

#### Description:

Oventrop metering stations made of brass resistant to dezincification, stainless steel or cast iron.

#### Metering station made of brass resistant to dezincification:

The metering station PN 25 is equipped with two pressure test points. Inlet port female thread, outlet port male thread according to EN 10226. Copper pipes (according to DIN EN 1057) can be connected to the female thread DN 15 and DN 20 by use of the suitable compression fittings "Ofix" (reinforcing sleeves are to be used!).

#### Stainless steel or cast iron metering station:

The metering stations PN 16 or PN 25 are equipped with two extended pressure test points. Wafer type to fit between two flanges PN 16 or PN 25.

#### Technical data:

Max. operating temperature  $t_s$ : 150 °C

Min. operating temperature  $t_s$ : -20 °C

Max. operating pressure  $p_s$ : 16 bar (PN 16)/25 bar (PN 25)

#### Application:

Oventrop metering stations are installed in the pipework of hot water central heating and cooling systems and serve to achieve a hydronic balance between the various circuits of the system.

The metering stations may be installed in either the supply or the return pipe.

They are installed either close-coupled to an Oventrop double regulating and commissioning valve to form a commissioning set or to an Oventrop isolating valve.

The balance is achieved by adjusting and setting the double regulating and commissioning valve whilst measuring the pressure loss across the metering station.

#### Advantages:

- easy operation by use of one single characteristic line of the metering station
- can be installed separately, e.g. as a constant monitoring device
- flow characteristic lines are stored in the flow-meter "OV-DMC 2", item no. 1069177

#### Notes:

We recommend a minimum of 5 diameters of straight valve sized pipe on the inlet port of the metering station with nothing more restrictive between the metering station and the succeeding valve.



Metering station made of brass resistant to dezincification



Metering station made of stainless steel

**Metering station made of brass resistant to dezincification**

**Measuring technique "classic"**

**Inlet port female thread**

**Outlet port male thread according to EN 10226**

**Tender specification:**

Metering station made of brass resistant to dezincification complete with two pressure test points, inlet port female thread, outlet port male thread according to EN 10226.

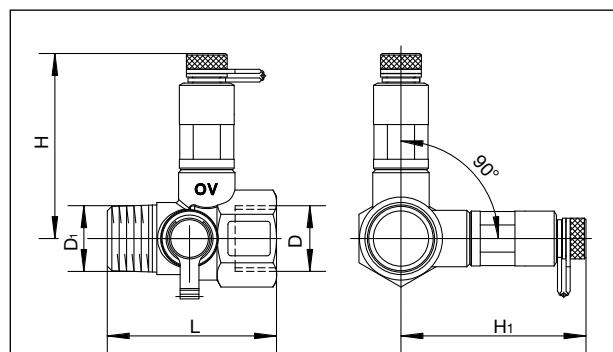
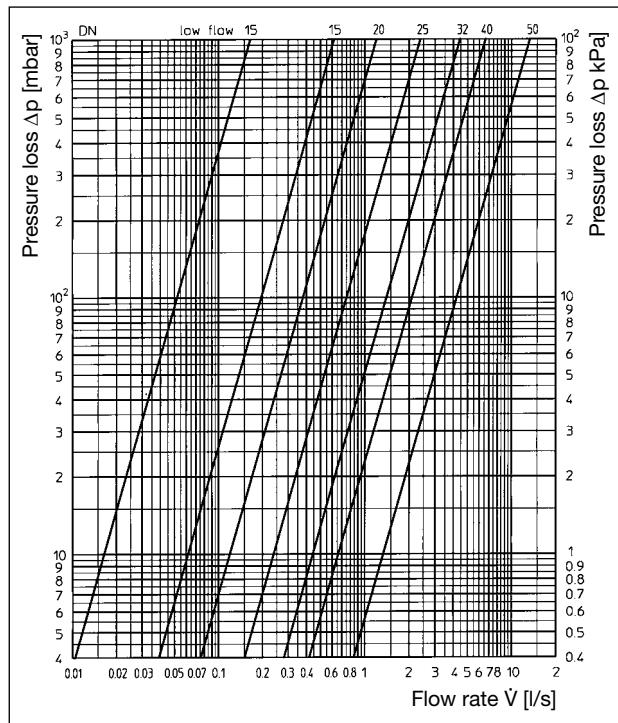
**Technical data:**

