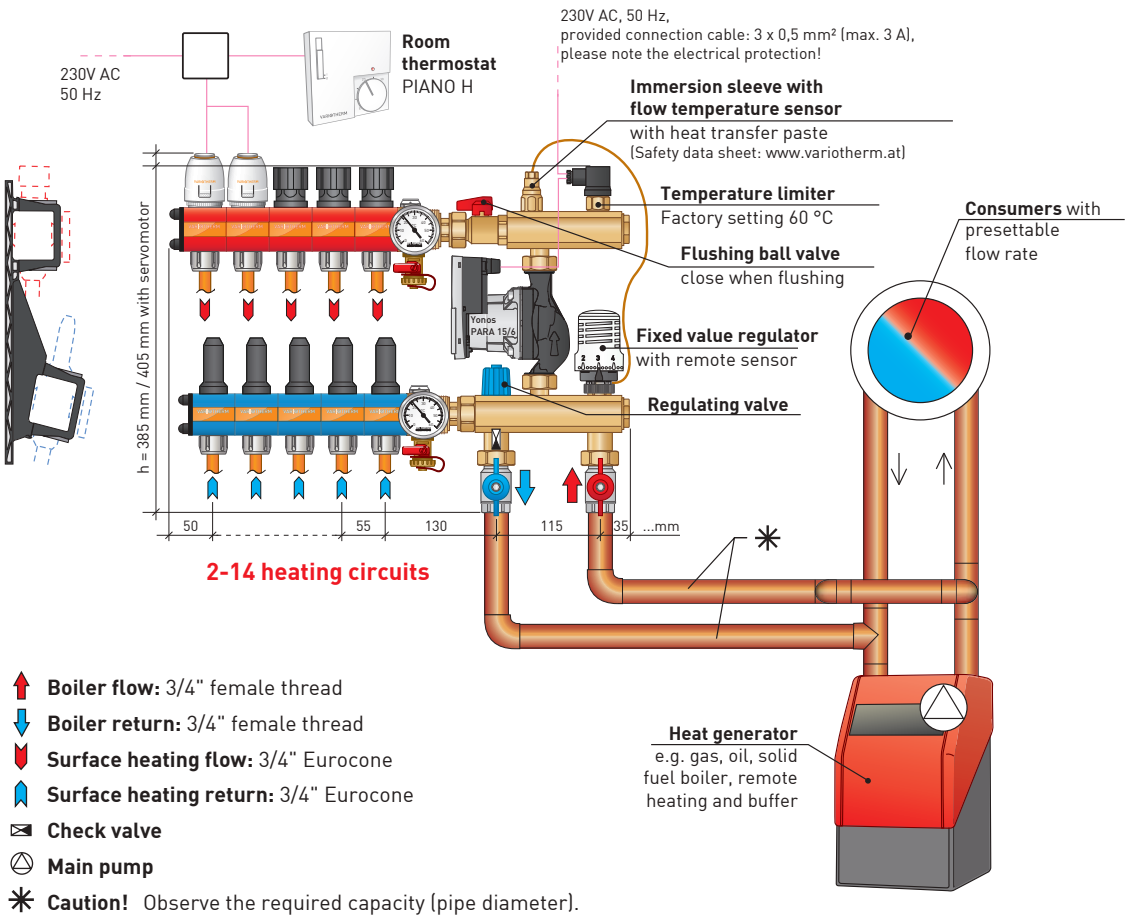
Pumped Manifold (PVST) [1/3]

Fixed value control station for surface heating
with existing main pump

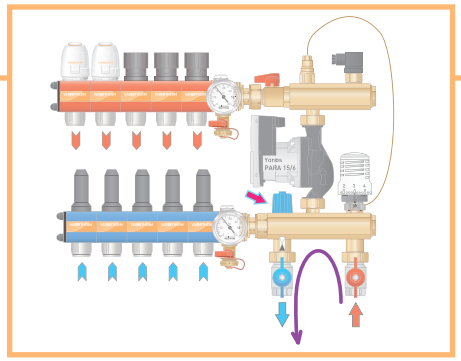
WILO Yonos Para ErP READY 2015 EEI ≤ 0,20



