



PAW-Flat stations HomeBloC® Digital

Catalogue 04/2025

Fully electronic flat stations - Efficiency redefined

Valid for the EU







Discover the HomeBloC[®] Digital – the future of flat stations



The innovative solution for

- effective power
- minimum planning effort
- highest living comfort

HomeBloC® Digital



Advantages HomeBloC® Digital:

FUTURE



Energy-optimised operation

State-of-the-art technology with integrated automatic hydraulic balancing - completely without components that cause pressure loss, the system ensures optimum operation



Minimised maintenance effort

Thanks to comprehensive data availability (BMS connection), maintenance work is extremely efficient. Predictive maintenance can be realised effortlessly.



Maximum comfort

The electronically tuned system of the HomeBloC® Digital ensures even heat distribution.





Demand-led consumption

Integrated balancing of the floor distribution manifold, no supply pump with high power consumption required.



Maximum customer satisfaction

The continuously developed and proven PAW domestic hot water control system is designed for optimum convenience. No waiting times thanks to intelligent heat retention.



Minimised planning effort

Adaptive and self-learning, which makes planning much easier. No line balancing/differential pressure valves required!





Save energy conveniently now!

The PAW HomeBloC[®] Digital is a highly efficient, fully electronically controlled home transfer station for decentralised domestic hot water heating and heat supply.

The integrated differential pressure control in conjunction with a speed-controlled pump enables energy-optimised and hydraulically balanced operation. Components that cause pressure loss, such as differential pressure controllers, are no longer required. Domestic hot water is heated as required in the high-performance heat exchanger in the station. The temperature is regulated to the exact degree. The generously dimensioned heat exchangers enable operation with an extremely low primary flow temperature. The HomeBloC[®] Digital is therefore ideally suited for optimum operation with a heat pump.

As in the PAW domestic hot water stations, domestic hot water is heated using the instantaneous water heater principle. No energy is stored in the drinking water, which ensures fast, efficient and above all hygienic heating of drinking water.

The self-learning control algorithm specially developed by PAW ensures fast and degreeaccurate domestic hot water heating. Here, too, no pressure loss-causing components are required, which means that high output capacities of up to 25 l/min can be achieved.

Adjustable time programmes and operation modes (e.g. holiday, party etc) allow a very individual and optimally adapted operation.

The controller is operated and set via one or more room control units and/or an app.

The room control unit is available in both wired and wireless versions. The controller can conveniently control five independent zones.

Various standard interfaces/protocols are already available in the basic controller for simple integration into a building management system. An appropriate parametrisation leads to a minimisation of standstill losses and a decrease of heating-up times, which has a positive influence on the energy performance level of the building.

All messages, operating times, parameters and statistics can be retrieved so that a possibly required maintenance assignment on site can be prepared accordingly. Predictive maintenance is also possible thanks to the information available. Heat quantity and cold water meters with an installation length of 110 mm can be easily integrated into the installation sections provided for this purpose.

The PAW HomeBloC[®] Digital is available in the three basic versions WR, WF and WRF-E which mainly differ in the equipment features of the heating circuits to be supplied. **WR** stands for hot water and radiator circuit, **WF** for hot water and radiant floor circuit and **WRF-E** is a combination of hot water, radiator und radiant floor circuit.

What are you waiting for? Start saving energy now without sacrificing the comfort you are used to.

HomeBloC[®] Digital Versions WR, WF, WRF-E



HomeBloC[®] Digital WR

- drinking water heater
- radiator connection





- drinking water heater
- radiator connection and connection floor distribution manifold
- injection-type circuit





HomeBloC[®] Digital WF

- drinking water heater
- connection floor distribution manifold



Legend for versions:

- W: hot water preparation, controlled according to demand, fully electronically regulated with degree accuracy
- **F:** fully electronic and differential pressure controlled connection for radiant floor / panel heating circuits incl. mixing unit
- **R:** fully electronic and differential pressure controlled radiator connection

Legend for connections:

- 🕇 Cold water inlet
- 📥 Domestic cold water
- Domestic hot water
- Heat generation return
- Heat generation flow
- 🗰 Radiator circuit return
- Radiator circuit flow
- Radiant floor circuit return
- Radiant floor circuit flow





Improve the efficiency of your overall system even further - with a DHW postheating system!

The PAW HomeBloC[®] Digital with instantaneous water heater (DLE) unlocks additional potential for system optimisation.

The drinking water is preheated in the highperformance heat exchanger and reheated to the desired outlet temperature to the exact degree with the help of the instantaneous water heater.

The integrated instantaneous water heater enables extremely low heating flow temperatures, which would not be sufficient for domestic hot water heating.

The principle of DHW postheating using the electric instantaneous water heater enables resource-saving operation of a heat pump. Optimised COP values can be achieved.

HomeBloC[®] Digital WF + DLE

- drinking water heater
- connection floor distribution manifold
- instantaneous water heater





04/2025 • Printed in Germany PAW GmbH & Co. KG • info@paw.eu • www.paw.eu





Dimensions	
All connections	¾ " int. thread, flat sealing
Construction depth	110 mm possible,
	dependent on the equipment and the requirements
Height / width	dependent on the equipment and the requirements
Electrical connection	power supply 230 V~, 50 Hz
Power consumption controller	5 W
Maximum power consumption	specific to equipment

Materials	
Base plate / Flush-mounted cupboard	zinc-galvanised steel sheet
Cover frame, door, plinth panel	standard: steel sheets, powder-coated, white (RAL 9016), other colours or designs possible on request optional: plastic, solid-coloured or printed
Ball valves, fittings: domestic hot water circuit	brass, approved for drinking water
Ball valves, fittings: heating circuit	brass
Pipes	stainless steel (1.4401), approved for drinking water
Seals	fibre composite / EPDM / teflon
Heat exchanger	standard: plate heat exchanger, stainless steel plates soldered with copper optional: coated for corrosion protection or version in full stainless steel, dimensioning according to your needs

