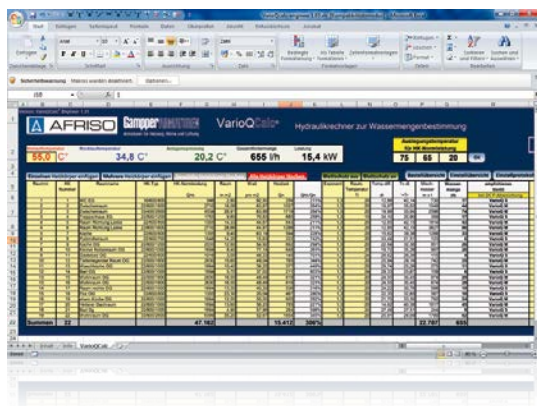


Fast and easy hydraulic balancing

Traditional hydraulic balancing often involves a lot of estimating and approximation since precise information on the pipe system is unavailable. This is particularly true of older systems where pipe lengths and cross sections may not be documented so that a decisive factor required for precise adjustment of the valves is missing. The patented Gampper valve range VarioQ uses a different approach for hydraulic balancing. The triple-stage system

optimises the heating system on the basis of calculation, measurement and adjustment without additional adjustment valves (such as line valves). The heating system expert adjusts the heat distribution directly at each radiator by limiting the amount of hot water - quickly and easily. Even minimum flow rates can be set with this system.



Calculation software **VarioQCalc**

The easy-to-use software determines the required optimum water volume as well as the VarioQ valves for each radiator. Only the flow temperature of the system, the radiator capacity and the heat requirements of the rooms to be heated are needed as a basis for the calculation. Parameters and estimated values of the pipe system do not have to be considered.

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Measuring instrument **HMG 10**

HMG 10 receives its data from VarioQCalc via a USB interface. The measuring instrument measures the flow rate in litres per hour and the water volume can be easily set at the valve without conversion. In addition, all standard measuring valves and line fittings are stored and can be intuitively selected via the graphical user interface.



Gampper valve range **VarioQ**

The adjustable thermostat valves feature a fixed, calibrated measuring unit for adjustment of the volume flow directly at the valve.