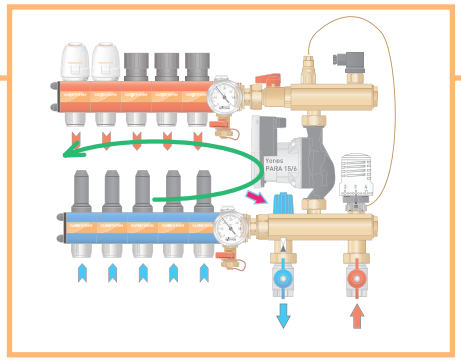
- **Boiler flow:** 3/4" female thread
- **Boiler return:** 3/4" female thread
- **Surface heating flow:** 3/4" Eurocone
- **Surface heating return:** 3/4" Eurocone
- **Check valve**
- **Main pump**
- **Caution!** Observe the required capacity (pipe diameter). Primary pressure required!

The flow rate in the boiler circuit is adjusted using the regulating valve when the fixed-value regulator is fully opened ( )

Installation depth PVST:
125 mm

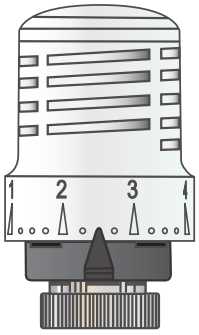


Boiler circuit



Surface heating circuit

Setting the fixed value regulator



- The boiler flow temperature must be at least 10 K higher than the set flow temperature of the surface heating .
- The temperature can be continuously adjusted between 20 and 70 °C. The scale of 1-7 on the handwheel gives the following target temperatures (guideline):

1	2	3	4	5	6	7
20 °C	28 °C	37 °C	45 °C	53 °C	62 °C	70 °C

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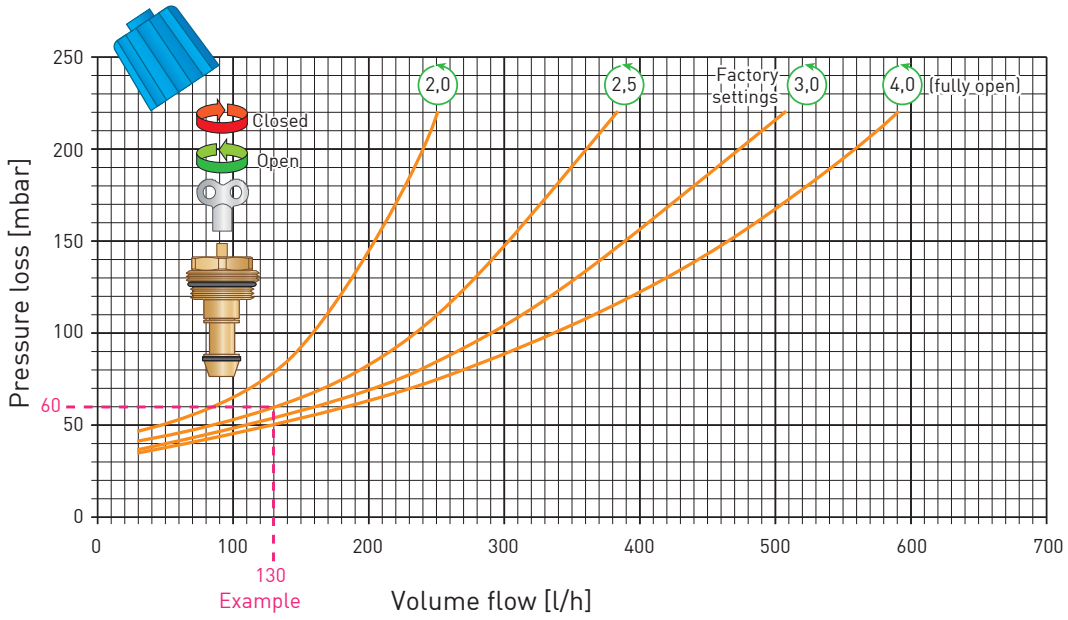
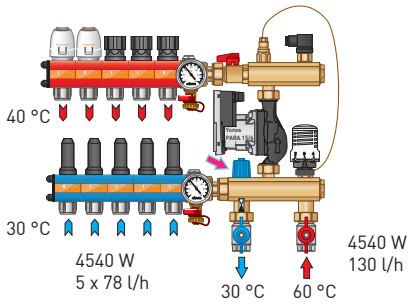
Pumped Manifold (PVST) [2/3]