Operating temperature		
Operating pressure: domestic hot water	max. 10 bar	
Operating pressure: heating system	max. 3 bar	
Operating temperature: domestic hot water	max. 60 °C	
Operating temperature: heating system	max. 70 °C	

Outputs	
Output capacity (10 -> 45 °C)	up to 25 l/min (equates to 61 kW)
Heating capacity	up to 9 kW (when $\Delta T = 10$ K)

Instantaneous water heater	11 kW
	allows the decrease of the flow temperatures on the boiler side
	or the increase of the domestic hot water output









Technical data			
Connections		Dimensions	
Domestic hot water supply	3 x ¾" int. thread (flat– sealing and self–sealing)	Base plate station	W = 670 mm, H = 750 mm, D = 105 mm; W = 806 mm, H = 758 mm, D = 150 mm
Heat supply	2 x ¾" int. thread (flat– sealing and self–sealing)	Flush-mounted cupboard	W = 750 mm, H = 885 mm, D = 120 mm; W = 906 mm, H = 1.457 mm, D = 135-205 mm
Heating circuit outlets	2 x ¾" int. thread (flat– sealing and self–sealing)	Cover frame (flush-mounted cupboard)	W = 906 mm, H = 927 mm, D = 120-190 mm
Materials		Wall-mounted cupboard	W = 880 mm, H = 973 mm, D = 130 mm
Base plate / Flush-mounted cupboard	zinc-galvanised steel sheet	Total dimensions cupboard for station + floor distribution manifold	W = 750 mm, H = 1.440 mm
Cover frame, door, base cover	Steel sheets, powder-coated, white (RAL 9016)	Adjustment range of the base	0 - 80 mm
Ball valves, valves and fittings: Domestic hot water circuit	Brass, approved for potable water		
Ball valves, valves and fittings: Heating circuit	Brass, approved for potable water		
Pipes	Stainless steel (1.4401), approved for potable water		
Gaskets	Fibre composite / EPDM / Teflon		
Heat exchanger	Standard: Stainless steel plates; Copper solder more heat exchanger designs: see order table		

PAW-HomeBloC[®] Digital WR - Radiator circuit (unmixed)

Heat exchanger	Volume flow limiter*	ltem no.
50 plates, copper solder	16 l/min	125437101
70 plates, copper solder	20-25 l/min	125537101



HomeBloC[®] Digital WR + DLE Radiator circuit (unmixed)





Application range	for residential properties with one or various radiator circuits		
Max. operating pressure	Operating pressure: domestic hot water	max. 10 bar	
	Operating pressure: heating system	max. 3 bar	
Operating temperature	Operating temperature: domestic hot water	max. 60 °C	
	Operating temperature: heating system	max. 70 °C	
Output	Output capacity (10 ->45°C)	16 l/min; 20-25 l/min	
	Heating capacity	up to 9 kW (at $\Delta T = 10$ K)	
Equipment	Pump	Grundfos UPM4 15-75	

Technical data			
Connections		Dimensions	
Domestic hot water supply	3 x ¾" int. thread (flat– sealing and self–sealing)	Base plate station	W = 670 mm, H = 750 mm, D = 135 mm; W = 806 mm, H = 1.333 mm, D = 150 mm
Heat supply	2 x ¾" int. thread (flat– sealing and self–sealing)	Flush-mounted cupboard	W = 750 mm, H = 885 mm, D = 150 mm; W = 906 mm, H = 1.457 mm, D = 135-205 mm
Heating circuit outlets	2 x ¾" int. thread (flat– sealing and self–sealing)	Cover frame (flush-mounted cupboard)	W = 906 mm, H = 927 mm, D = 120-190 mm
Materials		Wall-mounted cupboard	W = 880 mm, H = 973 mm, D = 130 mm
Base plate / Flush-mounted cupboard	zinc-galvanised steel sheet	Total dimensions cupboard for station + floor distribution manifold	W = 750 mm, H = 1.440 mm
Cover frame, door, base cover	Steel sheets, powder-coated, white (RAL 9016)	Adjustment range of the base	0 - 80 mm
Ball valves, valves and fittings: Domestic hot water circuit	Brass, approved for potable water		
Ball valves, valves and fittings: Heating circuit	Brass, approved for potable water		
Pipes	Stainless steel (1.4401), approved for potable water		
Gaskets	Fibre composite / EPDM / Teflon		
Heat exchanger	Standard: Stainless steel plates; Copper solder more heat exchanger designs: see order table		

PAW-HomeBloC[®] Digital WR + DLE - Radiator circuit (unmixed)

Heat exchanger	Volume flow limiter*	ltem no.
50 plates, copper solder	16 l/min	126417101
70 plates, copper solder	20-25 l/min	126517101



HomeBloC® Digital WF Radiant floor circuit (mixed)





Application range	for residential properties with one or various radiant floor circuits	
Max. operating pressure	Operating pressure: domestic hot water	max. 10 bar
	Operating pressure: heating system	max. 3 bar
Operating temperature	Operating temperature: domestic hot water	max. 60 °C
	Operating temperature: heating system	max. 70 °C
Output	Output capacity (10 ->45°C)	16 l/min; 20-25 l/min
	Heating capacity	up to 9 kW (at $\Delta T = 10$ K)
Equipment	Pump	Grundfos UPM4 15-75

