

## Gate valve made of brass Series C50

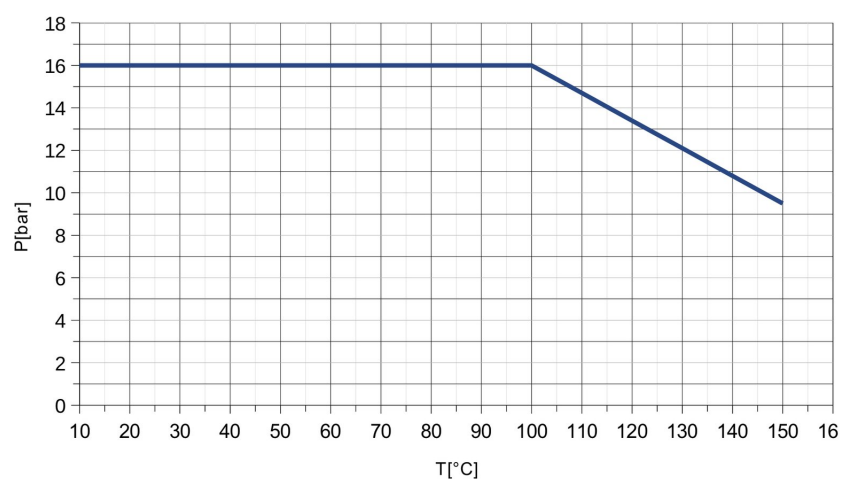


|                    |                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------|
| Design type        | Gate valve in straight-through design with packing gland packing, metallic sealing, non-rising stem |
| Actuation          | by handwheel made of aluminium                                                                      |
| Connection         | G1/2"...G2" according to ISO228/1                                                                   |
| Materials          | Body and spindle brass CW617N, Spindle seal Graphite, Aluminium handwheel                           |
| Medium temperature | -10...+150°C                                                                                        |
| Operating pressure | Nominal pressure according to table and pressure-temperature diagram                                |
| Mounting type      | Installation in rigid piping system                                                                 |
| Mounting position  | any                                                                                                 |
| Application range  | Gases and liquids according to table "Fluid groups" that do not attack the materials used           |

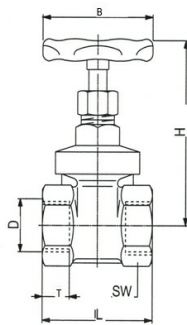
### Permissible fluid groups according to the Pressure Equipment Directive 2014/68/EU

| Anschluss   | Gases Group 1 | Gases Group 2 | Liquids Group 1 | Liquids Group 2 |
|-------------|---------------|---------------|-----------------|-----------------|
| G1/2"...G2" | -             | X             | X               | X               |

### Pressure-temperature diagram



# Dimensions



| Connection D | Nominal size DN[mm] | PN [bar] up to 100°C | B  | H   | L  | SW | T    | Kv value [m³/h] | Weight [approx. kg] | Type       |
|--------------|---------------------|----------------------|----|-----|----|----|------|-----------------|---------------------|------------|
| G1/2"        | 13                  | 16                   | 50 | 79  | 42 | 25 | 11,5 | 12              | 0,22                | C50-1/2"   |
| G3/4"        | 16                  | 16                   | 55 | 83  | 46 | 31 | 12   | 29              | 0,36                | C50-3/4"   |
| G1"          | 23                  | 16                   | 60 | 96  | 50 | 37 | 14   | 51              | 0,36                | C50-1"     |
| G1 1/4"      | 28                  | 16                   | 65 | 103 | 55 | 47 | 16   | 68              | 0,50                | C50-1 1/4" |
| G1 1/2"      | 33                  | 16                   | 65 | 116 | 60 | 54 | 17   | 138             | 0,69                | C50-1 1/2" |
| G2"          | 45                  | 16                   | 80 | 139 | 67 | 68 | 18   | 222             | 1,10                | C50-2"     |

Illustrations non-binding  
 Design, dimensional and material changes reserved

[Armatures](#) / [Valves, butterfly valves and gate valves - manually operated](#) / [Globe and gate valves](#) / [Knife gate valve Series C50](#)