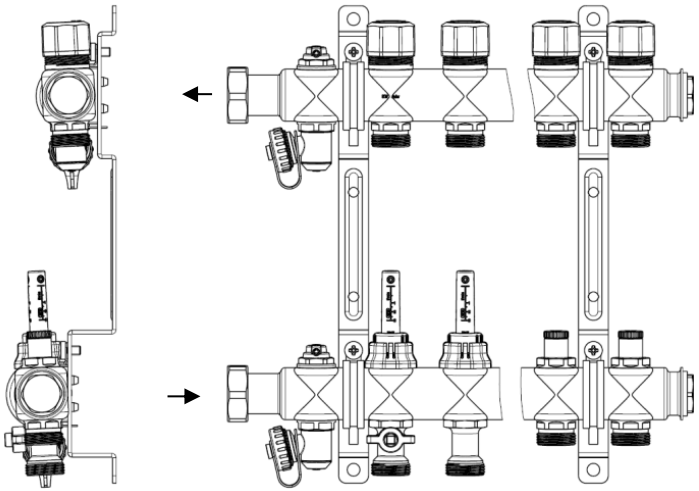
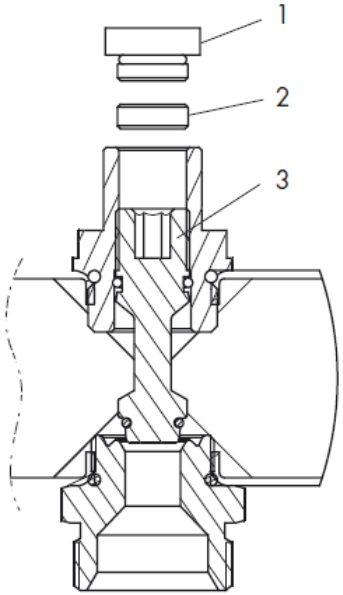
Description of the heating manifold



circuits	2	3	4	5	6	7	8	9	10	11	12
length mm	192	242	292	342	392	442	492	542	592	642	692

- Stainless steel manifold DN32 standrad profile with flat-sealing connection, 1" union nut.
- Manifold acc. to DIN EN 1264-4
- Heating circuit connection G ¾ external thred with internal cone acc. DIN EN 16313, suitable for clamp fittings
- Regulating valves or flow rate indicators 0-3 l/min for hydraulic balancing
- Heating cicuit spacing 50 mm
- Filling and venting tap and manual vent valve G ½
- Hand vent G ½
- Wall bracket with sound insulation and screw pack
- The installation position can be selected at will.

Operating instructions regulating valve



(1) sealing plug
(2) adjustment disc
(3) valve spindle

- Remove the sealing plug (1) using a 5 mm hex key.
- Turn the adjusting disc (2) counterclockwise with a 6 mm hex key until it is fully open.
- Close the valve spindle (3) clockwise with a 5 mm hex key until it stops.
- Open the valve spindle (3) counterclockwise using a 5 mm hex key according to the determined number of spindle revolutions (the pressure loss difference and mass flow rate give this value in the pressure loss diagram).
- Close the adjustment disc (2) clockwise using a 6 mm hex key until the disc hits the valve spindle.

The setting value is now permanently set—even if the valve spindle is closed and opened again.

- Close the sealing plug (1) with a 5 mm hex key.

