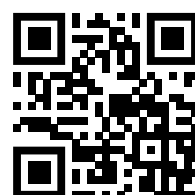




HeatBloC® MCom – the heating circuit 4.0

Innovative system technology for modern heating





HeatBloC® MCom: heating upgrade to the level 4.0



Whether it's about Smart Home in a single-family house or as Direct Digital Control (DDC) in a central building control system – The HeatBloC® MCom upgrades your heating system to level 4.0

The **HeatBloC® MCom** combines high-quality and durable components of a PAW standard heating circuit with the latest sensor technology, actuator technology and control technology. In doing so, numerous installation values (data points) are immediately provided and must not be additionally integrated.

System monitoring is thus easier than ever before!

The heating circuits of the **HeatBloC® MCom** series can be connected to a multitude of **Smart Home centrals**. The connection is usually established via system-specific gateways. It is therefore compatible with **all the common Smart Home systems**, but can also be established directly via **Modbus**.

With the optional communication set and the free PAW app, the HeatBloC® MCom can be easily:

- ✓ installed
- ✓ optimized
- ✓ documented



The advantages of the app at a glance:

- **Fully equipped heating circuit including sensor technology and actuator technology**
 - ✓ No subsequent installation of additional components (differential pressure controller), no hidden cost
- **Easy integration into Smart Homes**
 - ✓ Compatible with all common Smart Home systems
 - ✓ Modbus-compatible
- **Quick commissioning of every heating line**
 - ✓ Hydraulic balancing of distribution manifold happens automatically
 - ✓ No time-consuming adjustment of regulating valve and overflow valve
 - ✓ Radiator balancing is possible with the free PAW app
- **BAFA-listed components**
 - ✓ Quick processing of subsidy requests
 - ✓ Up to 15 % subsidies for heating circuits and communication sets (heating optimisation)
- **Measuring and visualising of system parameters**
 - ✓ Optimize the energy distribution: minimize operating costs - without any loss of comfort
 - ✓ Increase the reliability

Quick - reliable - efficient
PAW Smart Home solution





HeatBloC® MCom: Easy commissioning and high living comfort included!



The **HeatBloC® MCom** guarantees **easy commissioning and high reliability** for high comfort demands. Time-consuming adjustments can be left out and additional visits of your craftsman are not required.

The HeatBloC® MCom automatically adapts to any operating condition. The heat is transferred to where it is needed. With our HeatBloC's MC you can save approximately **50 % of the pump energy** compared to mechanical differential pressure controllers. With the **HeatBloC® MCom** it is also possible to **save up to 20 % of fuel**.

Installation – Adjustment – Comfort!



HeatBloC® MCom: Dynamic hydraulic balancing included!



Installation – Adjustment – Comfort: The Plug & Play solution!

Not only does the **HeatBloC® MCom** save you a lot of pump energy and money - combined with the **communication set** and the free **PAW app** it also makes **hydraulic balancing of your radiators possible** - hydraulic balancing certificate included:

- ✓ **System data:** heating loads, thermal output, heating circuits
- ✓ **Heating parameters:** flow temperature, flow rate, differential pressure
- ✓ **Documentation** (VdZ form for hydraulic balancing, compliant with KfW/BAFA)

With this easy hydraulic balancing, you and your craftsman are on the same side and you will receive subsidies in no time!





HeatBloC® MCom: Important data included!



Unlike other systems, the **HeatBloC® MCom** does not require any additional hardware installations. You will not have any hidden retrofitting cost for upgrades of your sensor technology or actuator technology.

With the **HeatBloC® MCom** you can display and adjust the following values in your **Smart Home system**:

- **Temperature**

- ✓ T_{FL-AC} , T_{FL-NOM}
- ✓ T_{RT-AC}

- **Differential pressure**

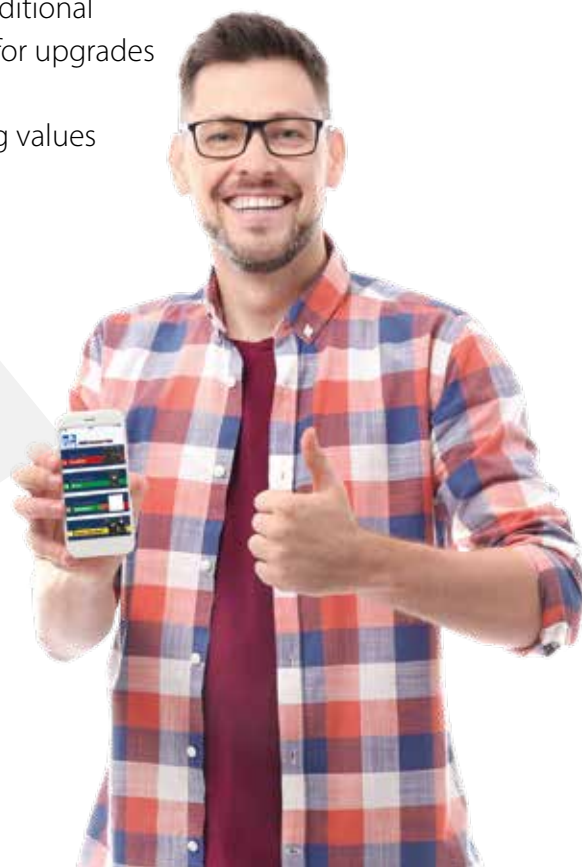
- ✓ Δp_{AC} , Δp_{NOM}

- **Flow rate**

- ✓ F_{RAC}

- **Status messages/Balance values**

- ✓ Sensors: min./max. values, error messages
- ✓ Mixing valve: control (0-10 V), current rotation angle
- ✓ Pumps: control (PWM), calculated flow rate, error messages



HeatBloC® MCom: CO₂- and cost reduction included!



