

# GEMÜ 607

Manually operated diaphragm valve

EN

## Operating instructions



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## 1 Order data

The order data provide an overview of standard configurations.

Please check the availability before ordering. Other configurations available on request.

### Order codes

| 1 Type                                                | Code |
|-------------------------------------------------------|------|
| Diaphragm valve, manually operated, plastic handwheel | 607  |
| 2 DN                                                  | Code |
| DN 10                                                 | 10   |
| 3 Body configuration                                  | Code |
| Angle valve body                                      | E    |
| 4 Connection type                                     | Code |
| Spigot DIN                                            | 0    |

| 5 Valve body material | Code |
|-----------------------|------|
| PVC-U, grey           | 1    |
| PVDF                  | 20   |
| PP-H, grey            | G5   |
| 6 Diaphragm material  | Code |
| EPDM                  | 3A   |
| FKM                   | 4A   |
| PTFE/EPDM one-piece   | 54   |
| 7 Control function    | Code |
| Manually operated     | 0    |

### Order example

| Ordering option       | Code | Description                                           |
|-----------------------|------|-------------------------------------------------------|
| 1 Type                | 607  | Diaphragm valve, manually operated, plastic handwheel |
| 2 DN                  | 10   | DN 10                                                 |
| 3 Body configuration  | E    | Angle valve body                                      |
| 4 Connection type     | 0    | Spigot DIN                                            |
| 5 Valve body material | 1    | PVC-U, grey                                           |
| 6 Diaphragm material  | 3A   | EPDM                                                  |
| 7 Control function    | 0    | Manually operated                                     |

## 2 Technical data

### 2.1 Medium

**Working medium:** Corrosive, inert, gaseous and liquid media which have no negative impact on the physical and chemical properties of the body and diaphragm material.

### 2.2 Temperature

**Media temperature:**

| PVC-U, grey | PP, reinforced | PVDF         |
|-------------|----------------|--------------|
| Code 1      | Code 5         | Code 20      |
| 10 to 60 °C | 5 to 80 °C     | -10 to 80 °C |

**Ambient temperature:**

| PVC-U, grey | PP, reinforced | PVDF         |
|-------------|----------------|--------------|
| Code 1      | Code 5         | Code 20      |
| 10 to 50 °C | 5 to 50 °C     | -10 to 50 °C |

**Storage temperature:** 10 – 25 °C

### 2.3 Pressure

**Operating pressure:** 0 – 10 bar

**Pressure/temperature correlation:**

| Valve body material |           | Temperature in °C (valve body) |      |      |      |      |      |     |     |     |     |     |     |
|---------------------|-----------|--------------------------------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| Materials           | Code      | -10                            | ±0   | 5    | 10   | 20   | 25   | 30  | 40  | 50  | 60  | 70  | 80  |
| <b>PVC-U</b>        | <b>1</b>  | -                              | -    | -    | 10,0 | 10,0 | 10,0 | 8,0 | 6,0 | 3,5 | 1,5 | -   | -   |
| <b>PP</b>           | <b>5</b>  | -                              | -    | 10,0 | 10,0 | 10,0 | 10,0 | 8,5 | 7,0 | 5,5 | 4,0 | 2,7 | 1,5 |
| <b>PVDF</b>         | <b>20</b> | 10,0                           | 10,0 | 10,0 | 10,0 | 10,0 | 10,0 | 9,0 | 8,0 | 7,1 | 6,3 | 5,4 | 4,7 |

Data for extended temperature ranges on request. Please note that the ambient temperature and media temperature generate a combined temperature at the valve body which must not exceed the above values.

Permissible operating pressure in bar

### 2.4 Mechanical data

**Flow direction:** Optional

**Installation position:** Optional

**Weight:** 0.15 kg





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Subject to alteration

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