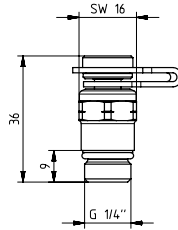


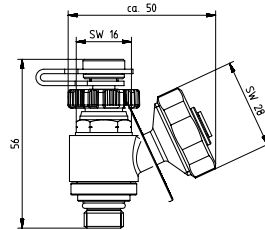
MEASURING VALVES

Data sheet **0284**, Issue 0716

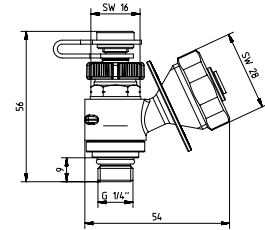
☑ Dimensions in mm



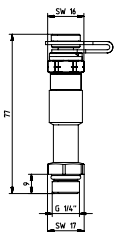
1 **0284** 01
1 **0284** 02
2 **0284** 01
2 **0284** 02



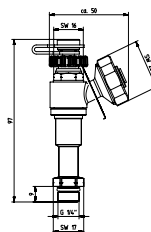
2 **0284** 20
1 **0284** 22
1 **0284** 21



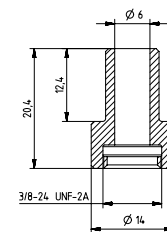
1 **0284** 03
1 **0284** 04



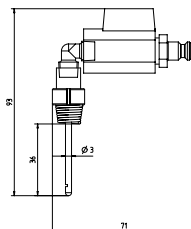
1 **0284** 11
1 **0284** 12



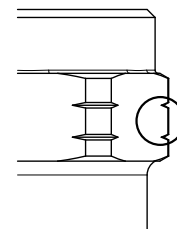
1 **0284** 23
1 **0284** 24



1 **0284** 10



1 **0284** 00



*Marks for drinking water

☑ Models

- | | | |
|------------------|-----|---|
| 1 0284 01 | 1/4 | Test points for HERZ-STRÖMAX-Double regulating valves (manufactured from 2004), DZR brass version, blue marked cap (return), for flow computer. |
| 1 0284 02 | 1/4 | Test points for HERZ-STRÖMAX-Double regulating valves (manufactured from 2004), DZR brass version, red marked cap (flow), for flow computer. |
| 2 0284 01 | 1/4 | Test points for HERZ-STRÖMAX- MW -Double regulating valves, DZR brass version, blue marked cap (return), for flow computer, valves are marked with two notches* (for drinking water). |
| 2 0284 02 | 1/4 | Test points for HERZ-STRÖMAX- MW -Double regulating valves, DZR brass version, red marked cap (flow), for flow computer, valves are marked with two notches* (for drinking water). |
| 1 0284 11 | 1/4 | Test points for HERZ-STRÖMAX-Double regulating valves, DZR brass version, blue marked cap (return), for flow computer, extended model for insulated valves. |
| 1 0284 12 | 1/4 | Test points for HERZ-STRÖMAX-Double regulating valves, DZR brass version, red marked cap (flow), for flow computer, extended model for insulated valves. |
| 2 0284 20 | 1/4 | Test points with draining function, DZR brass version, green marked cap, with swivel hose connection. Test points for flow computer. |
| 1 0284 22 | 1/4 | Test points with draining function, DZR brass version, red marked cap, with swivel hose connection. Test points for flow computer. |
| 1 0284 21 | 1/4 | Test points with draining function, DZR brass version, blue marked cap, with swivel hose connection. Test points for flow computer. |

- 1 **0284 23** 1/4 Extended test points, drain function, blue marked cap.
- 1 **0284 24** 1/4 Extended test points, drain function, red marked cap.
- 1 **0284 03** 1/4 Test points with capillary connection, DZR brass version, blue marked cap (return).
- 1 **0284 04** 1/4 Test points with capillary connection, DZR brass version, red marked cap (flow).
- 1 **0284 00** 1/4 Test point adaptors.
- 1 **0284 10** 1/4 Extension lead for measuring valves, 1 set = 2 pieces.

☑ Operating data 1 0284 xx

Heating- and cooling systems:

Max. operation pressure:	10 bar (20 °C)	Installation position: any position
Min. operation temperature:	2 °C (pure water) -20 °C (with frost protection)	Medium: water
Max. operation temperature:	120 °C (10 bar)	

Usage of frost protection: ethylene and propylene glycol 25 - 50 Vol. [%].
Warranty claims will be rendered void in the event of non-compliance with this requirement.

Materials:

Body:	dezincification resistant brass (CW602N)
Sealings:	EPDM
O-ring sealings:	EPDM

☑ Operating data 2 0284 xx

Drinking water:

Max. operation pressure:	16 bar (20 °C)	Installation position: any position
Min. operation temperature:	2 °C	Medium: water
Max. operation temperature:	85 °C (10 bar)	

Materials:

Body:	dezincification resistant brass (CW626N)
Sealings:	physiologically harmless material (50 EP 123) according to KTW
O-ring sealings:	EPDM

☑ Scope

The measuring valves are used in technical installations with drinking water as well as hot and cold water. They are used for hydraulic balancing in heating or cooling systems, presetting of distribution lines, strings, heat exchangers, heating and cooling coils.

☑ Field of application

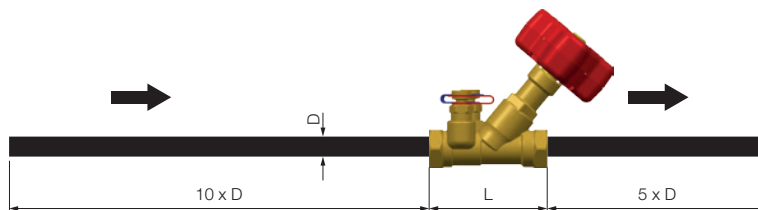
For the measurement of balancing valves. The differential pressure and flow can be measured.
Flow Computer 1 **8904 02** or 1 **8900 04** recommended.

☑ Installation

There is no sealing material needed, because the measuring valves are o-ring sealed. The installation is clockwise, the demounting is counterclockwise. **Maximum torque: 5 Nm.**
Keys for installation: key width 15 or key width 16 (depending on the version).

☑ Measuring

Double regulating valves must always be installed with a minimum of 10 pipe diameters of straight pipe, without intrusion, upstream of the orifice plate. Downstream of the valve a minimum of 5 pipe diameters of straight pipe are required.



A correction factor needs to be considered in installations with frost protection. The water-glycol mixture has a different viscosity than pure water, besides that it depends on the temperature. Therefore, when measurements are done with the flow computer a distorted value is displayed.

Note: All diagrams are indicative in nature and do not claim to be complete. All specifications and statements within this brochure are according to information available at the time of printing and meant for informational purpose only. Herz Armaturen reserves the right to modify and change products as well as its technical specifications and/or its functioning according to technological progress and requirements. It is understood that all images of Herz products are symbolic representations and therefore may visually differ from the actual product. Colours may differ due to printing technology used. In case of any further questions don't hesitate to contact your closest HERZ Branch-office.