

Additional system heater Boatswain LED and HP



Ideal as a peak heat source in systems with heat pumps



Independent heat source in C.H. installation

e.g. while waiting for heat pump or any other source of heat installation



Ideal for collaboration with PV systems in combination with:



Ideal for working with gas and solid fuels boilers

as an alternative heater e.g. if no gas or fuel is temporarily available



Ideal for working with a gas boiler

Boiler energy consumption counter switches the gas boiler on if the energy consumption limit sent on Boatswain LED panel ends



Built-in kWh
countdown
meter



Maximum
power lock



NO/NC
contact 0V



PID
PID on/off

**PV
Ready**

Boatswain
LED

Complete products
catalogue



Price list



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Boatswain LED and Boatswain HP



model	maximum power	code LED	code HP	heaters	one phase feed	two phase feed	three phase feed
Boatswain 3	3 kW	234003	244003	1 + 1 + 1 kW	1, 2 i 3 kW	2 kW (1+1 kW)	3 kW
Boatswain 6	6 kW	234006	244006	2 + 2 + 2 kW	2, 4 i 6 kW	4 kW (2+2 kW)	6 kW
Boatswain 8	8 kW	234008	244008	2,7 + 2,7 + 2,7 kW	2,7 i 5,4 kW	5,4 kW (2,7+2,7 kW)	8 kW

control package LED

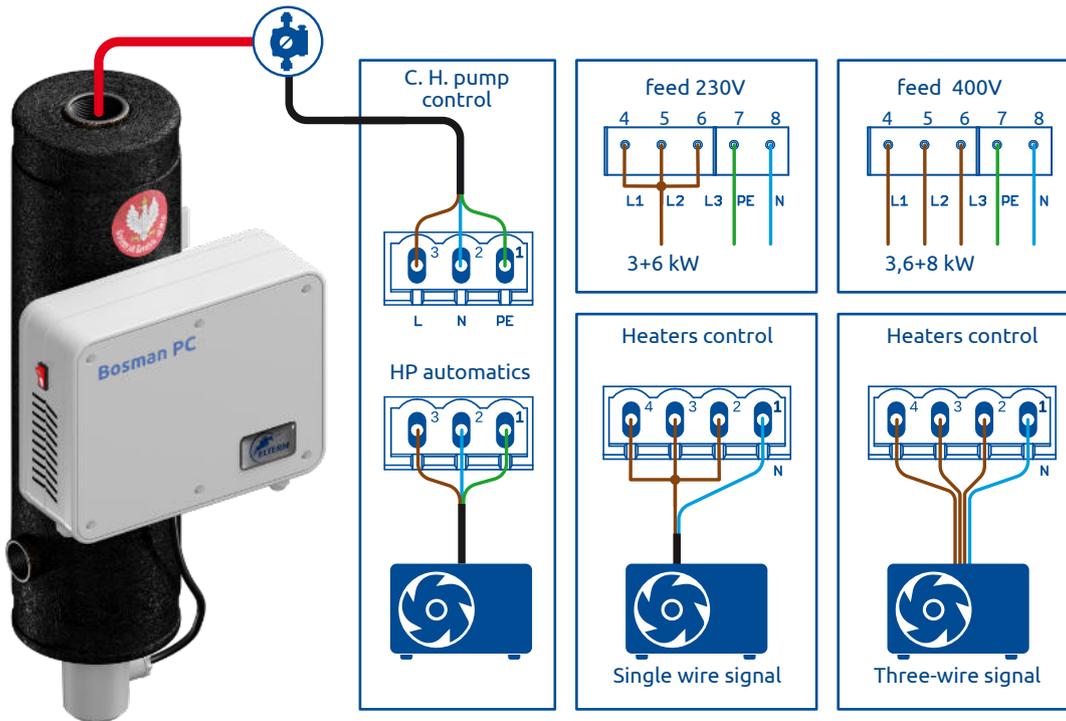
code 234000

Boatswain LED control panel compatible with Boatswain HP

Power supply 230/400V	1 kW	2,7 kW	3 kW	3 kW	4 kW	4 kW	5,4 kW	5,4 kW	6 kW	6 kW	8 kW
	1 phase	1 phase	1 phase	2 phases	1 phase	2 phases	1 phase	2 phases	1 phase	3 phases	3 phases
Fuses (A)	1 x 6	1 x 16	1 x 16	2 x 6	1 x 20	2 x 10	1 x 25	2 x 16	1 x 32	3 x 10	3 x 16
Power cord (mm ²)	3 x 1,5	3 x 2,5	3 x 4	5 x 1,5	3 x 4	5 x 2,5	3 x 4	5 x 2,5	3 x 4	5 x 2,5	5 x 2,5