Technical data			
Connections		Dimensions	
Domestic hot water supply	3 x ¾" int. thread (flat– sealing and self–sealing)	Base plate station	W = 670 mm, H = 750 mm, D = 105 mm; W = 806 mm, H = 758 mm, D = 150 mm
Heat supply	$2 \times 3^{"}$ int. thread (flat– sealing and self–sealing)	Flush-mounted cupboard	W = 750 mm, H = 885 mm, D = 120 mm; W = 906 mm, H = 1.457 mm, D = 135-205 mm
Heating circuit outlets	2 x ¾" int. thread (flat– sealing and self–sealing)	Cover frame (flush-mounted cupboard)	W = 906 mm, H = 1457 mm, D = 135-205 mm
Materials		Wall-mounted cupboard	W = 880 mm, H = 1440 mm, D = 190 mm
Base plate / Flush-mounted cupboard	zinc-galvanised steel sheet	Total dimensions cupboard for station + floor distribution manifold	W = 750 mm, H = 1.440 mm
Cover frame, door, base cover	Steel sheets, powder-coated, white (RAL 9016)	Adjustment range of the base	0 - 80 mm
Ball valves, valves and fittings: Domestic hot water circuit	Brass, approved for potable water		
Ball valves, valves and fittings: Heating circuit	Brass, approved for potable water		
Pipes	Stainless steel (1.4401), approved for potable water		
Gaskets	Fibre composite / EPDM / Teflon		
Heat exchanger	Standard: Stainless steel plates; Copper solder more heat exchanger designs: see order table		

PAW-HomeBloC[®] Digital WF - Radiant floor circuit (mixed)

Heat exchanger	Volume flow limiter*	ltem no.
50 plates, copper solder	16 l/min	125439101
70 plates, copper solder	20-25 l/min	125539101



HomeBloC[®] Digital WF + DLE Radiant floor circuit (mixed)





Application range	for residential properties with one or va circuits	arious radiant floor
Max. operating pressure	Operating pressure: domestic hot water	max. 10 bar
	Operating pressure: heating system	max. 3 bar
Operating temperature	Operating temperature: domestic hot water	max. 60 °C
	Operating temperature: heating system	max. 70 °C
Output	Output capacity (10 ->45°C)	16 l/min; 20-25 l/min
	Heating capacity	up to 9 kW (at $\Delta T = 10$ K)
Equipment	Pump	Grundfos UPM4 15-75

Technical data			
Connections		Dimensions	
Domestic hot water supply	3 x ¾" int. thread (flat– sealing and self–sealing)	Base plate station	W = 806 mm, H = 758 mm, D = 150 mm; W = 806 mm, H = 1.333 mm, D = 150 mm
Heat supply	2×3^{4} int. thread (flat– sealing and self–sealing)	Flush-mounted cupboard	W = 750 mm, H = 885 mm, D = 150 mm; W = 906 mm, H = 1.457 mm, D = 135-205 mm
Heating circuit outlets	2 x ¾" int. thread (flat– sealing and self–sealing)	Cover frame (flush-mounted cupboard)	W = 906 mm, H = 1457 mm, D = 135-205 mm
Materials		Wall-mounted cupboard	W = 880 mm, H = 1440 mm, D = 190 mm
Base plate / Flush-mounted cupboard	zinc-galvanised steel sheet	Total dimensions cupboard for station + floor distribution manifold	W = 750 mm, H = 1.440 mm
Cover frame, door, base cover	Steel sheets, powder-coated, white (RAL 9016)	Adjustment range of the base	0 - 80 mm
Ball valves, valves and fittings: Domestic hot water circuit	Brass, approved for potable water		
Ball valves, valves and fittings: Heating circuit	Brass, approved for potable water		
Pipes	Stainless steel (1.4401), approved for potable water		
Gaskets	Fibre composite / EPDM / Teflon		
Heat exchanger	Standard: Stainless steel plates; Copper solder more heat exchanger designs: see order table		

PAW-HomeBloC[®] Digital WF + DLE - Radiant floor circuit (mixed)

Heat exchanger	Volume flow limiter*	ltem no.
50 plates, copper solder	16 l/min	126419101
70 plates, copper solder	20-25 l/min	126519101



Technical data





Application range	for residential properties with radiator circuits or the radiant floor circuits operated at the same time	
Max. operating pressure	Operating pressure: domestic hot water	max. 10 bar
	Operating pressure: heating system	max. 3 bar
Operating temperature	Operating temperature: domestic hot water	max. 60 °C
	Operating temperature: heating system	max. 70 °C
Output	Output capacity (10 ->45°C)	16 l/min; 20-25 l/min
	Heating capacity	up to 9 kW (at $\Delta T = 10$ K)
Equipment	Pump	Grundfos UPM4 15-75

Connections		Dimensions	
Domestic hot water supply	3 x ¾" int. thread (flat– sealing and self–sealing)	Base plate station	W = 806 mm, H = 758 mm, D = 150 mm
Heat supply	2 x ¾" int. thread (flat– sealing and self–sealing)	Flush-mounted cupboard	W = 906 mm, H = 1.457 mm, D = 135-205 mm
Heating circuit outlets	2 x ¾" int. thread (flat– sealing and self–sealing)	Cover frame (flush-mounted cupboard)	W = 906 mm, H = 1457 mm, D = 135-205 mm
Materials		Wall-mounted cupboard	W = 880 mm, H = 1440 mm, D = 190 mm
Base plate / Flush-mounted cupboard	zinc-galvanised steel sheet	Total dimensions cupboard for station + floor distribution manifold	W = 750 mm, H = 1.440 mm
Cover frame, door, base cover	Steel sheets, powder-coated, white (RAL 9016)	Adjustment range of the base	0 - 80 mm
Ball valves, valves and fittings: Domestic hot water circuit	Brass, approved for potable water		
Ball valves, valves and fittings: Heating circuit	Brass, approved for potable water		
Pipes	Stainless steel (1.4401), approved for potable water		
Gaskets	Fibre composite / EPDM / Teflon		
Heat exchanger	Standard: Stainless steel plates; Copper solder more heat exchanger designs: see order table		