The energy-efficient **HeatBloC® MCom** ist **BAFA listed**, so you can request the **BAFA and KfW subsidies of 15 %** (heating optimisation) quickly and easily. Other countries (like Austria) have similar subsidy programmes.

Due to the intergration into the Smart Home, the **HeatBloC® MCom** operates at the lowest flow temperature.

Space-time-user profiles of electronic thermostatic valves that used to be rigid can be combined with window contacts, motion detectors, weather reports and user profiles.

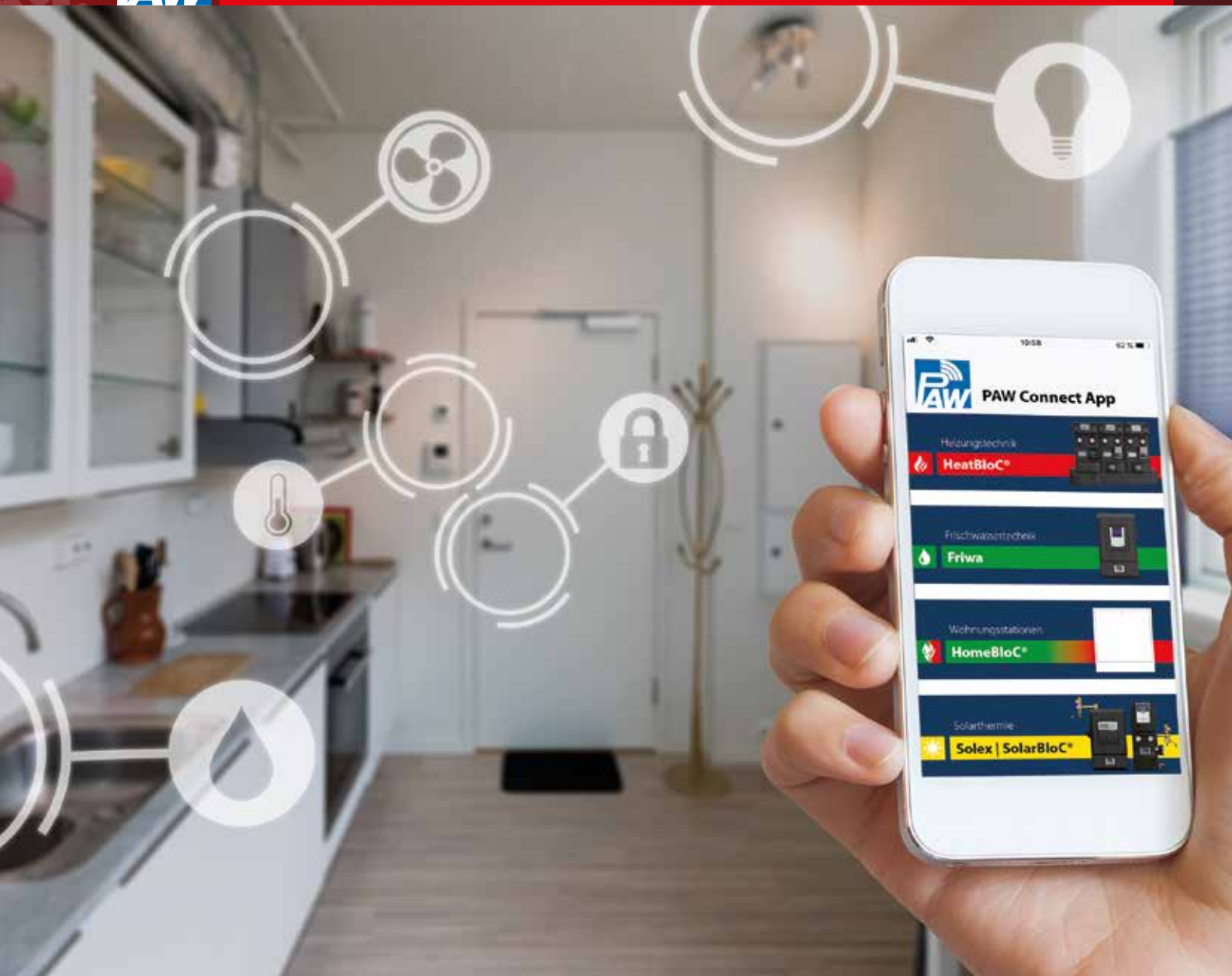


This way, Smart Homes equipped with a HeatBloC® MCom pay off a lot faster and have a substantially lower carbon footprint.





HeatBloC® MCom – the PAW Smart Home solution!



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