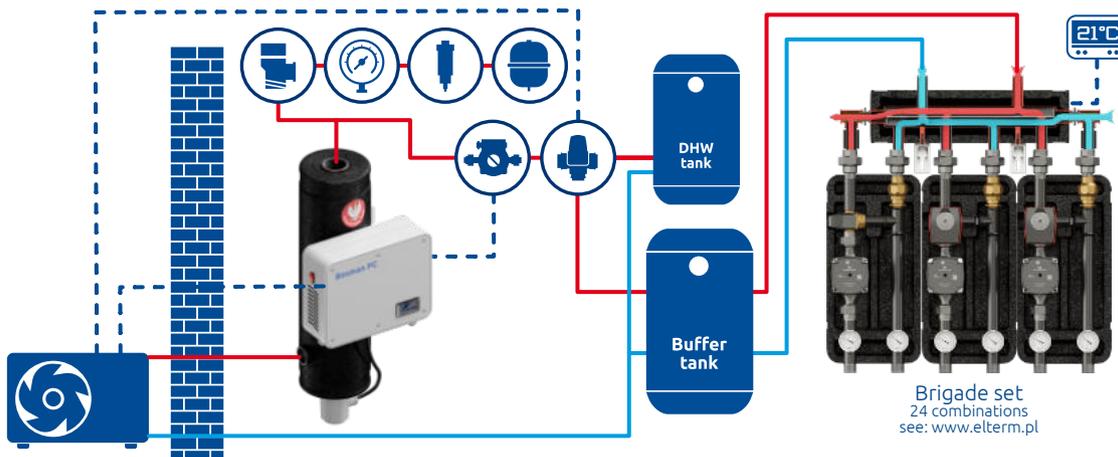
Boatswain HP exclusively for cooperation with heat pump - peak heat source control signal required

Boatswain HP electronics control the switching on of heaters and central heating pumps.



energy efficiency class D

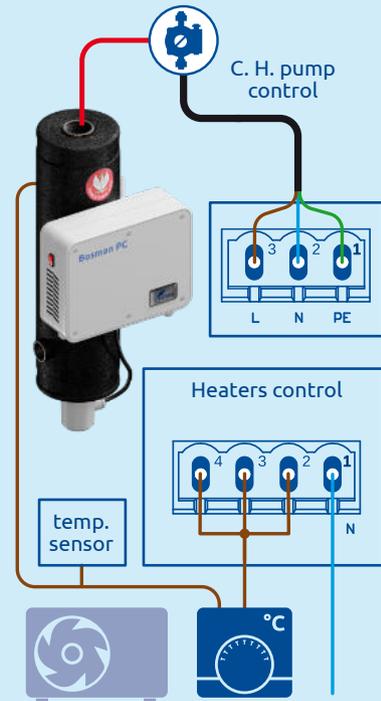
Monoblock heat pump + Boatswain HP heater



Brigade set
24 combinations
see: www.eterm.pl

Temporary HP malfunction

1st option: capillary thermostat



2nd option:
installation of control panel
with Boatswain LED -
compatible with
Boatswain HP automation
control panel LED- code 234000