PAW-HomeBloC® Digital WRF-E - Radiator circuit and radiant floor circuit (mixed + unmixed)

Heat exchanger	Volume flow limiter*	ltem no.
50 plates, copper solder	16 l/min	125438102
70 plates, copper solder	20-25 l/min	125538102



HomeBloC® Digital WRF + DLE Radiator circuit and radiant floor circuit (mixed + unmixed)





Application range	for residential properties with radiator circuits or the radiant floor circuits operated at the same time	
Max. operating pressure	Operating pressure: domestic hot water	max. 10 bar
	Operating pressure: heating system	max. 3 bar
Operating temperature	Operating temperature: domestic hot water	max. 60 °C
	Operating temperature: heating system	max. 70 °C
Output	Output capacity (10 ->45°C)	16 l/min; 20-25 l/min
	Heating capacity	up to 9 kW (at $\Delta T = 10$ K)
Equipment	Pump	Grundfos UPM4 15-75

Technical data			
Connections		Dimensions	
Domestic hot water supply	3 x ¾" int. thread (flat– sealing and self–sealing)	Base plate station	W = 670 mm, H = 1.340 mm, D = 135 mm; W = 806 mm, H = 1.333 mm, D = 150 mm
Heat supply	$2 \times 3^{"}$ int. thread (flat– sealing and self–sealing)	Flush-mounted cupboard	W = 750 mm, H = 1.440 mm, D = 150 mm; W = 906 mm, H = 1.457 mm, D = 135-205 mm
Heating circuit outlets	2 x ¾" int. thread (flat– sealing and self–sealing)	Cover frame (flush-mounted cupboard)	W = 906 mm, H = 1457 mm, D = 135-205 mm
Materials		Wall-mounted cupboard	W = 880 mm, H = 1440 mm, D = 190 mm
Base plate / Flush-mounted cupboard	zinc-galvanised steel sheet	Total dimensions cupboard for station + floor distribution manifold	W = 750 mm, H = 1.440 mm
Cover frame, door, base cover	Steel sheets, powder-coated, white (RAL 9016)	Adjustment range of the base	0 - 80 mm
Ball valves, valves and fittings: Domestic hot water circuit	Brass, approved for potable water		
Ball valves, valves and fittings: Heating circuit	Brass, approved for potable water		
Pipes	Stainless steel (1.4401), approved for potable water		
Gaskets	Fibre composite / EPDM / Teflon		
Heat exchanger	Standard: Stainless steel plates; Copper solder more heat exchanger designs: see order table		

PAW-HomeBloC® Digital WRF + DLE - Radiator circuit and radiant floor circuit (mixed + unmixed)

Heat exchanger	Volume flow limiter*	ltem no.
50 plates, copper solder	16 l/min	126418101
70 plates, copper solder	20-25 l/min	126518101





	7 ball valves without mounting rail	1280107101
	7 ball valves with mounting rail	1280207201
44-4-4444	To shut off the lines during commissioning and maintenance. Marked in colour for easy assignment, DVGW approved, connection side G¾" internal thread. Including covering caps to avoid contamination of the ball valves until installation of the station. The ball valves can be ordered with or without mounting rail. When using the mounting rail, the ball valves are mounted to the wall even before the installation of the station. Thus all pipes can be connected and the system may be set under pressure - the station can be installed very quickly and easily.	
	Floor distribution manifold for HomeBloC $^{\circ}$ Digital, type WRF + DLE, 4-fold	1285004102
	Floor distribution manifold for HomeBloC $^\circ$ Digital, type WRF + DLE, 5-fold	1285005102
	Floor distribution manifold for HomeBloC $^{\circ}$ Digital, type WRF + DLE, 6-fold	1285006102
	Floor distribution manifold for HomeBloC [®] Digital, type WRF + DLE, 7-fold	1285007102
	Floor distribution manifold for HomeBloC [®] Digital, type WRF + DLE, 8-fold	1285008102
	Floor distribution manifold for HomeBloC [®] Digital, type WRF + DLE, 9-fold	1285009102
	Floor distribution manifold for HomeBloC [®] Digital, type WRF + DLE, 10-fold	1285010102
	With injection-type circuit, allows the connection of a floor distribution manifold and a radiator circuit. Injection-type circuit complete with pump, injection valve and temperature sensor. The PAW heating distribution manifold for radiant floor heating ensures a steady and comfortable heat distribution in the home. Completely equipped with ball valve rail, piping and thermal drives, pre-mounted on a mounting plate for an easy and quick installation in wall-mounted or flush-mounted cupboards. Filling, draining and venting is easily possible. The complete set with floor distribution manifolds is available from a 4-fold version up to a 10-fold version. Connections: Ball valves: ¾" int. thread / ext. thread Floor distribution manifold: ¾" ext. thread Eurocone	
	Floor distribution manifold, complete set for all HomeBloC® Digital types, except WRF + DLE, 4-fold	1285004103
	Floor distribution manifold, complete set for all HomeBloC $^\circ$ Digital types, except WRF + DLE, 5-fold	1285005103
	Floor distribution manifold, complete set for all HomeBloC $^\circ$ Digital types, except WRF + DLE, 6-fold	1285006103
	Floor distribution manifold, complete set for all HomeBloC $^\circ$ Digital types, except WRF + DLE, 7-fold	1285007103
	Floor distribution manifold, complete set for all HomeBloC $^\circ$ Digital types, except WRF + DLE, 8-fold	1285008103
	Floor distribution manifold, complete set for all HomeBloC® Digital types, except WRF + DLE, 9-fold	1285009103
	Floor distribution manifold, complete set for all HomeBloC® Digital types, except WRF + DLE, 10-fold	1285010103
	The PAW heating distribution manifold for radiant floor heating ensures a steady and comfortable heat distribution in the home. Completely equipped with ball valve rail, piping and thermal drives, pre-mounted on a mounting plate for an easy and quick installation in wall-mounted or flush- mounted cupboards. Filling, draining and venting is easily possible. The complete set with floor distribution manifolds is available from a 4-fold version up to a 10-fold version. Connections: Ball valves: ¾" int. thread / ext. thread Floor distribution manifold: ¾" ext. thread Eurocone	



