

Gebwell G-Power® substation unit for 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.

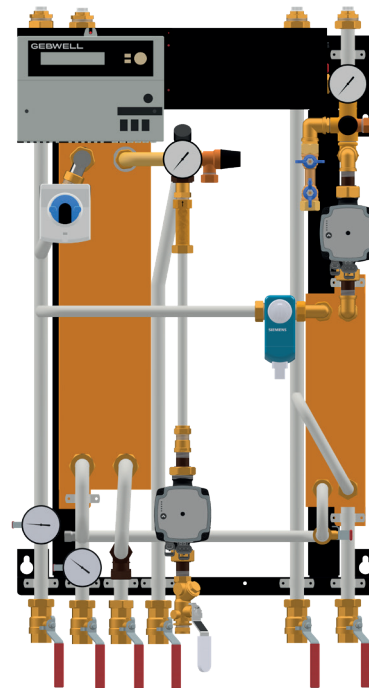
A substation with two circuits is independent system for heating supply and hot water preparation. The third additional circuit in three-circuit substations can be used to heat wet rooms all year round regardless of the heating need of the other rooms, for example.

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 an excellent choice.

- Manufactured in Finland
- Light weight and compact design
- Excellent control automation
- A energy class circulation 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



G-Power 2/100 and 2/150

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.

G-Power substation can be connected to district heating network and to heating network either from bottom or top. Cold water supply, domestic hot water and hot water circulation are connected from below. 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.

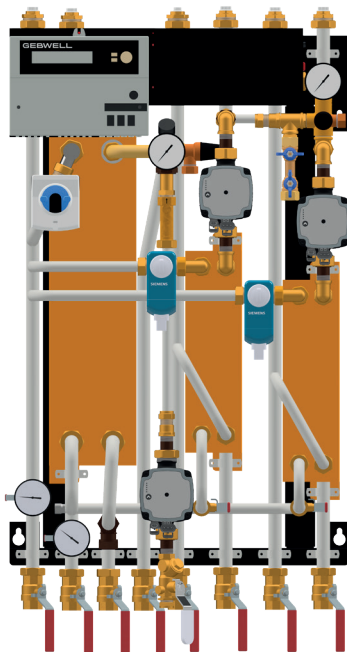
Gebwell G-Power®	GTIN (64158..)	DHW, kW	Radiator heating, kW		Under floor heating, kW			Dimensions, mm D x W x H	Weight, kg kg
			Primary Secondary	70-20°C / 10-58°C	90-63°C / 60-80°C	90-43°C / 40-70°C	90-33°C / 30-39°C		
2/100H A/B	53220064/71	60	15	18	21	16	11	460 x 560 x 1000	38
2/150H A/B	53220149/56	100	15	18	21	16	11	460 x 560 x 1000	41
3/100H A/B	53220026/88	60	15	18	21	16	11	460 x 560 x 1000	51
3/150H A/B	53220170/87	100	15	18	21	16	11	460 x 560 x 1000	54
2/200	53220095	120	31	50	22	17	12	500 x 760 x 1200	55

G-Power markings

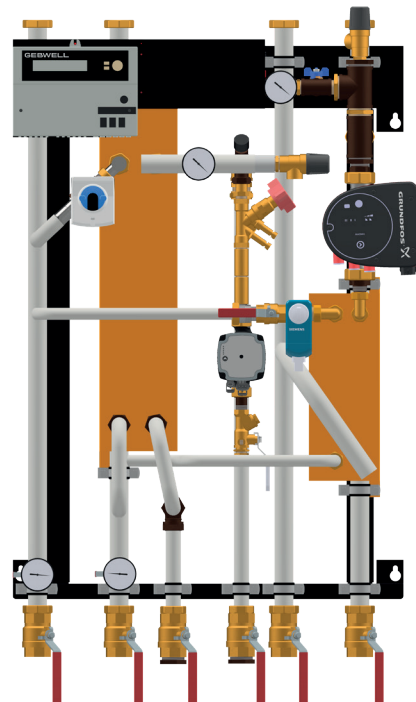
G-Power 2/100 H A

- 2/3 number of circuits
- 100 Power class: detached houses
- 150 Power class: semi-detached houses
- 200 Power class: semi-detached and terraced house
- H Hexonic heat exchangers
- A/B Valve size:
 - A DHW: 1,6 and heating 0,4
 - B DHW: 1,0 and heating 0,25

- All the substation can be connected to radiator or underfloor heating
- The 3. circuit dimensioning on 3/100 and 3/150 are according to the maximum power of 30-39C temperature programme



G-Power 3/100 and 3/150



G-Power 2/200