Boatswain LED



Independent heating device C.H. installation

e.g.: waiting for heat pump installation or other heat source

required equipment in the central heating

- expansion vessel
- axial manometer
- pump
- safety valve
- automatic air vent

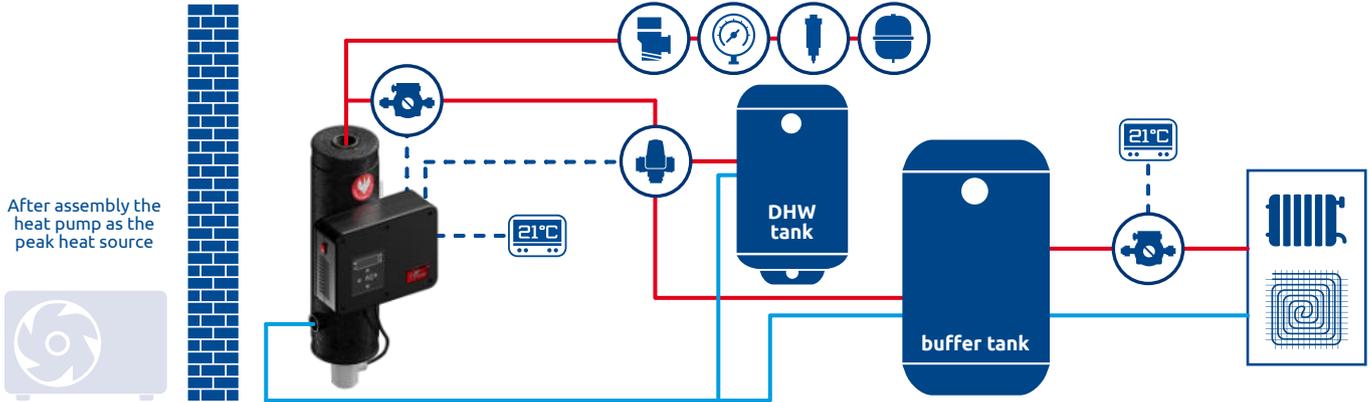
OPTION

DHW package code 100003

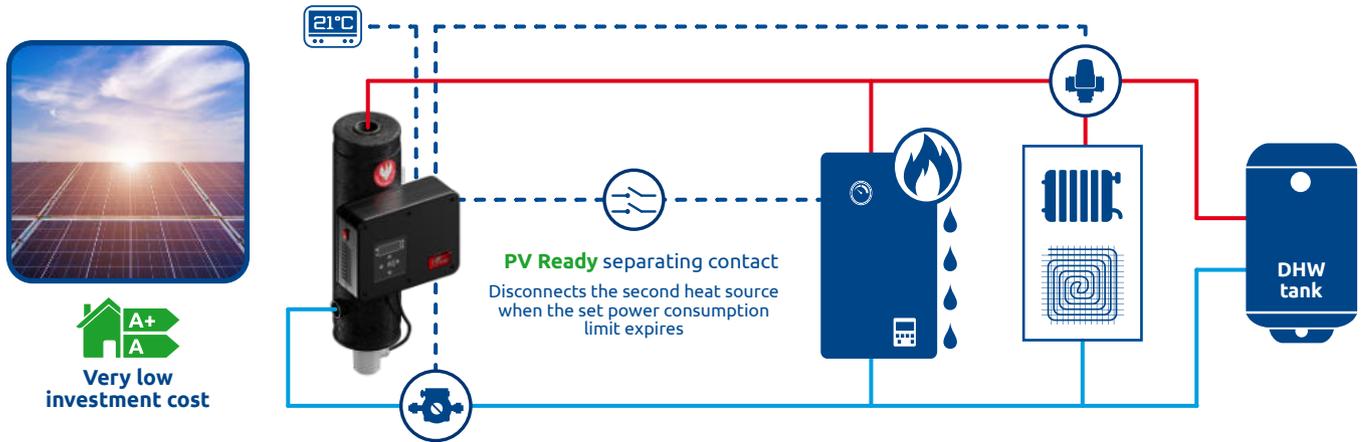
- electro valve three-way + actuator
- Priority DHW on/off
- DHW temperature sensor for tank

1		C.H. pump	Controls the C.H. pump time delay.	5		PV Ready	counter for the work of the heater	<ul style="list-style-type: none"> counter for the work of the heater stop heating the ability to adjust the power consumption work stop signalling heater
2		PV Ready	Ability to cooperate with: <ul style="list-style-type: none"> any voltage-free room regulator 0V automation of another heat source or inverter 	6		PV Ready	Maximum power lock	Adjusting the power of the heater to PV installation (function available on the heater panel).
3	230 V	control output 230V	Option: Peak heat source enables connection of individual heaters - priority heating	7		PV Ready	PID on/off	Regular load of phase work heater (operation with PID function or without PID)
4		PV Ready	Disconnects the second heat source when electric heater turn on. Turns on a second source when the set power limit expires	8			DHW set	Priority heating at full strength electro valve three way, actuator, sensor tray.