Equipment HomeBloC® Digital



Thermoelectric actuator NC, 230 V, with connecting adapter for PAW injection-type circuit Thermoelectric actuator NC, 230 V. The actuator is controlled by a 230 V standard room temperature controller with a 2-point output or a pulse width modulation.	1288601105
Flush-mounted cupboard, short, for stations WR, WF, WRF-E, WR + DLE and WF + DLE, without floor distribution manifolds Suitable for stations of the type WR, WF, WRF-E, WR + DLE and WF + DLE, without floor distribution manifold Consisting of: • Built-in body made of zinc-galvanised sheet steel, installation dimensions W = 856 mm x H = 898 mm x D = 109-179 mm, with height-adjustable feet (can be extended up to 160 mm) • Plinth panel and cover frame made of zinc-galvanised sheet steel, white powder-coated (RAL9016), cover frame W x H x D 906 x 927 x 120-190 mm • Door to hang in, with rotary lock, made of zinc-galvanised sheet steel, white powder-coated (RAL9016), with ventilation slots Other colours or printing on request,	1282002101
Lock interchangeable Flush-mounted cupboard, high, for stations AND floor distribution manifolds Suitable for stations AND floor distribution manifolds, also with instantaneous water heater consisting of: Built-in body made of zinc-galvanised sheet steel, dimensions W = 885 mm x H = 1,432 mm x D = 124-192 mm, with height-adjustable feet (can be extended up to 160 mm) Plinth panel and cover frame made of zinc-galvanised sheet steel, white powder-coated (RAL9016), cover frame W x H x D 907 x 1,457 x 135-205 mm Door to hang in, with rotary lock, made of zinc-galvanised sheet steel, white powder-coated (RAL9016), with ventilation slots Other colours or printing on request, Lock interchangeable	1282602101





	Wall-mounted cupboard, short, for stations WR, WF and WRF-E, without instantaneous water heater	1282102101
	Suitable for stations of the type WR, WF and WRF-E, without floor distribution manifold, without instantaneous water heater Consisting of:	
	 Frame with plinth panel made of zinc-galvanised sheet steel, white powder-coated (RAL9016), dimensions: W = 880 mm x H = 973 mm x D = 130 mm Door to hang in, with rotary lock, made of zinc-galvanised sheet steel, white powder-coated (RAL9016), with ventilation slots 	
	Other colours or printing on request, Lock interchangeable	
9	Wall-mounted cupboard, short, for stations WR + DLE and WF + DLE, without floor distribution manifold	1282102102
	Suitable for stations of the type WR + DLE and WF + DLE, without floor distribution manifold Consisting of: • Frame with plinth panel made of zinc-galvanised sheet steel, white powder-coated (RAL9016), dimensions: W = 880 mm x H = 972 mm x D = 190 mm • Door to hang in, with rotary lock, made of zinc-galvanised sheet steel, white powder-coated (RAL9016), with ventilation slots	
	Other colours or printing on request, Lock interchangeable	
	Wall-mounted cupboard, high, for stations AND floor distribution manifold	1282702101
	Suitable for stations AND floor distribution manifolds, also with instantaneous water heater Consisting of: • Frame with plinth panel made of zinc-galvanised sheet steel, white powder-coated (RAL9016), dimensions: W = 880 mm x H = 1440 mm x D = 190 mm • Door to hang in, with rotary lock, made of zinc-galvanised sheet steel, white powder-coated (RAL9016), with ventilation slots	
	Other colours or printing on request, Lock interchangeable	
	Supplementary set domestic water circulation	1280817101
	Including pipe set, connection fittings with ball valve and required sensor technology. Required for downstreamed hot water connection pipings with a content of more than 3 litres (according to DIN 1988-200) to the most distant withdrawal point or for an increased demand of comfort. During operation, it provides instantly available hot domestic water.	
	ONLY SUITABLE FOR TYPES WR AND WF!	
EEDHON	Room control unit	13676100
°255°	For commissioning the station and setting the hot water nominal temperature. A room control unit is already included in the scope of delivery of the stations. Up to 4 additional room control units per station (controller) can be added.	
+ =		









PAW flat stations HomeBloC® Basic

Catalogue 04/2025

Decentralised domestic hot water preparation and comfortable heat supply

Valid for the EU





Flat stations for decentralised domestic hot water preparation and comfortable heat supply

Choose your individual station!