Operating instructions flow rate indicator 0 – 3 l/min

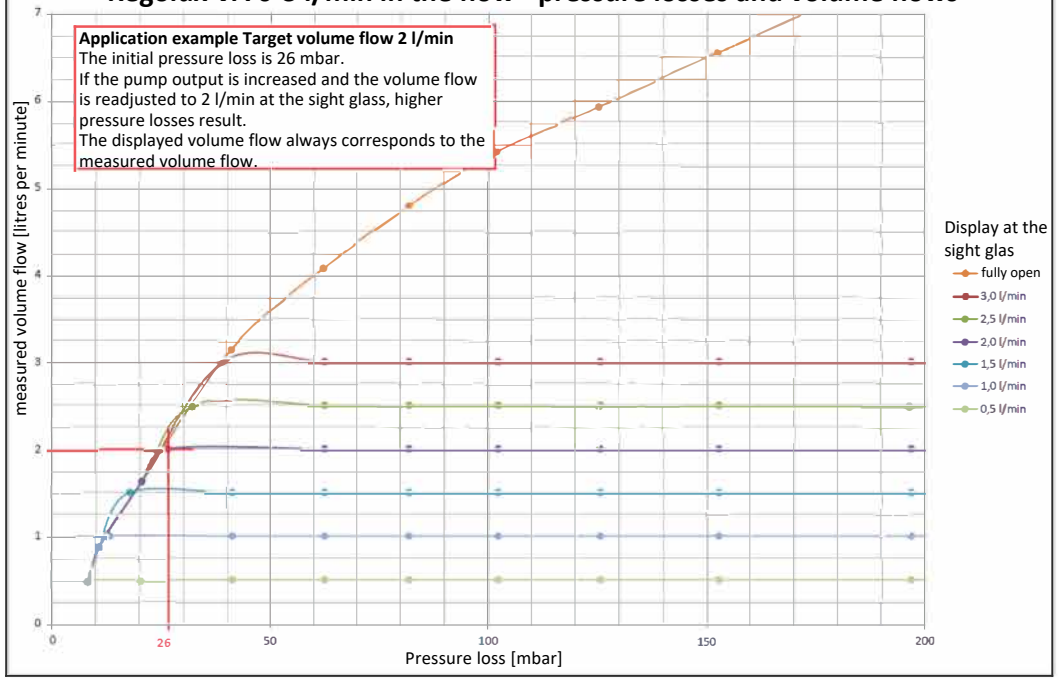
Hydraulic balancing is performed with the circulation pump running and the thermostatic valves open. After adjusting all heating circuits, the settings of the first heating circuits must be checked again and readjusted if necessary.
The "memory" function prevents the preset hydraulic values from being changed when closing and opening the heating circuits.

Flow setting:
1. Pull the red cap upwards.
2. Loosen the black union nut (counterclockwise)
3. Use the wrench provided to set the calculated flow rate in l/min on the sight glass
   → Clockwise = reduce flow rate
   → Counterclockwise = increase flow rate
4. Turn the black union nut until it stops (clockwise)
5. Replace the red cap and press down

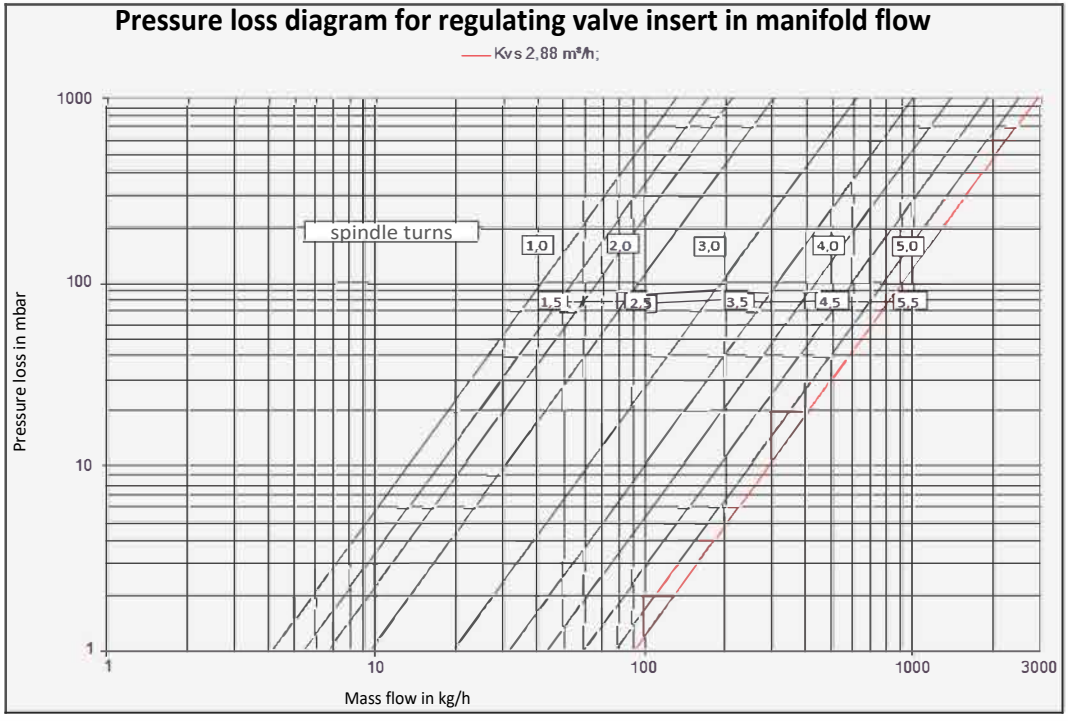
Close:
6. Turn the enclosed key clockwise until it stops

