

Gebwell G-Power® Compact district heating substation

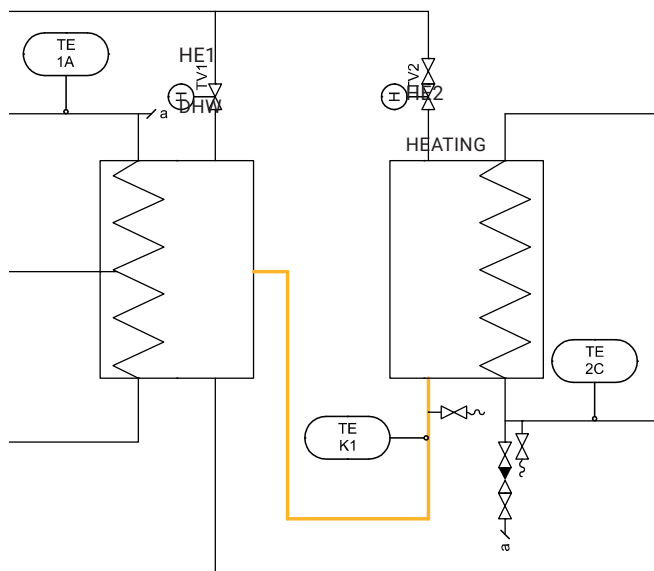
– Compact district heating substation with a 2-stage DHW heat exchanger

G-Power Compact is a floor-mounted district heating substation for installation next to a wall, including a 2-stage heat exchanger for heating domestic water. G-Power Compact is suitable for connecting row houses and blocks of flats to a district heating network. The product can be installed in new buildings or retrofitted during renovations.

Thanks to its compact size, the G-Power Compact district heating substation is also suitable for small utility rooms. The G-Power Compact heating substation requires an installation space just 1,000 mm wide and 600 mm deep. The primary connections point downwards, and the secondary circuit connections point upwards.

The 2-stage heat exchanger for domestic hot water enables a post-cooling connection, also known as an intermediate supply connection, which uses the temperature of the district heating water returning from the heat exchanger to alleviate heat loss in the district heating water

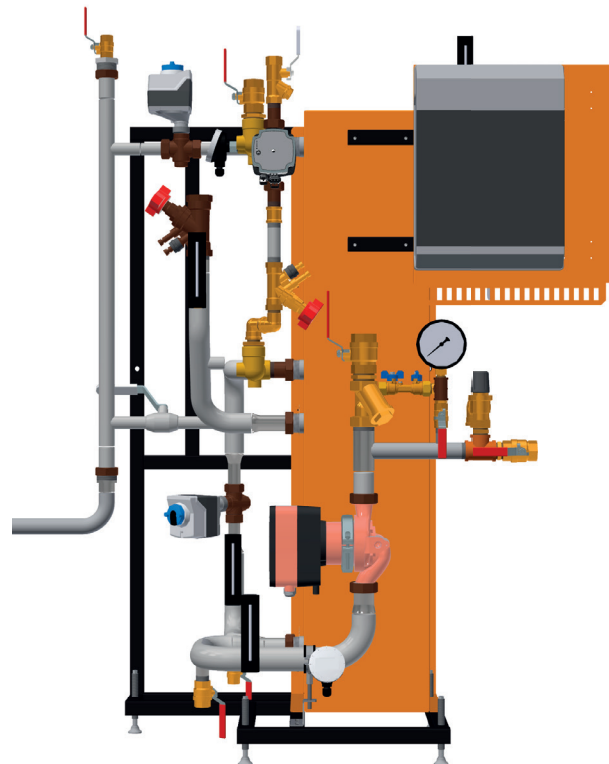
Post-cooling/intermediate supply connection



Standard equipment

The following come as standard in the factory-ready dual-circuit G-Power Compact district heating substation:

- Brazed and insulated plate heat exchangers
- Electronic actuators to control the heating network and hot domestic water
- Heating and domestic hot water circulation pumps
- Shut-off and balancing valves
- Dirt separator
- Filling valve for the heat supply network, supply valve for cold domestic water, and valves for the hot water circulation pump
- Gebwell deliveries that include automation also come with a pressure transmitter as standard
- Internal electrical connections
- Pump control centre, including a master switch, motor protection switches, indicator lights, alert contacts, and a controller



- 2-stage domestic hot water heat exchanger
- Wall-adjacent installation
- Easy to haul, install and maintain
- High-quality components
- Specially designed for small utility rooms
- Manufactured in Finland

