

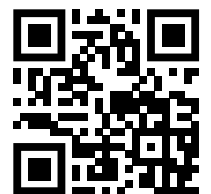


**BoostBloC®**  
Heat pump post-heating module



## **BoostBloC® – DN 25**

Technical data and product information





## BoostBloC® – Heat pump post-heating module

Heat pumps provide sufficient energy at different temperature conditions in order to offer a high heating and hot water convenience. For the case that this is not sufficient, the PAW BoostBloC® is activated and provides additional thermal energy via an instant water heater.

### BoostBloC® post-heating module - for a high heating and hot water convenience

The post-heating module is a preassembled group of fittings for heat pump applications. All electronic components such as the instant water heater or the pump can be isolated by means of the ball valves. They can thus be maintained easily without draining the heating or charging circuit system. The PAW BoostBloC® is mounted directly at the wall and serves to post-heat a storage tank. The system can be extended by further components as a domestic hot water module or a heating distribution manifold.

The station requires an additional controller and is normally actuated by the heat pump controller.

It is connected to the external controller via the enclosed small distribution manifold.

Via a post-heating request (230 V) of the controller, the power contactor is actuated, which is integrated in the small distribution manifold. In the type with contactor, there is no power control; only the one preset power (8.8 kW) of the tubular heating element is actuated.

Depending on the controller and connection type, the pump can be connected simultaneously to the heat generator or separately.

For an independent valve control of the integrated flow stratification, a continuous phase as well as a further switch contact are required.

## Application ranges BoostBloC® DN 25:

- Post-heating at low flow temperatures (e.g. for solar thermal systems)
- Air-to-water heat pumps, for very low outdoor temperatures
- Absorbing of peak loads in the consumer circuit
- Optionally for the thermal disinfection of domestic water installations in combination with heat pumps

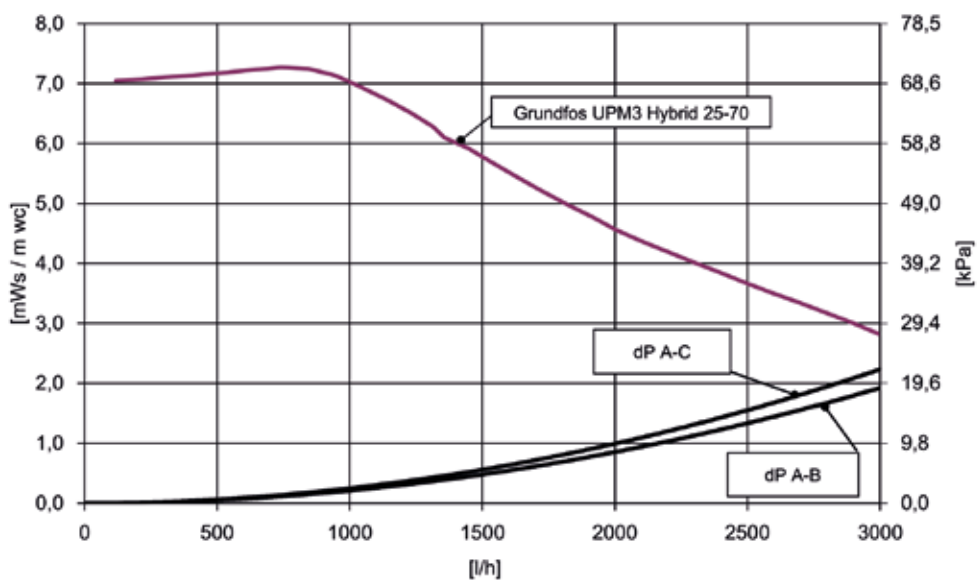
**Technical data**

<b>Hydraulic connections</b>	
Flow / return consumer	1" int. thread
Flow / return heat pump	1" int. thread

<b>Electrical connections</b>	
Heating cartridge	3 x 230 V, 50 Hz, AC-1; P1=2600 W; P2 = 3000 W; P3 = 3200 W
Pump	1 x 230 V, 50 Hz, P1 = 52 W, I1 = 0.52 A
External control	PWM A/C signal
Internal control	PP/CP/CC/AA
Actuator	230 V, 50 Hz, P1 = 9 W, 2 point

<b>Dimensions</b>	
Nominal diameter	DN 25
Width	370 mm
Height	520 mm
Depth	190 mm
Installation length	453 mm

<b>Materials</b>	
Ball valve	Brass
Return pipe	Steel
Seals	AFM 34
Cover	Polystyrene
Insulation	Armaflex