Flat stations - refined versatility

- For optimal distribution of energy for heating
- Concurrent or dedicated hot water preparation and/or heat according to your need
- Billing proportional to the consumption of each flat due to installation of your cold water and heat flowmeter

Flat stations - flexible and individual

- Modular system allows you to make adjustments to the station according to need
- Flexibility in planning and dimensioning
- Flat station fine-tuned to your needs
- Perfect integration into your living ambience

Flat stations - installation and comfort

- Completely premounted and pressure tested station
- Can be mounted quickly and with minimal effort
- Low costs due to quick and error-free mounting on site



Special features flat stations:

- ✓ Optimal energy utilisation due to powerful heat exchangers
- \checkmark For low-temperature systems, e.g. heat pumps
- Large withdrawal flow rate
- ✓ Minimal pressure losses
- ✓ Premounted and pressure tested unit
- ✓ Construction depth (110 mm) ideally suitable for the installation in partition walls

- ✓ Fully equipped for connecting measurement technology
- ✓ Comfortable and fast installation
- \checkmark For new building or restructuring
- Individual adjustment to your demands is possible!
- ✓ Optimally combined with a PAW HeatBloC[®] MCom





For further information see www.paw.eu

Or simply scan the code!





PAW flat stations HomeBloC[®] Basic – great diversity according to your needs

The PAW HomeBloC[®] Basic is offered in **three basic versions WR, WF and WRF** which differ in their equipment features for the heating circuits to supply. **WR** stands for hot water and radiator circuit, **WF** stands for hot water and floor heating and **WRF** combines hot water, radiator and floor heating.

You may find a corresponding symbol for each version on the corresponding page and in the legend (see below). All stations are operated with a hydromechanical-thermal control by means of a proportional quantity controller. The DHW temperature can be reduced via a service water mixing valve to a user-defined temperature. Each module can be adjusted either to the version of the heat exchanger or to the heating and output capacity.



Connection example full equipment:

- a Domestic hot water
 b Domestic cold water
 c Cold water inlet
 d Heating water return
 e Heating water flow
 f Radiator circuit return
 g Radiator circuit flow
 h Radiant floor circuit return (opt.)
 - Radiant floor circuit flow (opt.)

HomeBloC[®] Basic WR: Radiator circuit (unmixed)

The HomeBloC[®] Basic version **WR** is designed to supply an unmixed circuit.

The temperature in the flow is heated via the mixed heating circuit in the basement to the desired level and directly provided to the circuit of the HomeBloC[®] Basic.

This temperature can be directly used for space heating without being reduced by the flat station. A differential pressure valve avoids whistling noises and hydraulic problems.

Application example:

A property has one or various radiator circuits. The HomeBloC[®] Basic **WR** version suits perfectly for this application. The flow temperature can be provided directly from the radiator to the space heating. Improper differential pressure for thermostatic valves can be reduced easily by means of the differential pressure valve.

Legend:

WR: Hot water + radiator circuit

WF: Hot water + radiant floor circuit

WRF: Hot water + radiator and radiant floor circuit





HomeBloC[®] Basic WF: Radiant floor circuit (mixed)

The HomeBloC[®] Basic version **WF** is designed to supply a mixed heating circuit.

The temperature in the flow is provided via the mixed or unmixed heating circuit in the basement to the the HomeBloC[®] Basic. The temperature there is reduced by means of an injection-type circuit and is provided to the radiant floor circuit. The injection-type circuit can be ordered separately.

Application example:

A residential property has one or various radiant floor circuits. The HomeBloC® Basic **WF** version is perfectly suited for this application. By means of an injectiontype circuit, the flow temperature can be mixed precisely to the temperature level required for the radiant floor heating.

This temperature is provided to the corresponding rooms via a floor distribution manifold.



The HomeBloC[®] Basic **WRF** combines both heating circuits of the WR and WF versions.

This allows either the radiator circuit or the radiant floor circuit to be operated at the same time. Both functionalities are thus combined in one module.









Application range	for residential properties with one or v	arious radiator circuits
Max. operating pressure	Operating pressure: domestic hot water	max. 10 bar
	Operating pressure: heating system	max. 2.5 bar
Operating temperature	Operating temperature: domestic hot water	max. 65 °C
	Operating temperature: heating system	max. 85 °C
Output	Output capacity (10 ->45°C)	12 l/min (≙ 30 kW); 16 l/min (≙ 40 kW); 20 l/min (≙ 49 kW)
	Heating capacity	8.5 kW (when ΔT = 15 K)

Technical data			
Connections		Dimensions	
Domestic hot water supply	3 x ¾" int. thread (flat– sealing and self–sealing)	Base plate station	W = 660 mm, H = 555 mm, D = 100 mm
Heat supply	2 x ¾" int. thread (flat– sealing and self–sealing)	Flush-mounted cupboard	W = 750 mm, H = 685 mm, D = 10 mm
Heating circuit outlets	2 x ¾" int. thread (flat– sealing and self–sealing)	Cover frame (flush-mounted cupboard)	W = 750 mm, H = 555 mm, D = 110 mm
Materials		Wall-mounted cupboard	W = 750 mm, H = 555 mm, D = 150 mm
Base plate / Flush-mounted cupboard	zinc-galvanised steel sheet	Total dimensions cupboard for station + floor distribution manifold	W = 750 mm, H = 1,436 mm
Cover frame, door, base cover	Steel sheets, powder-coated, white (RAL 9016)	Adjustment range of the base	0 - 80 mm
Ball valves, valves and fittings: Domestic hot water circuit	Brass, approved for potable water		
Ball valves, valves and fittings: Heating circuit	Brass, approved for potable water		
Pipes	Stainless steel (1.4401), approved for potable water		
Gaskets	Fibre composite / EPDM / Teflon		
Heat exchanger	Standard: Stainless steel plates; Copper solder more heat exchanger designs: see order table		

PAW-HomeBloC[®] Basic WR - Radiator circuit (unmixed)

