

Gebwell G-Power® district heating substation

– Reliable heating for large properties

G-Power is prefabricated substation unit for safe connection of buildings to district heating. G-Power is applicable both for new build and refurbishing. It is effective solution that ensures stable and comfortable indoor temperature and sufficient hot water supply.

G-Power may have one or multiple circuits. Substation unit has a light and compact structure and neatly polished appearance. The design and realisation seek to ease the installability and usability, which are at an outstanding level in G-Power, making it the best choice there is.

G-Power substation units manifest long-term experience, uncompromising quality standards, and production efficiency. Application with high quality components of world famous brands ensures lower operating costs and durability. Strict quality control is present at all stages of production – all units are tested in factory conditions and ready for use. Due to adjustable base substation unit can be installed directly on the floor. After connection to district heating, building circuits, electricity supply, outdoor temperature sensor and connections for the necessary external controls and alarms – system is ready for operation.

Equipment

The standard factory-made G-Power substation unit with two circuits includes:

- Insulated brazed or openable plate heat exchangers
- Electronic actuators for control of heating and domestic hot water circuits
- Circulation pumps for each circuit
- Shut-off and balancing valves
- Strainers
- Fill-up valve for heating system, feed valve for domestic cold water and valves for hot water circulation pump
- In Gebwell deliveries with automation included, pressure transmitter is included as standard
- Ready-made internal electrical connections
- Pump control centre including the main switch, motor protection switches, signal lights, alarm contacts and the controller

Accessories

- Heat meter
- Water meter
- Thermometers
- Connection assembly set for primary circuit
- Deaerator
- Room temperature sensor
- Safety valves for heating network
- Differential pressure controller
- Expansion tank
- Sidestream filter
- Extra mixing circuit for A/C or underfloor heating, for example
- And other accessories



- Manufactured in Finland
- Light weight, compact design
- Easy hauling, installation and maintenance
- High quality components
- Plate heat exchangers, heat delivery surface plates made of acid resistant steel
- Electronic controllers for heat control

Technical values

Design pressure	PN 16 (PN 25)
DH inlet temperature	Tmax = 120°C (150°C)
Electrical supply	230/400 VAC
Approvals	CE label in accordance with the requirements of pressure equipment directives PED 97/23/EC EAC (EurAsian Conformity Mark)