

Warm water circulation problems?

Undersized WWC? Poorly installed WWC?

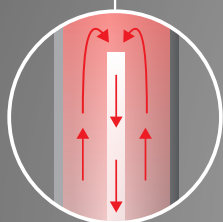
Non-existent WWC? Towel warmer on WWC? ...all of these will lead to problems such as:

- *Water leaks and damages*
- *Low warm water temperature (risk of legionella)*
- *Energy losses*
- *Heating cold water*
- *High water consumption*
- *Long wait for warm water*
- *Never hot warm water*

For all of the mentioned problems, there is now a nice and easy and solution: **SMART-VVC**, internal circulation with pipes in pipes!

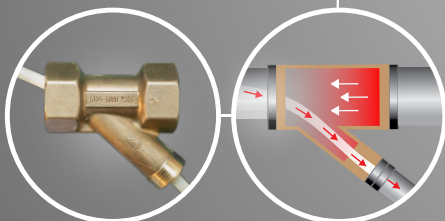
A PEX-hose is installed in the existent warm water system along with a special, patented valve in the basement. Warm water is circulated to the water heater through a regulating valve. By installing **SMART-VVC** in the existing warm water system, maximum functionality is achieved whether or not there has been WWC installed prior.

SMART-VVC is quickly growing and being installed in more and more places!



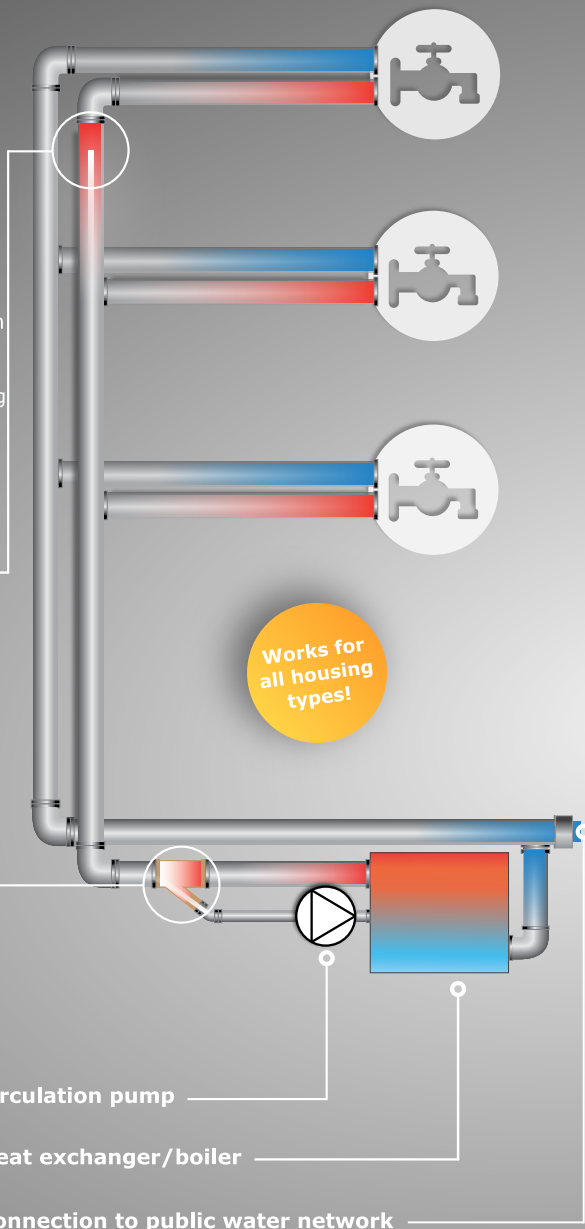
PEX hose:

A PEX hose is inserted in the existing, standing warm water pipe. At its top end, water is sucked back by means of a circulation pump, thus creating circulation.



SMART VVC valve:

The valve simultaneously enables a water flow upwards through the pipe and back to the heater through the PEX hose.



Circulation pump

Heat exchanger/boiler

Connection to public water network