
|-------------------|----|----------------------|----------------------------|
|                   | 1  | Bottom Cover         | ASTM A216 Gr. WCB          |
|                   | 2  | Screws               | ASTM A193 Gr. B7           |
|                   | 3  | Gasket               | 304 + Graphite             |
|                   | 4  | Thrust ring          | ASTM A29 Gr. 1035          |
|                   | 5  | Valve body           | ASTM A216 Gr. WCB          |
|                   | 6  | Disc seat            | 304 + Graphite             |
|                   | 7  | Retaining ring       | ASTM A105                  |
|                   | 8  | Disc                 | ASTM216 Gr. WCB            |
|                   | 9  | Stem                 | ASTM A564 Gr. 630 (17-4PH) |
|                   | 10 | Taper pin            | ASTM A276 Gr. 410          |
|                   | 11 | Screws               | ASTM A193 Gr. B7           |
|                   | 12 | Body seat            | D507Mo (surfacing)         |
|                   | 13 | Bushing              | SF-1                       |
|                   | 14 | Packing              | Graphite                   |
|                   | 15 | Gland                | ASTM A216 Gr. WCB          |
|                   | 16 | Gland Studs          | ASTM A193 Gr. B7           |
|                   | 17 | Gland Nuts           | ASTM A194 Gr. 2H           |
|                   | 18 | Yoke Studs           | ASTM A193 Gr. B7           |
|                   | 19 | Yoke Nuts            | ASTM A194 Gr. 2H           |
|                   | 20 | Yoke                 | ASTM A216 Gr. WCB          |
|                   | 21 | Wormgear             | Assembly set               |
|                   | 22 | Handwheel            | ASTM A216 Gr. WCB          |

# Butterfly valve - DN80-450, PN25

## Type 65103

### Flange × Flange with BROEN-Gear

Butterfly ventil.

### Materials

See next page.

### Applications

Isolating valve for heating systems, district heating, cooling and industrial purpose.

### Media

Water, air and other media not decomposing the steel. If in doubt, please contact BROEN BALLOMAX® Sales Department.

### Surface treatment

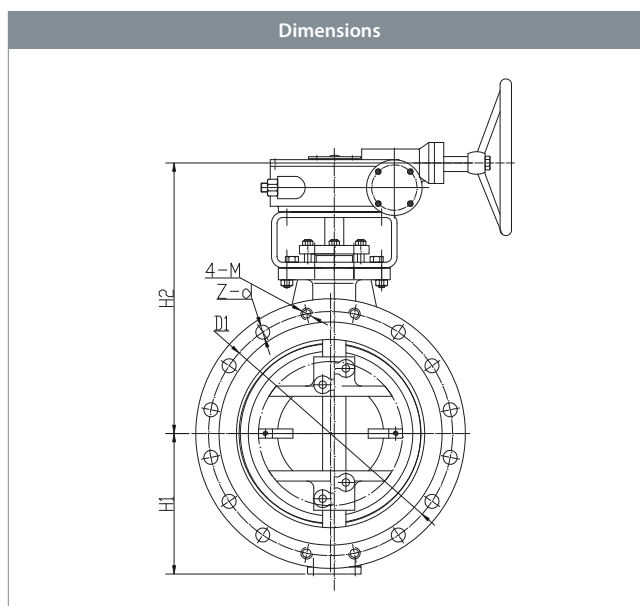
Eco-friendly protection finish against corrosion.

### Operation

BROEN-Gear.

### Approvals and certificates

BROEN is certified according to ISO 9001 and environmentally certified according to ISO 14001. BROEN BALLOMAX® is approved according to the requirements of Pressure Equipment Directive (PED). The 3.1 certificate is available upon request.



| DN  | BROEN No.       | Bore | Kvs  | net Weight kg | All dimensions in mm |     |     |     | ISO |
|-----|-----------------|------|------|---------------|----------------------|-----|-----|-----|-----|
|     |                 |      |      |               | D                    | L   | H1  | H2  |     |
| 80  | 6510325080GBPSS | 80   | 164  | 22            | 200                  | 114 | 100 | 205 | F07 |
| 100 | 6510325100GBPSS | 105  | 250  | 32            | 235                  | 127 | 118 | 225 | F07 |
| 125 | 6510325125GBPSS | 125  | 414  | 39            | 270                  | 140 | 135 | 276 | F10 |
| 150 | 6510325150GBPSS | 155  | 682  | 45            | 300                  | 140 | 175 | 296 | F10 |
| 200 | 6510325200GBPSS | 205  | 1300 | 77            | 360                  | 152 | 185 | 370 | F12 |
| 250 | 6510325250GBPSS | 255  | 2200 | 100           | 425                  | 165 | 220 | 400 | F12 |
| 300 | 6510325300GBPSS | 305  | 3370 | 156           | 485                  | 178 | 250 | 455 | F14 |
| 350 | 6510325350GBPSS | 355  | 4432 | 200           | 555                  | 190 | 283 | 515 | F16 |
| 400 | 6510325400GBPSS | 405  | 6411 | 290           | 620                  | 216 | 325 | 540 | F16 |
| 450 | 6510325450GBPSS | 455  | 8660 | 350           | 670                  | 222 | 345 | 570 | F25 |