Fixed value control station for surface heating
with existing main pump

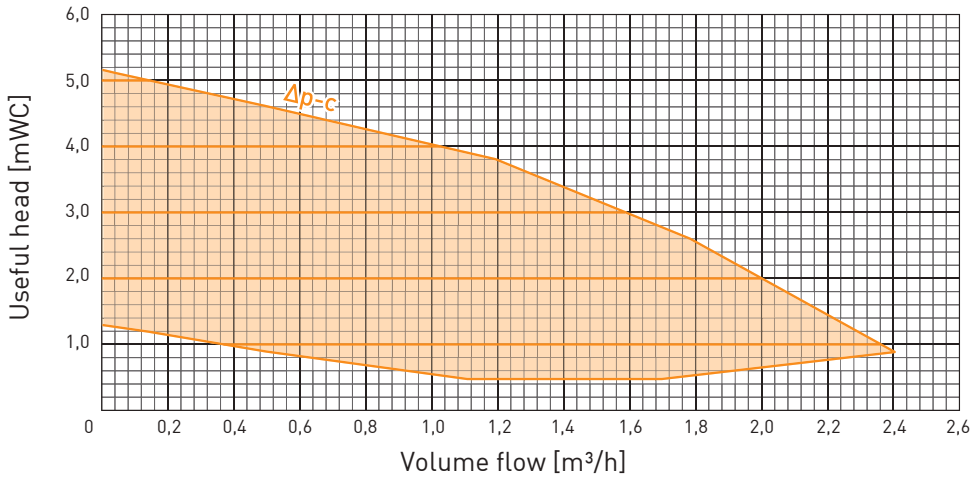
Pressure loss in the boiler circuit with fully open fixed value regulator - balance with regulating valve





Example PVST 5 heating circuits:
Desired: Pressure loss = 60 mbar
Required: Turns when open
→ open the regulating valve
2.5 turns

Useful head of PVST pump (WILO Yonos PARA 15/6)



Settings via operating knob

Constant differential pressure (Δp-c), for surface heating

Entlüftungsfunktion

Variable differential pressure (Δp-v)

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Pumped Manifold (PVST) [3/3]

Fixed value control station for surface heating
with existing main pump

Fault	Troubleshooting
• Surface heating circuit temperature too low	• Main pump must be available and running • Switch main pump to a higher setting level • Increase flow in the boiler circuit (regulating valve) • Check if the flow/return in the boiler circuit has been reversed • Flush the heating circuit • Fully open the flushing ball valve • Switch on the pump PVST • Adjust the surface heating circuit flow
• Surface heating circuit temperature too high	• Fixed value regulator is not screwed all the way to the end stop

⚠ Safety information

- The electrical and hydraulic connection and service work on the device may only be provided by authorised specialist personnel.
- The devices are designed for use in dry, closed rooms.
- The electrical installation standards and regulations specified by the local energy supply companies should be observed, together with the locally applicable regulations and standards for heating installations.
- Faults in the connection can cause damage to the device! We bear no liability for damage caused by incorrect connection and/or inappropriate handling of the device.
- If the system components are installed or commissioned incorrectly, all claims on the basis of the manufacturer's warranty and guarantee become void.

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