Max. operating temperature  $t_s$ : 150 °C

Min. operating temperature  $t_s$ : -20 °C

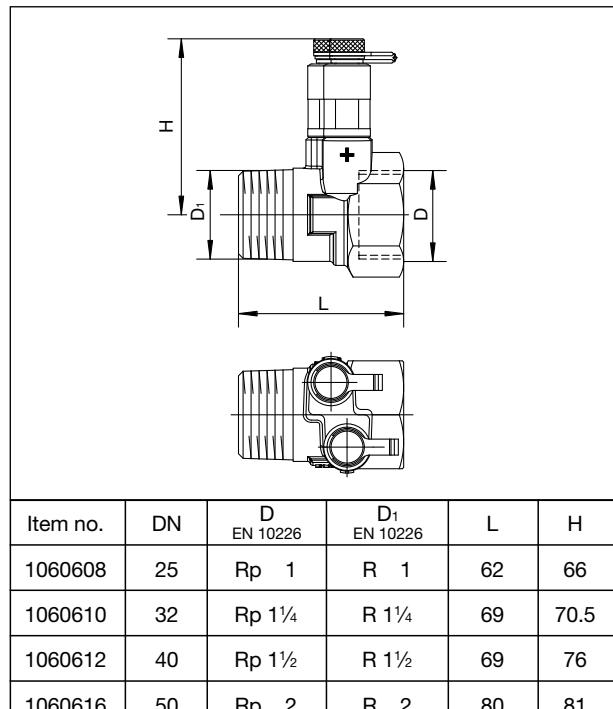
Max. operating pressure  $p_s$ : 25 bar (PN 25)

| Size    | kV    | Item no. |
|---------|-------|----------|
| DN 15LF | 0.55  | 1060644  |
| DN 15MF | 1.20  | 1060634  |
| DN 15   | 2.20  | 1060604  |
| DN 20   | 4.25  | 1060606  |
| DN 25   | 8.60  | 1060608  |
| DN 32   | 15.90 | 1060610  |
| DN 40   | 23.70 | 1060612  |
| DN 50   | 48.00 | 1060616  |



| Item no. | DN    | D<br>EN 10226 | D <sub>1</sub><br>EN 10226 | L  | H  | H1 |
|----------|-------|---------------|----------------------------|----|----|----|
| 1060604  | 15    | Rp 1/2        | R 1/2                      | 54 | 60 | 60 |
| 1060634  | 15 MF | Rp 1/2        | R 1/2                      | 54 | 60 | 60 |
| 1060644  | 15 LF | Rp 1/2        | R 1/2                      | 54 | 60 | 60 |
| 1060606  | 20    | Rp 3/4        | R 3/4                      | 55 | 62 | 62 |

Dimensions metering station DN 15 and DN 20



| Item no. | DN | D<br>EN 10226 | D <sub>1</sub><br>EN 10226 | L  | H    |
|----------|----|---------------|----------------------------|----|------|
| 1060608  | 25 | Rp 1          | R 1                        | 62 | 66   |
| 1060610  | 32 | Rp 1 1/4      | R 1 1/4                    | 69 | 70.5 |
| 1060612  | 40 | Rp 1 1/2      | R 1 1/2                    | 69 | 76   |
| 1060616  | 50 | Rp 2          | R 2                        | 80 | 81   |

Dimensions metering station DN 25 und DN 50

**Metering station made of stainless steel**  
**Measuring technique "classic"**

**Tender specification:**

Metering station made of stainless steel, wafer pattern, for flanges according to DIN EN 1092/PN 16 or PN 25, complete with two pressure test points, to fit between two flanges.