# Butterfly valve - DN80-450, PN25

Type 65103



| Technical drawing |    | Material description |                            |
|-------------------|----|----------------------|----------------------------|
|                   | 1  | Bottom Cover         | ASTM A216 Gr. WCB          |
|                   | 2  | Screws               | ASTM A193 Gr. B7           |
|                   | 3  | Gasket               | 304 + Graphite             |
|                   | 4  | Valve body           | ASTM A216 Gr. WCB          |
|                   | 5  | Disc seat            | 304 + Graphite             |
|                   | 6  | Retaining ring       | ASTM A105                  |
|                   | 7  | Disc                 | ASTM216 Gr. WCB            |
|                   | 8  | Stem                 | ASTM A564 Gr. 630 (17-4PH) |
|                   | 9  | Taper pin            | ASTM A276 Gr. 410          |
|                   | 10 | Screws               | ASTM A193 Gr. B7           |
|                   | 11 | Body seat            | D507Mo (surfacing)         |
|                   | 12 | Bushing              | SF-1                       |
|                   | 13 | Packing              | Graphite                   |
|                   | 14 | Gland                | ASTM A216 Gr. WCB          |
|                   | 15 | Gland Studs          | ASTM A193 Gr. B7           |
|                   | 16 | Gland Nuts           | ASTM A194 Gr. 2H           |
|                   | 17 | Yoke Studs           | ASTM A193 Gr. B7           |
|                   | 18 | Yoke Nuts            | ASTM A194 Gr. 2H           |
|                   | 19 | Yoke                 | ASTM A216 Gr. WCB          |
|                   | 20 | Wormgear             | Assembly set               |
|                   | 21 | Handwheel            | ASTM A216 Gr. WCB          |

# Butterfly valve - DN500-1000, PN25

## Type 65103

### Flange × Flange with BROEN-Gear

Butterfly ventil.

### Materials

See next page.

### Applications

Isolating valve for heating systems, district heating, cooling and industrial purpose.

### Media

Water, air and other media not decomposing the steel. If in doubt, please contact BROEN BALLOMAX® Sales Department.

### Surface treatment

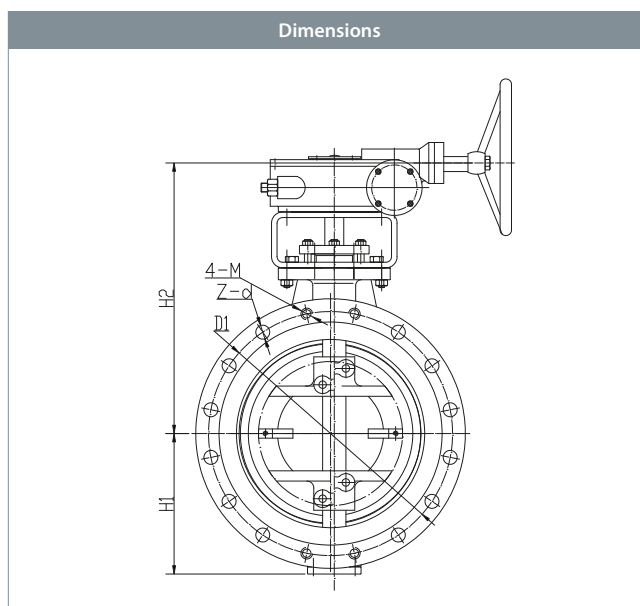
Eco-friendly protection finish against corrosion.

### Operation

BROEN-Gear.