Heat exchanger	Volume flow limiter*	ltem no.
24 plates, copper solder	12 l/min	120317101
24 plates, coated	12 l/min	120347101
32 plates, copper solder	16 l/min	120427101
32 plates, coated	16 l/min	120457101
50 plates, copper solder	20 l/min	120537101
50 plates, full stainless steel	20 l/min	120567101



Application range

Max. operating pressure

Operating temperature

Output

circuits

Operating pressure: domestic hot water

Operating temperature: heating system

Operating pressure: heating system

Operating temperature:

Output capacity (10 ->45°C)

domestic hot water

Heating capacity



max. 65 °C

8.5 kW

12 l/min (= 30 kW); 16 l/min (= 40 kW); 20 l/min (= 49 kW)

(when $\Delta T = 15 \text{ K}$)

Technical data			
Connections		Dimensions	
Domestic hot water supply	3 x ¾" int. thread (flat– sealing and self–sealing)	Base plate station	W = 660 mm, H = 555 mm, D = 100 mm
Heat supply	2 x ¾" int. thread (flat– sealing and self–sealing)	Flush-mounted cupboard	W = 750 mm, H = 685 mm, D = 10 mm
Heating circuit outlets	2 x ¾" int. thread (flat– sealing and self–sealing)	Cover frame (flush-mounted cupboard)	W = 750 mm, H = 555 mm, D = 110 mm
Materials		Wall-mounted cupboard	W = 750 mm, H = 555 mm, D = 150 mm
Base plate / Flush-mounted cupboard	zinc-galvanised steel sheet	Total dimensions cupboard for station + floor distribution manifold	W = 750 mm, H = 1,436 mm
Cover frame, door, base cover	Steel sheets, powder-coated, white (RAL 9016)	Adjustment range of the base	0 - 80 mm
Ball valves, valves and fittings: Domestic hot water circuit	Brass, approved for potable water		
Ball valves, valves and fittings: Heating circuit	Brass, approved for potable water		
Pipes	Stainless steel (1.4401), approved for potable water		
Gaskets	Fibre composite / EPDM / Teflon		
Heat exchanger	Standard: Stainless steel plates; Copper solder more heat exchanger designs: see order table		

PAW-HomeBloC[®] Basic WF - Radiant floor circuit (mixed)

Heat exchanger	Volume flow limiter*	ltem no.
24 plates, copper solder	12 l/min	120319101
24 plates, coated	12 l/min	120349101
32 plates, copper solder	16 l/min	120429101
32 plates, coated	16 l/min	120459101
50 plates, copper solder	20 l/min	120539101
50 plates, full stainless steel	20 l/min	120569101

Injection-type circuit for the radiant floor circuit	1285501102
Connections: 2x 1"int. thread x 2x ¾"ext.thread, GF UPM3 Auto L 15-70, mand	latory for floor distribution manifold



Technical data



	Application range	for residential properties with radiator	circuits or the radiant
C C C C C C C C C C C C C C C C C C C	Max. operating pressure	Operating pressure: domestic hot water	max. 10 bar
		Operating pressure: heating system	max. 2.5 bar
	Operating temperature	Operating temperature: heating system	max. 85 °C
Sumanne		Operating temperature: domestic hot water	max. 65 °C
X	Output	Output capacity (10 ->45°C)	12 l/min (≐ 30 kW); 16 l/min (≐ 40 kW); 20 l/min (≐ 49 kW)
		Heating capacity	8.5 kW (when ΔT = 15 K)

Connections		Dimensions	
Domestic hot water supply	3 x ¾" int. thread (flat– sealing and self–sealing)	Base plate station	W = 660 mm, H = 555 mm, D = 100 mm
Heat supply	2 x ¾" int. thread (flat– sealing and self–sealing)	Flush-mounted cupboard	W = 750 mm, H = 685 mm, D = 10 mm
Heating circuit outlets	2 x ¾" int. thread (flat– sealing and self–sealing)	Cover frame (flush-mounted cupboard)	W = 750 mm, H = 555 mm, D = 110 mm
Materials		Wall-mounted cupboard	W = 750 mm, H = 555 mm, D = 150 mm
Base plate / Flush-mounted cupboard	zinc-galvanised steel sheet	Total dimensions cupboard for station + floor distribution manifold	W = 750 mm, H = 1,436 mm
Cover frame, door, base cover	Steel sheets, powder-coated, white (RAL 9016)	Adjustment range of the base	0 - 80 mm
Ball valves, valves and fittings: Domestic hot water circuit	Brass, approved for potable water		
Ball valves, valves and fittings: Heating circuit	Brass, approved for potable water		
Pipes	Stainless steel (1.4401), approved for potable water		
Gaskets	Fibre composite / EPDM / Teflon		
Heat exchanger	Standard: Stainless steel plates; Copper solder more heat exchanger designs: see order table		

PAW-HomeBloC® Basic WRF - Radiator circuit and radiant floor circuit (mixed + unmixed)

Heat exchanger	Volume flow limiter*	ltem no.
24 plates, copper solder	12 l/min	120318101
24 plates, coated	12 l/min	120348101
32 plates, copper solder	16 l/min	120428101
32 plates, coated	16 l/min	120458101
50 plates, copper solder	20 l/min	120538101
50 plates, full stainless steel	20 l/min	120568101

Injection-type circuit for the radiant floor circuit	1285501102
Connections: 2x 1"int. thread x 2x ¾"ext.thread, GF UPM3 Auto L 15-70, mar	ndatory for floor distribution manifold