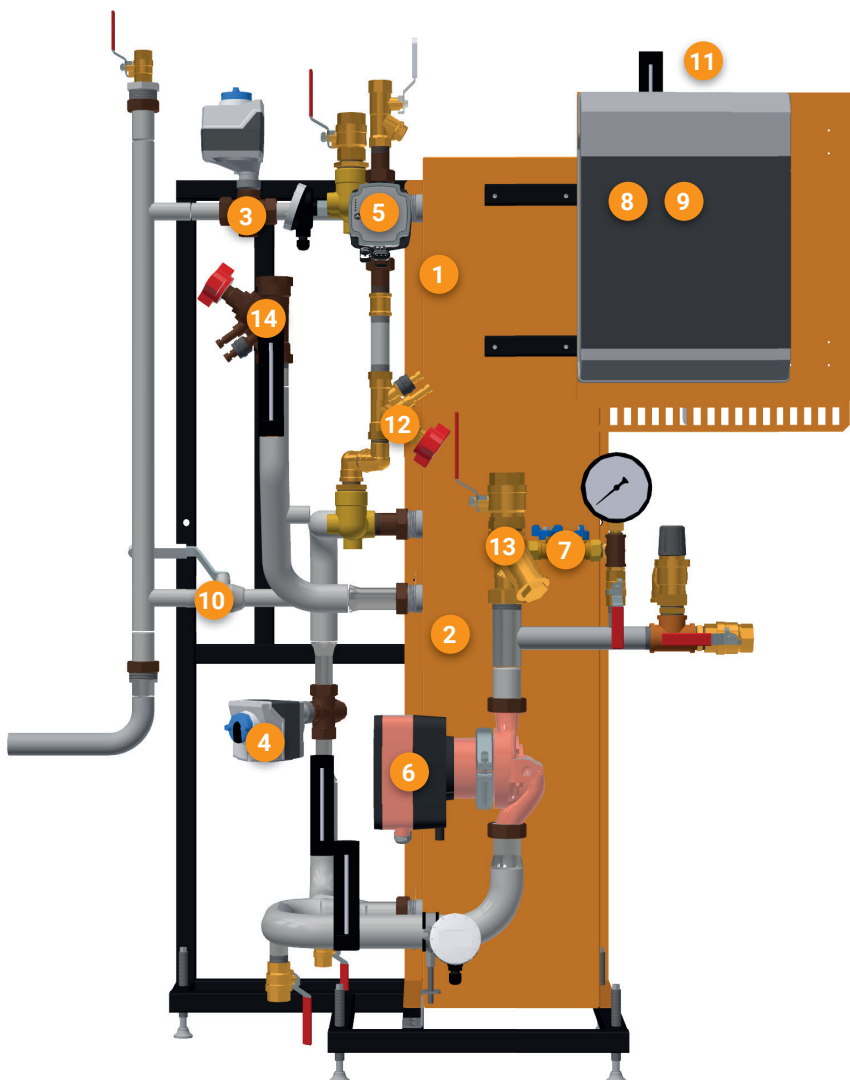
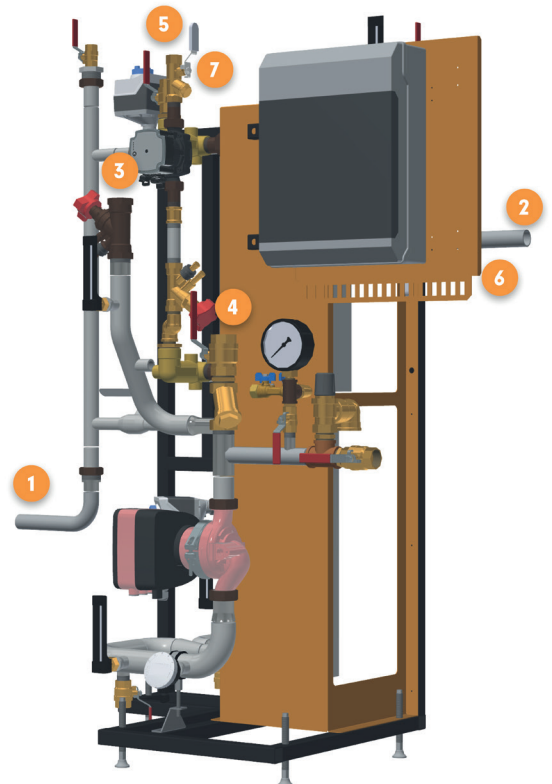
Technical specifications – G-Power® Compact

	Power class
Domestic hot water	120–250 kW
Underfloor heating (30–35)	12–55 kW
Radiator heating (30–60)	70–190 kW
Dimensions	
Depth	600–650 mm
Width	980–1,050 mm
Height	1,450–1,550 mm
Weight	100–150 kg
Automation options	Ouman or Siemens
Control valve options	Ouman or Siemens
Accessories	
Differential pressure controller	Supplied separately
Water meter	Supplied separately
Structural pressure	16 bar
District heating supply temperature	Tmax = 120°C
Power supply	230 VAC
Approvals	CE-marked in accordance with the Pressure Equipment Directive PED 2014/68/EU

G-Power Compact connections and components

G-Power Compact connections

1. District heating supply
2. District heating return
3. Heating supply
4. Heating return
5. Domestic hot water
6. Cold water supply
7. Domestic hot water circulation



G-Power Compact components

1. Domestic hot water heat exchanger, LS1
2. Heating heat exchanger, LSS
3. Domestic water control valve, TV1
4. Heating control valve, TV2
5. Circulator pump, domestic hot water
6. Circulator pump, heating
7. Heating circuit filling valve
8. Controller
9. Control centre
10. Summer shut-off valve for heating
11. Domestic hot water maintenance shut-off valve
12. Domestic hot water circulation balancing valve
13. Heating dirt separator
14. Heating balancing valve