### Approvals and certificates

BROEN is certified according to ISO 9001 and environmentally certified according to ISO 14001. BROEN BALLOMAX® is approved according to the requirements of Pressure Equipment Directive (PED). The 3.1 certificate is available upon request.



| DN   | BROEN No.       | Bore | Kvs   | net Weight kg | All dimensions in mm |     |     |      | ISO |
|------|-----------------|------|-------|---------------|----------------------|-----|-----|------|-----|
|      |                 |      |       |               | D                    | L   | H1  | H2   |     |
| 500  | 6510325500GBPSS | 505  | 10320 | 370           | 730                  | 229 | 375 | 690  | F25 |
| 600  | 6510325600GBPSS | 605  | 16012 | 530           | 845                  | 267 | 435 | 750  | F30 |
| 700  | 6510325700GBPSS | 705  | 25235 | 900           | 960                  | 292 | 545 | 905  | F30 |
| 800  | 6510325800GBPSS | 805  | 31771 | 1100          | 1085                 | 318 | 625 | 975  | F35 |
| 900  | 6510325900GBPSS | 900  | 37594 | 1250          | 1185                 | 330 | 645 | 1020 | F35 |
| 1000 | 6510325001GBPSS | 1000 | 54201 | 1900          | 1320                 | 410 | 725 | 1130 | F40 |



# Butterfly valve - DN500-1000, PN25

Type 65103



| Technical drawing |    | Material description |                            |
|-------------------|----|----------------------|----------------------------|
|                   | 1  | Bottom Cover         | ASTM A216 Gr. WCB          |
|                   | 2  | Screws               | ASTM A193 Gr. B7           |
|                   | 3  | Gasket               | 304 + Graphite             |
|                   | 4  | Thrust ring          | ASTM A29 Gr. 1035          |
|                   | 5  | Valve body           | ASTM A216 Gr. WCB          |
|                   | 6  | Disc seat            | 304 + Graphite             |
|                   | 7  | Retaining ring       | ASTM A105                  |
|                   | 8  | Disc                 | ASTM216 Gr. WCB            |
|                   | 9  | Stem                 | ASTM A564 Gr. 630 (17-4PH) |
|                   | 10 | Taper pin            | ASTM A276 Gr. 410          |
|                   | 11 | Screws               | ASTM A193 Gr. B7           |
|                   | 12 | Body seat            | D507Mo (surfacing)         |
|                   | 13 | Bushing              | SF-1                       |
|                   | 14 | Packing              | Graphite                   |
|                   | 15 | Gland                | ASTM A216 Gr. WCB          |
|                   | 16 | Gland Studs          | ASTM A193 Gr. B7           |
|                   | 17 | Gland Nuts           | ASTM A194 Gr. 2H           |
|                   | 18 | Yoke Studs           | ASTM A193 Gr. B7           |
|                   | 19 | Yoke Nuts            | ASTM A194 Gr. 2H           |
|                   | 20 | Yoke                 | ASTM A216 Gr. WCB          |
|                   | 21 | Wormgear             | Assembly set               |
|                   | 22 | Handwheel            | ASTM A216 Gr. WCB          |

# Butterfly valve - DN80-450, PN25

## Type 65124

### Wafer type with BROEN-Gear

Butterfly ventil.

### Materials

See next page.

### Applications

Isolating valve for heating systems, district heating, cooling and industrial purpose.

### Media

Water, air and other media not decomposing the steel. If in doubt, please contact BROEN BALLOMAX® Sales Department.

### Surface treatment

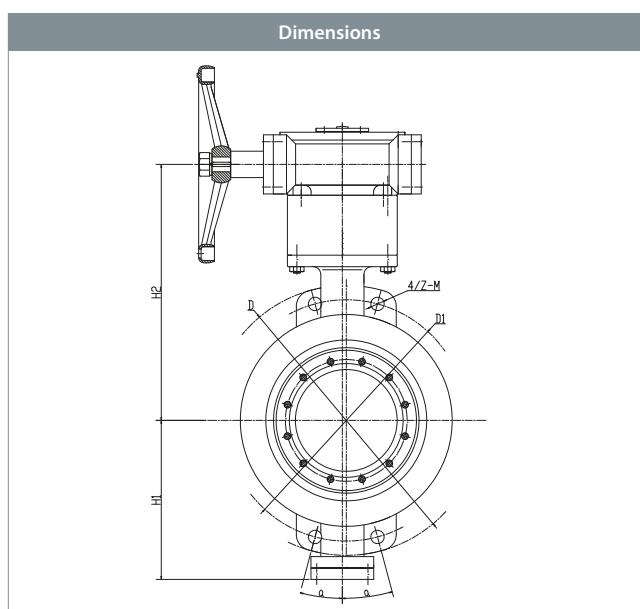
Eco-friendly protection finish against corrosion.

