

## ECON® Check valve Type: 505 Bronze Internal thread (BSPP) PN16



### Characteristics

**Type:** 505

**Norm:** EN (DIN)

**Construction type:** Straight

**Housing material:** Bronze

**Material quality:** CC491K (RG5)

**Connection:** Internal thread (BSPP)

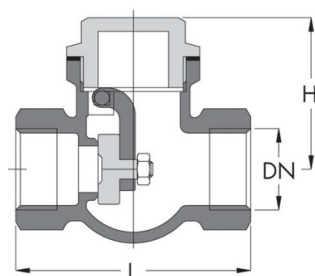
**Face to Face norm:** Manufacturer standard

**Minimum medium temperature (continuous):** -10 °C

**Maximum pressure difference at 20 °C:** 16 bar

### Application

- Recommended in: Machine Construction



| DN  | L   | H   | Kv-value | Min. Opening press. horizontal | Weight |
|-----|-----|-----|----------|--------------------------------|--------|
| ["] | mm  | mm  |          | [bar]                          | [kg]   |
| ?   | 60  | 39  | 2        | ~0                             | 0,3    |
| ½   | 60  | 40  | 4        | ~0                             | 0,4    |
| ¾   | 70  | 49  | 7        | ~0                             | 0,5    |
| 1   | 80  | 57  | 10       | ~0                             | 0,8    |
| 1 ¼ | 95  | 59  | 18       | ~0                             | 1,1    |
| 1 ½ | 105 | 68  | 29       | ~0                             | 1,5    |
| 2   | 129 | 76  | 46       | ~0                             | 2,1    |
| 2 ½ | 160 | 94  | 82       | ~0                             | 4,6    |
| 3   | 184 | 118 |          | ~0                             | 6,9    |

| Figure nr. | Press- and temperature range |                |
|------------|------------------------------|----------------|
| Fig. 505BR | 16 bar - 120°C               | 12 bar - 200°C |
| Fig. 505TE | 16 bar - 120°C               | 10 bar - 185°C |

| Nominal inner diameter | Pressure rating | Face to Face length | Valve shape | Sealing | Material disc | Material cover | Material cover gasket | Material jointed arm | Maximum medium temperature (continuous) | Article  |
|------------------------|-----------------|---------------------|-------------|---------|---------------|----------------|-----------------------|----------------------|-----------------------------------------|----------|
|                        |                 | mm                  |             |         |               |                |                       |                      | °C                                      |          |
| 3/8" [10]              | PN16            | 60                  | Swing type  | Brass   | Brass         | Brass          | Fiber Gasket          | Brass                | 200                                     | 11811338 |
| 3/8" [10]              | PN16            | 60                  | Swing type  | PTFE    | Brass         | Brass          | Fiber Gasket          | Brass                | 180                                     | 11811339 |
| 1/2" [15]              | PN16            | 60                  | Swing type  | Brass   | Brass         | Brass          | Fiber Gasket          | Brass                | 200                                     | 11811334 |
| 1/2" [15]              | PN16            | 60                  | Swing type  | PTFE    | Brass         | Brass          | Fiber Gasket          | Brass                | 180                                     | 11811335 |
| 3/4" [20]              | PN16            | 70                  | Swing type  | Brass   | Brass         | Brass          | Fiber Gasket          | Brass                | 200                                     | 11811336 |
| 3/4" [20]              | PN16            | 70                  | Swing type  | PTFE    | Brass         | Brass          | Fiber Gasket          | Brass                | 180                                     | 11811337 |
| 1" [25]                | PN16            | 80                  | Swing type  | Brass   | Brass         | Brass          | Fiber Gasket          | Brass                | 200                                     | 11811330 |
| 1" [25]                | PN16            | 80                  | Swing type  | PTFE    | Brass         | Brass          | Fiber Gasket          | Brass                | 180                                     | 11811331 |
| 1.1/4" [32]            | PN16            | 95                  | Swing type  | Brass   | Brass         | Brass          | Fiber Gasket          | Brass                | 200                                     | 11811342 |

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| Nominal inner diameter | Pressure rating | Face to Face length | Valve shape | Sealing | Material disc | Material cover | Material cover gasket | Material jointed arm | Maximum medium temperature (continuous) | Article  |
|------------------------|-----------------|---------------------|-------------|---------|---------------|----------------|-----------------------|----------------------|-----------------------------------------|----------|
|                        |                 | mm                  |             |         |               |                |                       |                      | °C                                      |          |
| 1.1/4" [32]            | PN16            | 95                  | Swing type  | PTFE    | Brass         | Brass          | Fiber Gasket          | Brass                | 180                                     | 11811343 |
| 1.1/2" [40]            | PN16            | 105                 | Swing type  | Brass   | Brass         | Brass          | Fiber Gasket          | Brass                | 200                                     | 11811340 |
| 1.1/2" [40]            | PN16            | 105                 | Swing type  | PTFE    | Brass         | Brass          | Fiber Gasket          | Brass                | 180                                     | 11811341 |
| 2" [50]                | PN16            | 130                 | Swing type  | Brass   | Brass         | Brass          | Fiber Gasket          | Brass                | 200                                     | 11811332 |
| 2" [50]                | PN16            | 130                 | Swing type  | PTFE    | Brass         | Brass          | Fiber Gasket          | Brass                | 180                                     | 11811333 |
| 2.1/2" [65]            | PN16            | 160                 | Swing type  | Bronze  | CC491K [RG5]  | CC491K [RG5]   | Fiber Gasket          | CC491K [RG5]         | 200                                     | 11811344 |
| 2.1/2" [65]            | PN16            | 160                 | Swing type  | PTFE    | CC491K [RG5]  | CC491K [RG5]   | Fiber Gasket          | CC491K [RG5]         | 180                                     | 11811345 |
| 3" [80]                | PN16            | 184                 | Swing type  | Bronze  | CC491K [RG5]  | CC491K [RG5]   | Fiber Gasket          | CC491K [RG5]         | 200                                     | 11811347 |
| 3" [80]                | PN16            | 184                 | Swing type  | PTFE    | CC491K [RG5]  | CC491K [RG5]   | Fiber Gasket          | CC491K [RG5]         | 180                                     | 11811346 |

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