**Technical data:**

Max. operating temperature  $t_s$ : 150 °C

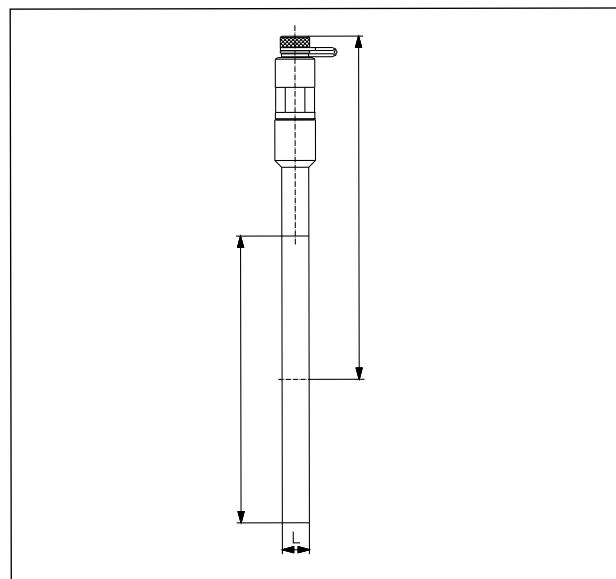
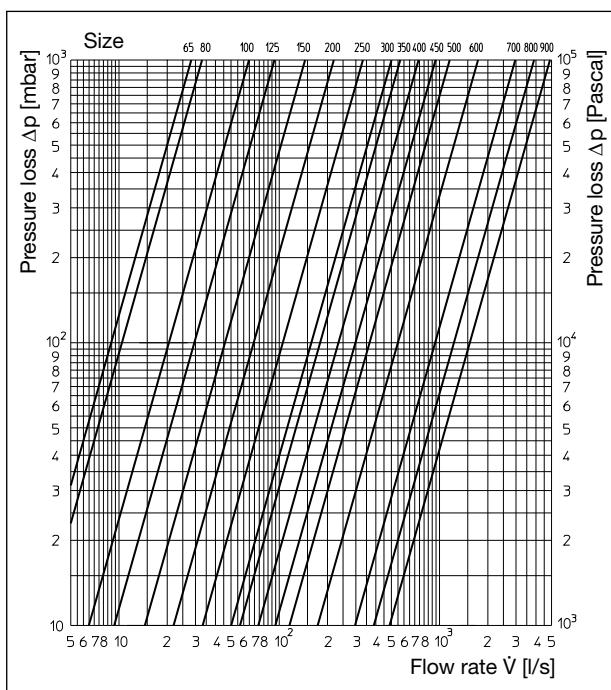
Min. operating temperature  $t_s$ : -20 °C

Max. operating pressure  $p_s$ : 16 bar (PN 16)

Max. operating pressure  $p_s$ : 25 bar (PN 25)

| Size    | kV    | Item no. (PN 16) | Item no. (PN 25) |
|---------|-------|------------------|------------------|
| DN 65   | 102   | 1060751°         |                  |
| DN 80   | 120   | 1060752°         |                  |
| DN 100  | 234   | 1060753          | 1060853          |
| DN 125  | 335   | 1060754          | 1060854          |
| DN 150  | 522   | 1060755          | 1060855          |
| DN 200  | 780   | 1060756          | 1060856          |
| DN 250  | 1197  | 1060757          | 1060857          |
| DN 300  | 1810  | 1060758          | 1060858          |
| DN 350  | 2050  | 1060759          | 1060859          |
| DN 400  | 2650  | 1060760          | 1060860          |
| DN 450  | 3400  | 1060761          | 1060861          |
| DN 500  | 4200  | 1060762          | 1060862          |
| DN 600  | 6250  | 1060763          | 1060863          |
| DN 700  | 10690 | 1060764          |                  |
| DN 800  | 14000 | 1060765          |                  |
| DN 900  | 17577 | 1060766          |                  |
| DN 1000 | 22540 | 1060767          |                  |

° DN 65 and DN 80 also suitable for flanges PN 25



| DN   | D<br>106 07 | D<br>106 08 | L  | H<br>106 07 | H<br>106 08 |
|------|-------------|-------------|----|-------------|-------------|
| 65   | 127         | —           | 12 | 201         | —           |
| 80   | 142         | —           | 12 | 208         | —           |
| 100  | 162         | 168         | 12 | 218         | 221         |
| 125  | 192         | 194         | 12 | 233         | 234         |
| 150  | 218         | 224         | 12 | 246         | 249         |
| 200  | 273         | 284         | 12 | 274         | 279         |
| 250  | 329         | 340         | 12 | 302         | 307         |
| 300  | 384         | 400         | 12 | 330         | 337         |
| 350  | 444         | 457         | 12 | 409         | 416         |
| 400  | 495         | 514         | 12 | 435         | 444         |
| 450  | 555         | 564         | 12 | 465         | 469         |
| 500  | 617         | 624         | 12 | 496         | 500         |
| 600  | 734         | 731         | 12 | 554         | 553         |
| 700  | 804         | —           | 12 | 590         | —           |
| 800  | 911         | —           | 12 | 643         | —           |
| 900  | 1011        | —           | 12 | 693         | —           |
| 1000 | 1128        | —           | 12 | 751         | —           |