### Operation

BROEN-Gear.

### Approvals and certificates

BROEN is certified according to ISO 9001 and environmentally certified according to ISO 14001. BROEN BALLOMAX® is approved according to the requirements of Pressure Equipment Directive (PED). The 3.1 certificate is available upon request.



| DN  | BROEN No.       | Bore | Kvs  | net Weight kg | All dimensions in mm |     |     |     |     |     | ISO |
|-----|-----------------|------|------|---------------|----------------------|-----|-----|-----|-----|-----|-----|
|     |                 |      |      |               | D                    | D1  | D2  | L   | H1  | H2  |     |
| 80  | 6512425080GBPSS | 80   | 164  | 10            | 200                  | 160 | 138 | 64  | 100 | 195 | F07 |
| 100 | 6512425100GBPSS | 100  | 250  | 18            | 235                  | 190 | 162 | 64  | 110 | 215 | F07 |
| 125 | 6512425125GBPSS | 125  | 414  | 25            | 270                  | 220 | 188 | 70  | 135 | 270 | F10 |
| 150 | 6512425150GBPSS | 150  | 682  | 30            | 300                  | 250 | 218 | 76  | 175 | 290 | F10 |
| 200 | 6512425200GBPSS | 200  | 1300 | 38            | 360                  | 310 | 278 | 89  | 185 | 330 | F12 |
| 250 | 6512425250GBPSS | 250  | 2200 | 60            | 425                  | 370 | 335 | 114 | 215 | 375 | F12 |
| 300 | 6512425300GBPSS | 300  | 3370 | 88            | 485                  | 430 | 395 | 114 | 250 | 440 | F14 |
| 350 | 6512425350GBPSS | 350  | 4432 | 140           | 555                  | 490 | 450 | 127 | 285 | 455 | F16 |
| 400 | 6512425400GBPSS | 400  | 6411 | 185           | 620                  | 550 | 505 | 140 | 325 | 510 | F16 |
| 450 | 6512425450GBPSS | 450  | 8660 | 240           | 670                  | 600 | 555 | 152 | 345 | 550 | F25 |

# Butterfly valve - DN80-450, PN25

Type 65124



| Technical drawing |    | Material description |                            |
|-------------------|----|----------------------|----------------------------|
|                   | 1  | Bottom Cover         | ASTM A216 Gr. WCB          |
|                   | 2  | Screws               | ASTM A193 Gr. B7           |
|                   | 3  | Gasket               | 304 + Graphite             |
|                   | 4  | Valve body           | ASTM A216 Gr. WCB          |
|                   | 5  | Disc seat            | 304 + Graphite             |
|                   | 6  | Retaining ring       | ASTM A105                  |
|                   | 7  | Disc                 | ASTM216 Gr. WCB            |
|                   | 8  | Stem                 | ASTM A564 Gr. 630 (17-4PH) |
|                   | 9  | Taper pin            | ASTM A276 Gr. 410          |
|                   | 10 | Screws               | ASTM A193 Gr. B7           |
|                   | 11 | Body seat            | D507Mo (surfacing)         |
|                   | 12 | Bushing              | SF-1                       |
|                   | 13 | Packing              | Graphite                   |
|                   | 14 | Gland                | ASTM A216 Gr. WCB          |
|                   | 15 | Gland Studs          | ASTM A193 Gr. B7           |
|                   | 16 | Gland Nuts           | ASTM A194 Gr. 2H           |
|                   | 17 | Yoke Studs           | ASTM A193 Gr. B7           |
|                   | 18 | Yoke Nuts            | ASTM A194 Gr. 2H           |
|                   | 19 | Yoke                 | ASTM A216 Gr. WCB          |
|                   | 20 | Wormgear             | Assembly set               |
|                   | 21 | Handwheel            | ASTM A216 Gr. WCB          |

# Butterfly valve - DN500-1000, PN25

## Type 65124

### Wafer type with BROEN-Gear

Butterfly ventil.

### Materials

See next page.

### Applications

Isolating valve for heating systems, district heating, cooling and industrial purpose.

### Media

Water, air and other media not decomposing the steel. If in doubt, please contact BROEN BALLOMAX® Sales Department.

