

## 1065 Gate valve (2 x female thread)



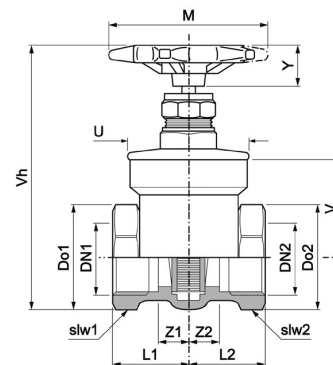
### specification

- all sizes rated PN16
- non-rising stem
- "O" ring gland packing seal
- ½" to 2" sizes
- solid wedge
- forged brass body
- ISO7-1Rc taper thread
- ANSI (NPT) American taper thread (AT)
- BS2779 parallel thread (PT)

| DN   | Connection | ISO7-1 Rc (taper) | ANSI (NTP) (taper) | ISO 288 (PT) | Total (kg) | Cv    | Kv    |
|------|------------|-------------------|--------------------|--------------|------------|-------|-------|
| DN15 | ½"         | 202007            | 202042             | 202052       | 0.27       | 16.4  | 14.0  |
| DN20 | ¾"         | 202008            | 202043             | 202053       | 0.37       | 37.4  | 32.0  |
| DN25 | 1"         | 202009            | 202044             | 202054       | 0.58       | 66.7  | 57.0  |
| DN32 | 1 ¼"       | 202010            | 202045             | 202055       | 0.94       | 105.3 | 105.3 |
| DN40 | 1 ½"       | 202011            | 202046             | 202056       | 1.19       | 150.9 | 150.9 |
| DN50 | 2"         | 202012            | 202047             | 202057       | 2.09       | 269.1 | 269.1 |

\*Cv - flow rate in US GPM at a pressure drop of 1 psi.

\*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.



### Dimensions (mm)

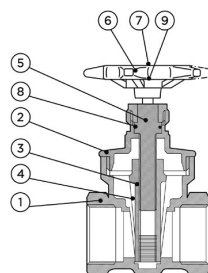
|      | Do1/Do2 | DN1/DN2 | L1/L2 | M    | slw1 | slw2 | slw3 | U    | V    | Vh    | Y    | Z1/Z2 |
|------|---------|---------|-------|------|------|------|------|------|------|-------|------|-------|
| DN15 | 31.0    | ½"      | 23.0  | 55.0 | 31.0 | 20.0 | 31.0 | 26.0 | 29.0 | 86.0  | 15.0 | 14.0  |
| DN20 | 38.0    | ¾"      | 24.0  | 55.0 | 38.0 | 20.0 | 38.0 | 33.0 | 34.0 | 99.0  | 16.0 | 14.0  |
| DN25 | 46.0    | 1"      | 29.0  | 64.0 | 46.0 | 21.0 | 46.0 | 41.0 | 41.0 | 118.0 | 19.0 | 18.0  |
| DN32 | 59.0    | 1 ¼"    | 32.0  | 77.0 | 59.0 | 26.0 | 59.0 | 49.0 | 57.0 | 144.0 | 19.0 | 19.0  |
| DN40 | 65.0    | 1 ½"    | 35.0  | 86.0 | 65.0 | 26.0 | 65.0 | 55.0 | 65.0 | 158.0 | 20.0 | 21.0  |
| DN50 | 80.0    | 2"      | 43.0  | 95.0 | 80.0 | 31.0 | 80.0 | 67.0 | 88.0 | 195.0 | 25.0 | 22.0  |

### Material specification

| Nr | Component     | Material                                          |
|----|---------------|---------------------------------------------------|
| 1  | Body          | Forged brass (½" to 2")                           |
| 2  | Bonnet        | Forged brass (½" to 2")                           |
| 3  | Stem          | Brass bar                                         |
| 4  | Wedge         | Forged brass (½" to 2)                            |
| 5  | Gland nut     | Brass bar (½" to 1")<br>Forged brass (1 ¼" to 2") |
| 6  | Handwheel     | Aluminium                                         |
| 7  | Handwheel nut | Brass bar                                         |
| 8  | "O" ring      | FPM                                               |
| 9  | Rating disc   | Aluminium                                         |

### Maximum pressure conditions

| Size     | Max Pressure (bar) | Min/Max Temperature (°C) | Test Pressure Shell (bar) | Test Pressure Seat (bar) | Max Pressure (psi) | Min/Max Temperature (°F) | Test Pressure Shell (psi) | Test Pressure Seat (psi) |
|----------|--------------------|--------------------------|---------------------------|--------------------------|--------------------|--------------------------|---------------------------|--------------------------|
| ¼" to 2" | 17.5               | - 10°C + 93°C            | 26.3                      | 19.3                     | 253.8              | 14°F + 199.4°F           | 381.5                     | 279.5                    |



### Pressure equipment directive category

All sizes classified SEP

### Pressure & temperature ratings