Dimensions

**Metering station made of cast iron  
Measuring technique "classic"**

**Tender specification:**

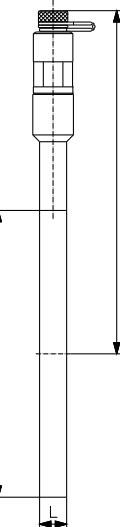
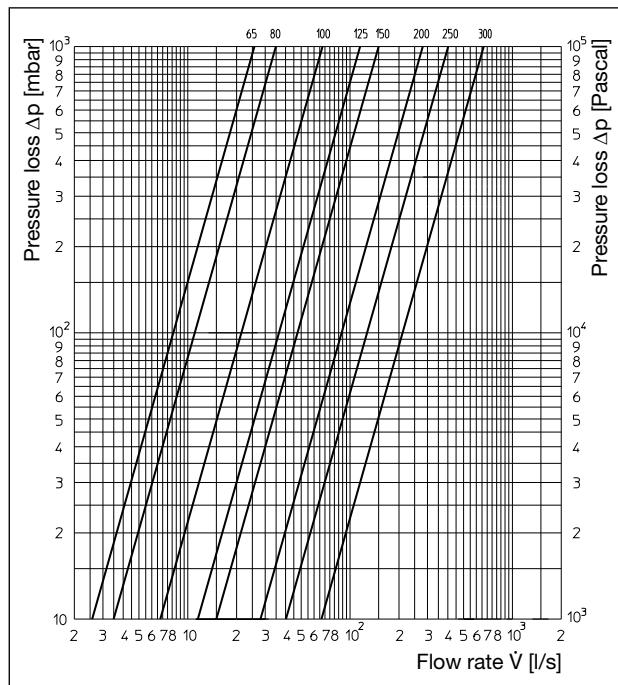
Metering station made of cast iron (EN-GJL-250 DIN EN 1561), wafer pattern, for flanges according to DIN EN 1092/PN 16, complete with two pressure test points, to fit between two flanges.

**Technical data:**

Max. operating temperature  $t_s$ : 120 °C  
Min. operating temperature  $t_s$ : -10 °C  
Max. operating pressure  $p_s$ : 16 bar (PN 16)

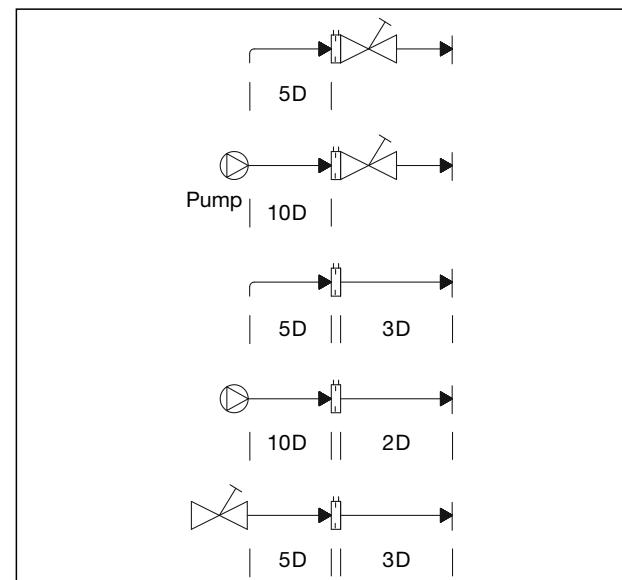
| Size   | kv   | Item no. |
|--------|------|----------|
| DN 65  | 93   | 1060771° |
| DN 80  | 126  | 1060772° |
| DN 100 | 244  | 1060773  |
| DN 125 | 415  | 1060774  |
| DN 150 | 540  | 1060775  |
| DN 200 | 1010 | 1060776  |
| DN 250 | 1450 | 1060777  |
| DN 300 | 2400 | 1060778  |

° DN 65 and DN 80 also suitable for flanges PN 25



| DN  | D   | L  | H   |
|-----|-----|----|-----|
| 65  | 127 | 20 | 127 |
| 80  | 142 | 20 | 134 |
| 100 | 162 | 20 | 144 |
| 125 | 192 | 20 | 159 |
| 150 | 218 | 20 | 172 |
| 200 | 273 | 20 | 200 |
| 250 | 329 | 20 | 228 |
| 300 | 384 | 20 | 255 |

Dimensions



Installation advice

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