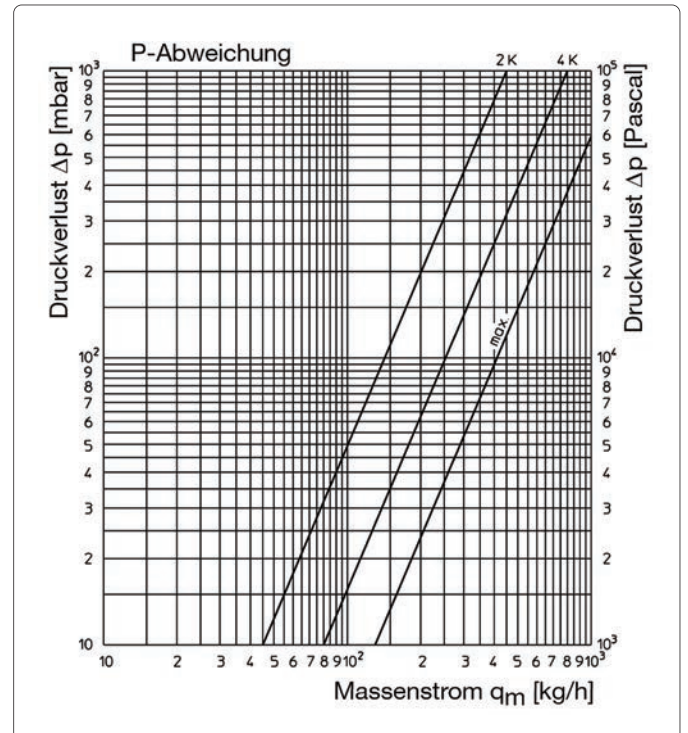


Rücklauf: Return  
RVV-Regeleinheit: RVV regulation unit  
Vorlaufventil Auf - Zu: Flow valve open - closed  
Vorlauf: Flow



Druckverlust  $\Delta p$  [mbar]: Pressure loss  $\Delta p$  [mbar]  
P-Abweichung: Proportional deviation  
Druckverlust  $\Delta p$  [Pascal]: Pressure loss  $\Delta p$  [Pascal]  
Massenstrom  $q_m$  [kg/h]: Mass flow  $q_m$  [kg/h]

**Installation instructions**

Only use the RVV regulation unit to retrofit older buildings. The RVV regulation unit installs in the return of the heating circuit of the underfloor heating system. Install a shut-off before the manifold. The heating and mixer characteristics must be set properly. A circulation pump must ensure the distributor is continuously heated.

Unregulated circulation pumps must be equipped with overflow valve or a speed-regulated pump must be used. When using the RVV regulation unit in old equipment, be sure to flush the heating system well before installing the controllers.

When installing RVV regulation unit in flush-mounted manifold cabinet and the walls are only 11.5 cm thick, please remember the total depth will not suffice with normal installation. Therefore the flow and return manifold stems will need to be reversed. The return will be farther back at the top, and the flow at the bottom, thus in front of the return pipes.

**Controller information**

1. The RVV regulation unit is set according to the heating load calculation, e.g. at a room temperature of 20 °C and the lowest outside temperature the maximum return temperature is 35 °C.
2. Set the RVV regulation unit to 35 °C.
3. The room temperature will adjust based on other parameters.
4. To reduce the room temperature, close the RVV regulation unit (to the right), e.g. to 30 °C.
5. So raise the room temperature, open the RVV regulation unit (to the left), e.g. to 40 °C.
6. The room temperature will only change after a few hours due to the thermal energy in the screed.
7. Set at normal temperatures in the room. Avoid direct sunlight has on the screed or other external heat. If necessary, adjust again. No additional adjustments are necessary.
8. To completely close the underfloor heating circuit, this must be done at the flow valve, as the RVV regulation unit always has a low flow rate.

