

Gebwell G-Power® substation unit for detached and semi-detached houses

– Reliable heating for the small properties

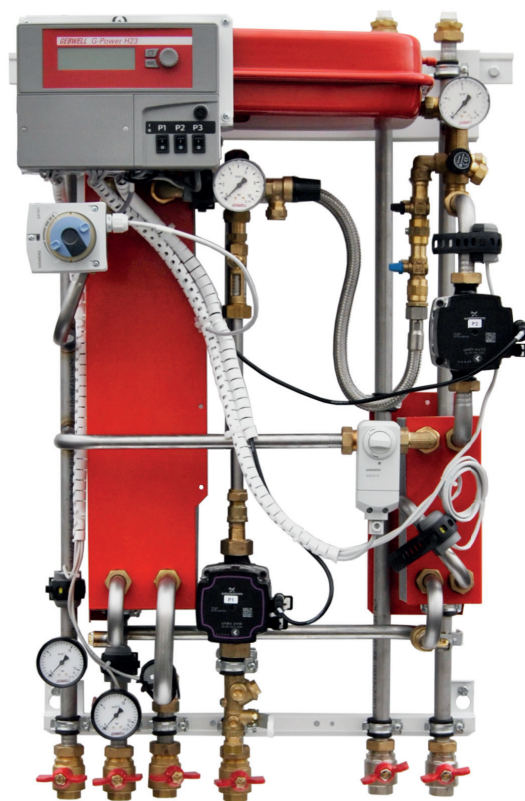
G-Power is the perfect solution for connecting single-family houses to district heating network. G-Power is applicable for new build as well as refurbishing and it can be used along with both radiator and under-floor heating.

District heating substation G-Power is a simple, carefree and reliable heating system ensuring stable, pleasant and comfortable room temperature and sufficient supply of domestic hot water.

A substation with two circuits is independent system for heating supply and hot water preparation. The third additional circuit in three-circuit substations can be used to heat wet rooms all year round regardless of the heating need of the other rooms, for example.

G-Power is light and compact of structure and neatly polished of appearance. The design and realization seek to ease the installability and usability, which are at an outstanding level in G-Power, making it the best choice.

- Manufactured in Finland
- Light weight and compact design
- Excellent control automation
- A energy class drive pumps
- Easy to install and maintain
- Neat appearance
- Stainless steel pipes



Standard equipment

- Electronic regulators for regulating the heating circuit
- Heating circulation pump
- Domestic hot water circulation pump
- Brazed plate heat exchangers for heating and domestic water
- Plug for electrical connection
- Control centre with operation switches for pumps
- Shut-off and safety valves, fill-up valve and feed valve for domestic hot water
- Pressure gauges
- Expansion tank
- Shut down thermostat for heating circulation pump
- The primary circuit equipment has been integrated into the substation

Accessories

- Differential pressure controller if required by location conditions
- GSM-modem for remote monitoring and control (Ouman automatics)
- Pressure shock damper to compensate possible pressure shocks in domestic hot water system

Installation

G-Power district heating substations feature excellent installability. The substations include a wall mounting kit. The substation piping is connected to district heating network and to heating and domestic water circuits.

- The secondary piping of the substation can be connected either from the top or the bottom.
- The substation is connected to the electrical network with a plug, and the external sensor is connected to the control centre with a plug connection.

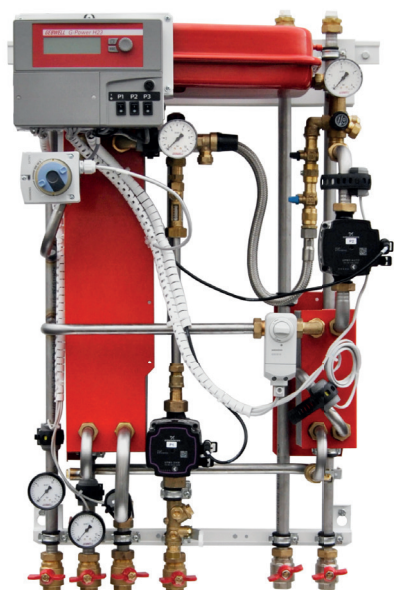
Gebwell G-Power®	GTIN (64158..)	DHW, kW	Radiator heating, kW		Under floor heating, kW			Dimensions, mm	Weight, kg
	Primary Secondary	70-20°C / 10-58°C	115-63°C / 60-80°C	115-43°C / 40-70°C	115-33°C / 30-39°C	115-33°C / 30-37°C	115-33°C / 30-35°C	D x W x H	kg
2/100 A/B	53220064/71	60	20	14	21	16	11	440 x 560 x 1000	40
2/150	53220156	100	30	21	22	17	12	440 x 560 x 1000	40
3/100 A/B	53220026/88	60	20	14	21	16	11	440 x 560 x 1000	50
2/200	53220095	120	30	40	39	30	21	510 x 620 x 1100	55

G-Power markings

G-Power 2/100

2/3	number of circuits
100	Power class: detached houses
150	Power class: semi-detached houses
200	Power class: semi-detached and terraced house

- All the substation can be connected to radiator or underfloor heating
- Valve sizes:
A DHW: 1,6 and heating 0,4
B DHW: 1,2 and heating 0,25
- 3/100 3. circuit dimensioning according to the max.power of 30-39°C temperature programme



G-Power 2/100



G-Power 2/200