Open:
7. Turn the enclosed key counterclockwise until it stops = open to default setting

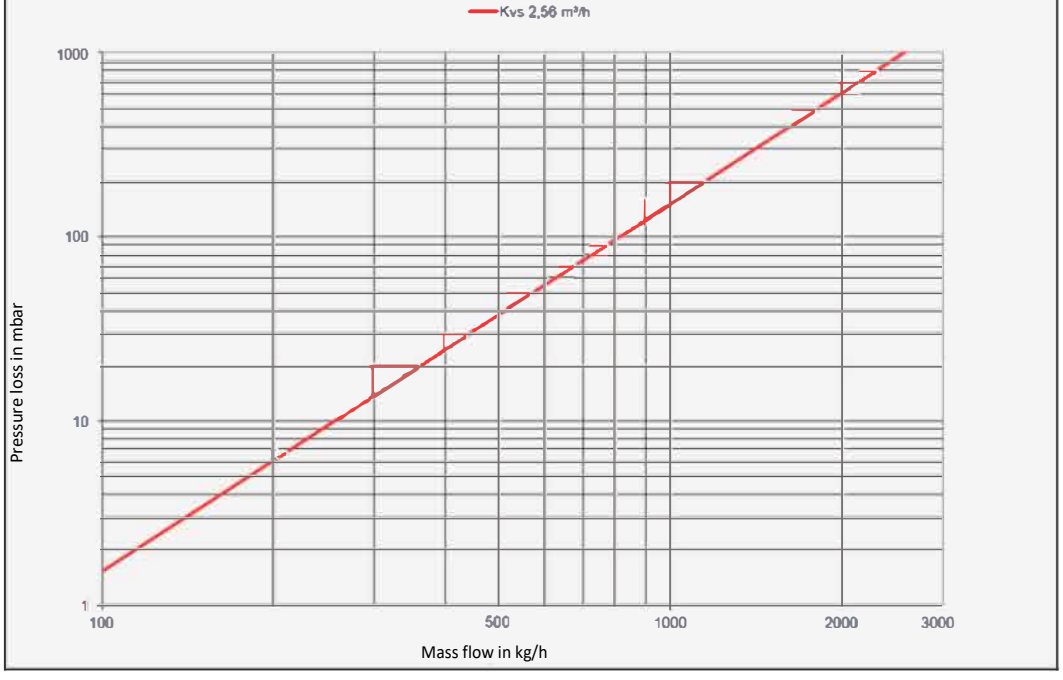
Regolux VA 0-3 l/min in the flow - pressure losses and volume flows



Pressure loss diagram for regulating valve insert in manifold flow



Pressure loss diagram V2A, THV insert in manifold return



You drained your heating pipe for the duration of the cold season.
Nevertheless, in the spring you notice that a ball valve on the cast housing has cracked.
This is simply because you set the ball valve to full flow after draining. This protects the heating pipe against bursting. However, residual water gets stuck in the housing between the ball and the housing wall.

Our tip:
After draining the pipe, turn your ball valve to a position between “fully open” and “fully closed.” This allows the water between the ball and the outer wall of the ball valve housing to escape. This helps to prevent the ball valve from being damaged by frost.