



## ECON® Butterfly valve Type: 5830 Ductile cast iron/Stainless steel Bare stem Lug type



### Characteristics

**Type:** 5830

**Norm:** EN (DIN)

**Valve design:** Centric

**Housing material:** Ductile cast iron

**Material quality:** EN-JS1030

**Surface protection:** Paint min. 60 µm

**Connection:** Lug type

**Standard connection:** EN (DIN)/ ASME

### Characteristics [2]

**Face to Face norm:** EN 558, Series 20

**Operation:** Bare stem

**Top flange standard:** ISO 5211 Direct Mount

**Housing lining:** Vulcanized

**Disk material:** Stainless steel

**Quality class disc:** 1.4408

| DN<br>[mm] | A<br>mm | E<br>mm | F<br>mm | H<br>mm | H1<br>mm | K<br>mm | L<br>mm | nxO<br>mm | P<br>mm | N<br>ISO 5211 | Weight<br>[kg] | Kvs-value<br>m3/h |
|------------|---------|---------|---------|---------|----------|---------|---------|-----------|---------|---------------|----------------|-------------------|
| 50         | 165     | 11      | 25      | 118     | 67       | 90      | 43      | 4x9       | 12      | F07           | 4              | 70                |
| 65         | 185     | 11      | 25      | 126     | 74       | 90      | 46      | 4x9       | 12      | F07           | 5              | 220               |
| 80         | 200     | 11      | 25      | 133     | 82       | 90      | 46      | 4x9       | 14      | F07           | 6              | 351               |
| 100        | 228     | 11      | 25      | 147     | 100      | 90      | 52      | 4x9       | 14      | F07           | 9              | 610               |
| 125        | 254     | 14      | 28      | 160     | 112      | 90      | 56      | 4x9       | 14      | F07           | 11             | 1078              |
| 150        | 285     | 14      | 28      | 180     | 134      | 90      | 56      | 4x9       | 14      | F07           | 13             | 1552              |
| 200        | 340     | 17      | 28      | 204     | 159      | 90      | 60      | 4x9       | 14      | F07           | 19             | 2759              |
| 250        | 405     | 22      | 30      | 245     | 195      | 125     | 68      | 4x11      | 15      | F10           | 30             | 4310              |
| 300        | 472     | 22      | 30      | 270     | 220      | 125     | 78      | 4x11      | 15      | F10           | 46             | 6207              |
| 350        | 520     | 27      | 29      | 315     | 282      | 150     | 78      | 4x14      | 20      | F12           | 58             | 11545             |
| 400        | 597     | 27      | 29      | 350     | 307      | 150     | 102     | 4x14      | 20      | F12           | 97             | 13520             |
| 450        | 640     | 36      | 38      | 375     | 352      | 175     | 114     | 4x18      | 20      | F14           | 105            | 15838             |
| 500        | 710     | 36      | 38      | 415     | 387      | 175     | 127     | 4x18      | 20      | F14           | 130            | 24522             |
| 600        | 780     | 46      | 48      | 465     | 452      | 210     | 154     | 4x22      | 25      | F16           | 205            | 34230             |

| Size        | Lining      | Press. rating | Temperature range                | Max. oper. pressure<br>[bar] |
|-------------|-------------|---------------|----------------------------------|------------------------------|
| DN50-DN150  | NBR or EPDM | PN16          | NBR -10°/+80°C, EPDM -10°/+120°C | 16                           |
| DN200-DN600 | NBR or EPDM | PN10          | NBR -10°/+80°C, EPDM -10°/+120°C | 10                           |

| Nominal inner diameter | Pressure rating | Pressure rating flange | Face to Face length<br>mm | Material liner | Spindle material | Quality class spindle | Minimum medium temperature<br>[continuous]<br>°C | Maximum medium temperature<br>[continuous]<br>°C | Article  |
|------------------------|-----------------|------------------------|---------------------------|----------------|------------------|-----------------------|--------------------------------------------------|--------------------------------------------------|----------|
| DN40                   | PN16            | PN10/16                | 33                        | EPDM           | Stainless steel  | 1.4122                | -10                                              | 120                                              | 13418550 |

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| Nominal inner diameter | Pressure rating | Pressure rating flange | Face to Face length | Material liner | Spindle material | Quality class spindle | Minimum medium temperature (continuous) | Maximum medium temperature (continuous) | Article  |
|------------------------|-----------------|------------------------|---------------------|----------------|------------------|-----------------------|-----------------------------------------|-----------------------------------------|----------|
|                        |                 |                        | mm                  |                |                  |                       | °C                                      | °C                                      |          |
| DN50                   | PN16            | PN10/16                | 43                  | EPDM           | Stainless steel  | 1.4122                | -10                                     | 120                                     | 12745880 |
| DN65                   | PN16            | PN10/16                | 46                  | EPDM           | Stainless steel  | 1.4122                | -10                                     | 120                                     | 12745881 |
| DN80                   | PN16            | PN10/16                | 46                  | EPDM           | Stainless steel  | 1.4122                | -10                                     | 120                                     | 12745882 |
| DN100                  | PN16            | PN10                   | 52                  | EPDM           | Stainless steel  | 1.4122                | -10                                     | 120                                     | 12745883 |
| DN125                  | PN16            | PN10                   | 56                  | EPDM           | Stainless steel  | 1.4122                | -10                                     | 120                                     | 12745884 |
| DN150                  | PN16            | PN10                   | 56                  | EPDM           | Stainless steel  | 1.4122                | -10                                     | 120                                     | 12745885 |
| DN200                  | PN10            | PN10                   | 60                  | EPDM           | Stainless steel  | 1.4122                | -10                                     | 120                                     | 12745886 |
| DN250                  | PN10            | PN10                   | 68                  | EPDM           | Stainless steel  | 1.4122                | -10                                     | 120                                     | 12669272 |
| DN250                  | PN10            | PN10                   | 68                  | NBR            | Stainless steel  | 1.4122                | -10                                     | 80                                      | 13418557 |
| DN250                  | PN16            | PN10                   | 68                  | NBR            | Stainless steel  | 1.4122                | -10                                     | 80                                      | 13418549 |
| DN300                  | PN10            | PN10                   | 78                  | EPDM           | Stainless steel  | 1.4122                | -10                                     | 120                                     | 13418551 |
| DN300                  | PN10            | PN10                   | 78                  | NBR            | Stainless steel  | 1.4122                | -10                                     | 80                                      | 13418558 |

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