**NEW**

### Advantages BoostBloC® – DN 25:

- ✓ Pump group adapted to the requirements of a heat pump
- ✓ Integrated electrical post-heating to ensure the heat supply
- ✓ Maximum safety thanks to safety temperature limiter
- ✓ Fast-acting three-way valve with constant flow, even in the switching process
- ✓ Flexible pump control via PWM signal or relay (hybrid pump)
- ✓ Additional emergency heating in case of malfunction



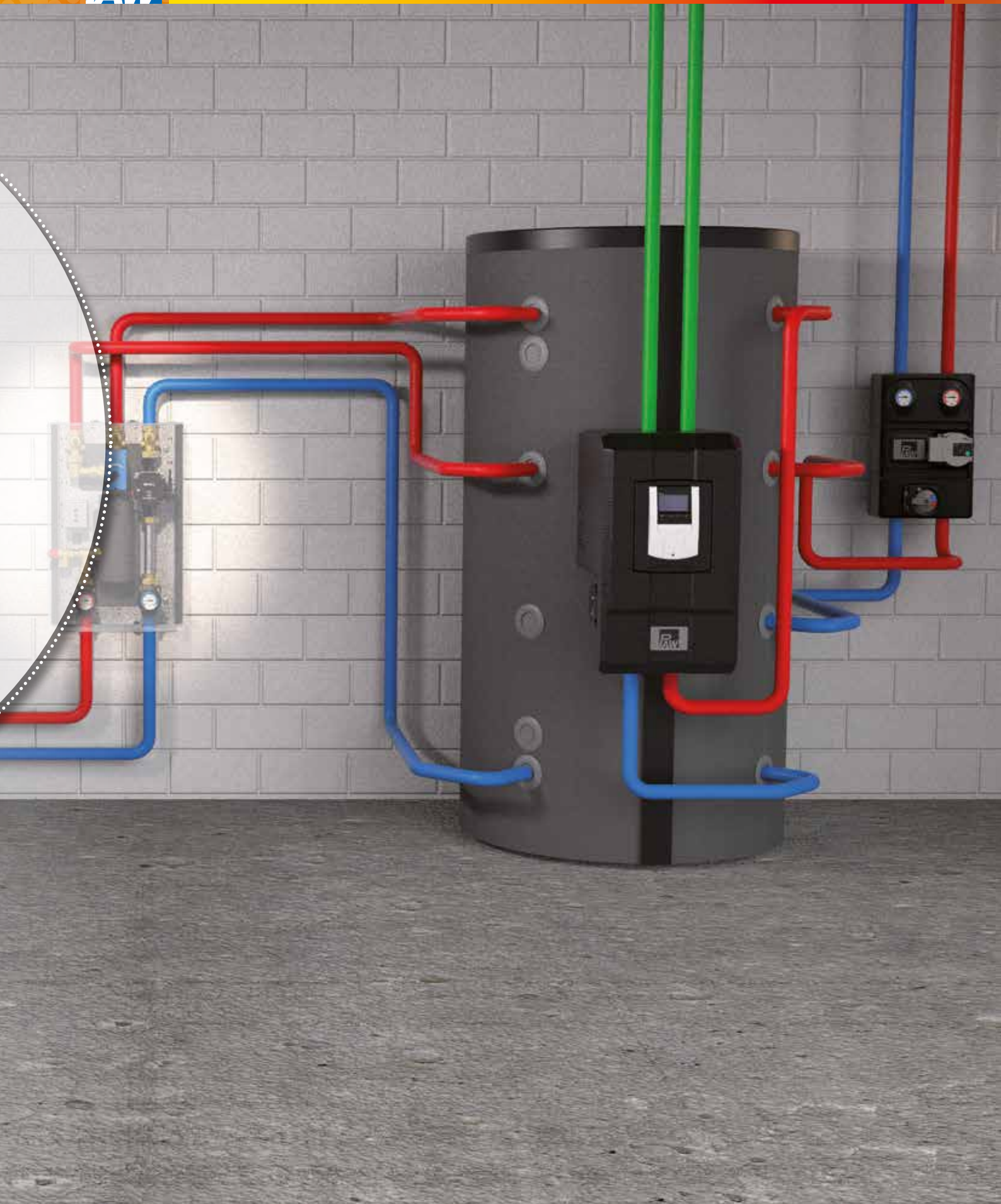



Illustration		Item no.
	<p><b>BoostBloC – DN 25</b></p> <p>Pump: <b>Grundfos UPM3 Hybrid 25-70</b>            Other pump versions on request.</p>	<p><b>67410GM6</b></p>





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