### Surface treatment

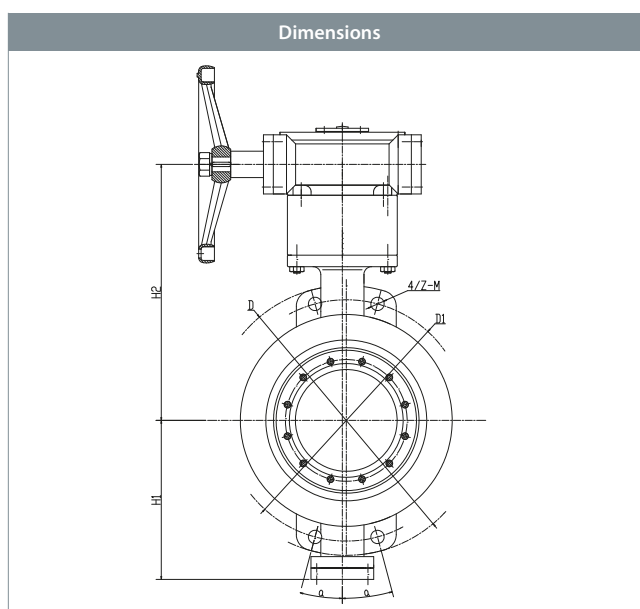
Eco-friendly protection finish against corrosion.

### Operation

BROEN-Gear.

### Approvals and certificates

BROEN is certified according to ISO 9001 and environmentally certified according to ISO 14001. BROEN BALLOMAX® is approved according to the requirements of Pressure Equipment Directive (PED). The 3.1 certificate is available upon request.



| DN   | BROEN No.       | Bore | Kvs   | net Weight kg | All dimensions in mm |      |      |     |     |     | ISO |
|------|-----------------|------|-------|---------------|----------------------|------|------|-----|-----|-----|-----|
|      |                 |      |       |               | D                    | D1   | D2   | L   | H1  | H2  |     |
| 500  | 6512425500GBPSS | 500  | 10320 | 295           | 730                  | 660  | 615  | 152 | 375 | 635 | F25 |
| 600  | 6512425600GBPSS | 600  | 16012 | 395           | 845                  | 770  | 720  | 178 | 430 | 685 | F30 |
| 700  | 6512425700GBPSS | 700  | 25235 | 470           | 960                  | 875  | 820  | 229 | 540 | 735 | F30 |
| 800  | 6512425800GBPSS | 800  | 31771 | 710           | 1085                 | 990  | 930  | 241 | 710 | 850 | F35 |
| 900  | 6512425900GBPSS | 900  | 37594 | 840           | 1185                 | 1090 | 1030 | 241 | 650 | 890 | F35 |
| 1000 | 6512425001GBPSS | 1000 | 54201 | 1200          | 1320                 | 1210 | 1140 | 300 | 720 | 920 | F40 |

# Butterfly valve - DN500-1000, PN25

Type 65124



| Technical drawing |    | Material description |                            |
|-------------------|----|----------------------|----------------------------|
|                   | 1  | Bottom Cover         | ASTM A216 Gr. WCB          |
|                   | 2  | Screws               | ASTM A193 Gr. B7           |
|                   | 3  | Gasket               | 304 + Graphite             |
|                   | 4  | Thrust ring          | ASTM A29 Gr. 1035          |
|                   | 5  | Valve body           | ASTM A216 Gr. WCB          |
|                   | 6  | Disc seat            | 304 + Graphite             |
|                   | 7  | Retaining ring       | ASTM A105                  |
|                   | 8  | Disc                 | ASTM216 Gr. WCB            |
|                   | 9  | Stem                 | ASTM A564 Gr. 630 (17-4PH) |
|                   | 10 | Taper pin            | ASTM A276 Gr. 410          |
|                   | 11 | Screws               | ASTM A193 Gr. B7           |
|                   | 12 | Body seat            | D507Mo (surfacing)         |
|                   | 13 | Bushing              | SF-1                       |
|                   | 14 | Packing              | Graphite                   |
|                   | 15 | Gland                | ASTM A216 Gr. WCB          |
|                   | 16 | Gland Studs          | ASTM A193 Gr. B7           |
|                   | 17 | Gland Nuts           | ASTM A194 Gr. 2H           |
|                   | 18 | Yoke Studs           | ASTM A193 Gr. B7           |
|                   | 19 | Yoke Nuts            | ASTM A194 Gr. 2H           |
|                   | 20 | Yoke                 | ASTM A216 Gr. WCB          |
|                   | 21 | Wormgear             | Assembly set               |
|                   | 22 | Handwheel            | ASTM A216 Gr. WCB          |