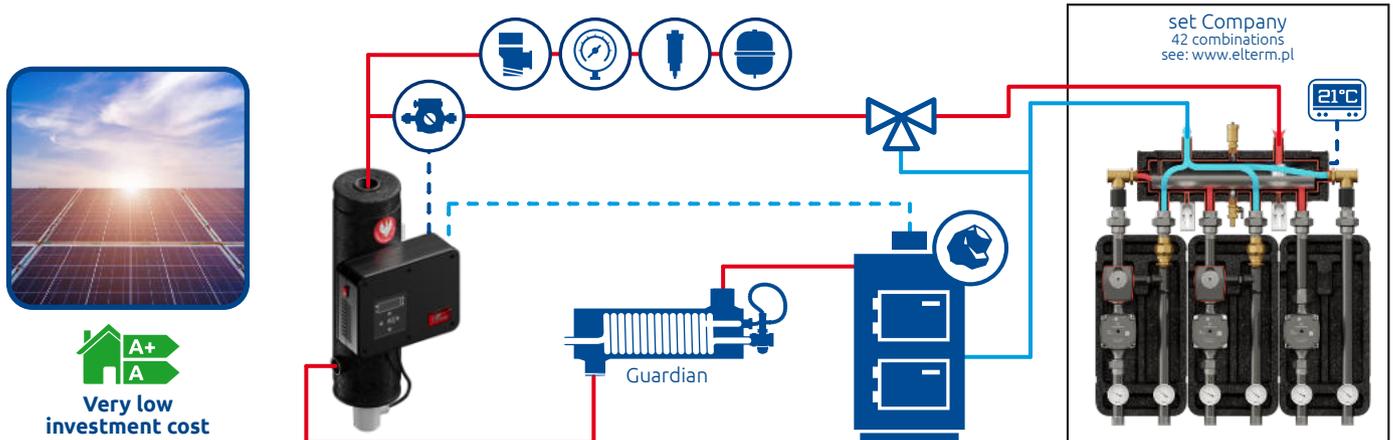
Variant 1: as an independent unit awaiting the installation of a heat pump or other heat source.



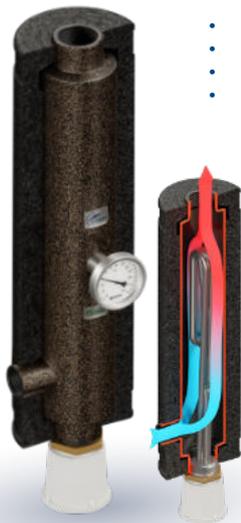
Variant 2: gas boiler + Boatswain LED



Variant 3: solid fuel boiler + Boatswain LED



Central heating system Rifleman



- Ideal as an alternative heat source in PV systems
- Built-in electric heater with thermostat
- Anti-freeze system
- Smooth control of water temperature
- Emergency switch reset

Rifleman / 400V

4,5 kW / 400 V	Rifleman 400/4
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product code	214004
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6 kW / 400 V	Rifleman 400/6
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product code	214006
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Rifleman / 230V

2 kW / 230 V	Rifleman 230/2
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product code	212302
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3 kW / 230 V	Rifleman 230/3
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product code	212303
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energy efficiency class D

Central heating system Rifleman PRO with hydraulic balancer function



Rifleman PRO / 400V

4,5 kW / 400 V	Rifleman PRO 400/4
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product code	224004
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6 kW / 400 V	Rifleman PRO 400/6
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product code	224006
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Rifleman PRO / 230V

2 kW / 230 V	Rifleman PRO 230/2
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product code	222302
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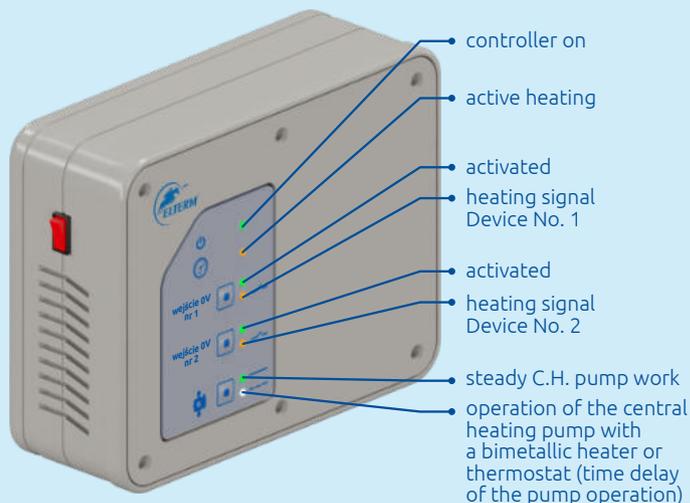
3 kW / 230 V	Rifleman PRO 230/3
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product code	222303
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energy efficiency class D

Navigator

to control the heater of the heating system. Rifleman, Rifleman PRO or an electric heater with a bimetallic switch



Technical Data:

- supply voltage 230V (3x230V)
- maximum coil power 3 x 2 kW
- x2 voltage-free O V input
- dimensions: 225 x 175 x 80 mm

product code	811001
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Rifleman PRO

Universal connection - 5 variants