Rw

	7 ball valves without mounting rail	1280107101
	9 ball valves without mounting rail	1280109101
	7 ball valves with mounting rail	1280207101
	9 ball valves with mounting rail	1280209101
44-4-4448	To shut off the lines during commissioning and maintenance. Marked in colour for easy assignment, DVGW approved, connection side G^{3} " internal thread. Including covering caps to avoid contamination of the ball valves until installation of the station.	
	The ball valves can be ordered with or without mounting rail. When using the mounting rail, the ball valves are mounted to the wall even before the installation of the station. Thus, all pipes can be connected and the system may be set under pressure.	
	Floor distribution manifold 2-fold	1285002101
	Floor distribution manifold 3-fold	1285003101
	Floor distribution manifold 4-fold	1285004101
	Floor distribution manifold 5-fold	1285005101
REFERENCE	Floor distribution manifold 6-fold	1285006101
BEBEBEBE	Floor distribution manifold 7-fold	1285007101
5555555 5555555	Floor distribution manifold 8-fold The PAW heating distribution manifold for radiant floor heating ensures a steady and comfortable heat distribution in the flat.Filling, draining and venting is easily possible.The heating distribution manifold can be mounted in a flush-mounted or a wall-mounted cupboard. The floor distribution manifold is available from a 2-fold version up to a 8-fold version. For the versions WF and WRF, the injection-type circuit is mandatory. Connections: ¾" ext. thread Eurocone	1285008101
	Thermal heat retention	1280301102
	By using the thermal heat retaining, it is possible to achieve a higher hot water convenience during summer operation (no heating operation). The bypass between the heating flow and return maintains the line of the HomeBloC [®] Basic warm, hot domestic water can thus be quickly prepared.	
	Pressure-dependent heat retention	1280303101
	Pressure-depending heat retaining for the installation in a HomeBloC [®] for a higher water convenience during summer operation Pipe set ¾" union nut overflow valve 350 mbar polyamide hose 6 mm, up to 6.5 bar	
	Thermostatic head for radiant floor circuit Thermostatic head with immersion sensor, for assembly with PAW injection-type circuits for floor distribution manifolds, constant temperature control 10 °C - 40 °C, without auxiliary energy	1288602101





Equipment HomeBloC[®] Basic



Injection-type circuit for radiant floor circuit To control the flow temperature and to ensure the supply and heat distribution in the (floor) heating circuits. For the versions WF and WRF, this injection-type circuit is mandatory for the floor distribution manifold.	1285501102
Injection-type circuit for radiant floor circuit To control the flow temperature and to ensure the supply and heat distribution in the (floor) heating circuits. For the versions WF and WRF, this injection-type circuit is mandatory for the floor distribution manifold.	1285501201
Injection-type circuit for radiant floor circuit To control the flow temperature and to ensure the supply and heat distribution in the (floor) heating circuits. For the versions WF and WRF, this injection-type circuit is mandatory for the floor distribution manifold.	1285501301
Controller Alpha Basis STD Plus	13526001
Controller Alpha Basis Comfort	13536001
 Connection unit for single room controls of heating and cooling systems in combination with surface temperature regulation. The power supply of the components is provided directly via the	
Controller, minimised wiring errort. Controller Alpha Basis STD Plus: Designated for the connection of up to 6 room operating units and up to 15 actuators with 230 V~ operating voltage. Controller Alpha Basis Comfort: Designated for the connection of up to 10 room operating units and up to 18 actuators with 230 V~ operating voltage.	
Controller, minimised wiring errort. Controller Alpha Basis STD Plus: Designated for the connection of up to 6 room operating units and up to 15 actuators with 230 V~ operating voltage. Controller Alpha Basis Comfort: Designated for the connection of up to 10 room operating units and up to 18 actuators with 230 V~ operating voltage. Thermoelectric actuator NC, 230 V, with connecting adapter for PAW injection-type circuit Thermoelectric actuator NC, 230 V. The actuator is controlled by a 230 V standard room temperature controller with a 2-point output or a pulse width modulation.	1288601105
Controller, minimised wiring errort. Controller Alpha Basis STD Plus: Designated for the connection of up to 6 room operating units and up to 15 actuators with 230 V~ operating voltage. Controller Alpha Basis Comfort: Designated for the connection of up to 10 room operating units and up to 18 actuators with 230 V~ operating voltage. Thermoelectric actuator NC, 230 V, with connecting adapter for PAW injection-type circuit Thermoelectric actuator NC, 230 V. The actuator is controlled by a 230 V standard room temperature controller with a 2-point output or a pulse width modulation. Flush-mounted cupboard station	1288601105
Controller, Minimised wiring enort. Controller, Minimised wiring enort. Controller, Minimised wiring enort. Controller Alpha Basis STD Plus: Designated for the connection of up to 6 room operating units and up to 15 actuators with 230 V~ operating voltage. Controller Alpha Basis Comfort: Designated for the connection of up to 10 room operating units and up to 18 actuators with 230 V~ operating voltage. Thermoelectric actuator NC, 230 V, with connecting adapter for PAW injection-type circuit Thermoelectric actuator NC, 230 V. The actuator is controlled by a 230 V standard room temperature controller with a 2-point output or a pulse width modulation. Flush-mounted cupboard station For mounting the station, powder-coated in RAL 9016, rotary lock for opening the cover. Flush-mounted version with 110 mm installation depth, height-adjustable, ideal for partition walls. Wall-mounted version with 150 mm installation depth, also height-adjustable. Insulation on request	1288601105 1282001101 1282101101







Flush-mounted cupboard floor distribution manifold	1282601101
Wall-mounted cupboard floor distribution manifold	1286101101
For mounting the floor distribution manifold, powder-coated in RAL 9016, rotary lock for opening the cover.	
Flush-mounted version with 110mm installation depth, height-adjustable, ideal for partition walls. Wall-mounted version with 150mm installation depth, also height-adjustable. Insulation on request.	