Cowa COMPACT Cell SH

The buffer storage for your heating system

Our buffer storage is specially designed to meet the requirements of modern heat pump systems. Thanks to the intelligent combination of high storage efficiency and space-saving design, it optimizes heat use and ensures a reliable, sustainable energy supply.

Product Features:

✓ **Space-saving design** – Only 600 mm x 340 mm x 1400 mm
✓ **High storage capacity** – 10 kWh of thermal energy
✓ **Energy efficient** – Minimal heat loss, high efficiency
✓ **Modular & expandable** - easy integration into existing systems
✓ **Optimized for heat pumps** – Perfect match with modern heating systems

- Compact gas replacement
- Buffer storage for heat pumps
- Integration into district heating systems
- Peak load management
- Self-consumption optimization

Key Features:

- Stratification-free
- Temperature stability
- Physical separation of primary & secondary circuit
- Integrated high-performance dual heat exchanger
- Cubic design for optimal space utilization

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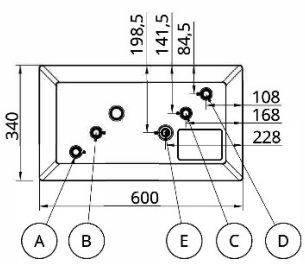
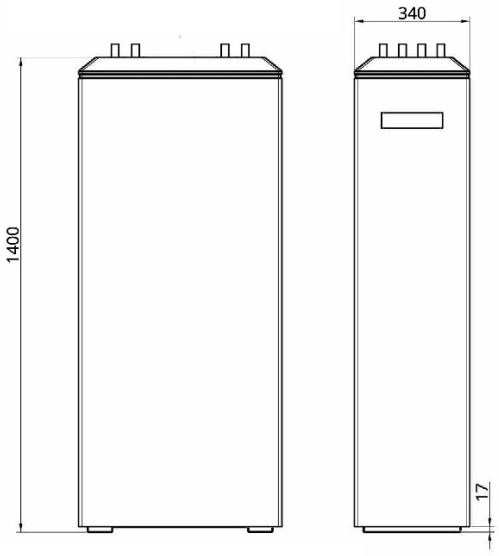
COMPACT Cell SH		48	58
Height	mm	1400	1400
Width	mm	600	600
Depth	mm	340	340
Weight	kg	262	250
Capacity[1] fully charged to 55°C/65°C	kWh	10 / 12	- / 13
Capacity per m^3	kWh/m^3	70	75
Storage equivalent fully charged	L	350	350
Storage equivalent modulating operation	L	75	75
Discharge temperature	°C	45	55
Energy label[2]		B	B
Possible volume flow	L/min	25	25
Pressure drop at max. volume flow	kPa	18	18
Minimum operating pressure	bar	1.5	1.5
Maximum operating pressure	bar	6	6
Maximum operating temperature	°C	75	75
Compatible heat pumps		Standard HP	R290, R454 C
Min. flow temperatur	°C	57	65
Min. return temperatur	°C	52	60

[1] Storage capacity measured from charge state > 55°C resp. >65°C to temperature at outlet < 25°C.
[2] Calculated at an average storage temperature of 60°C and ambient temperature of 15°C

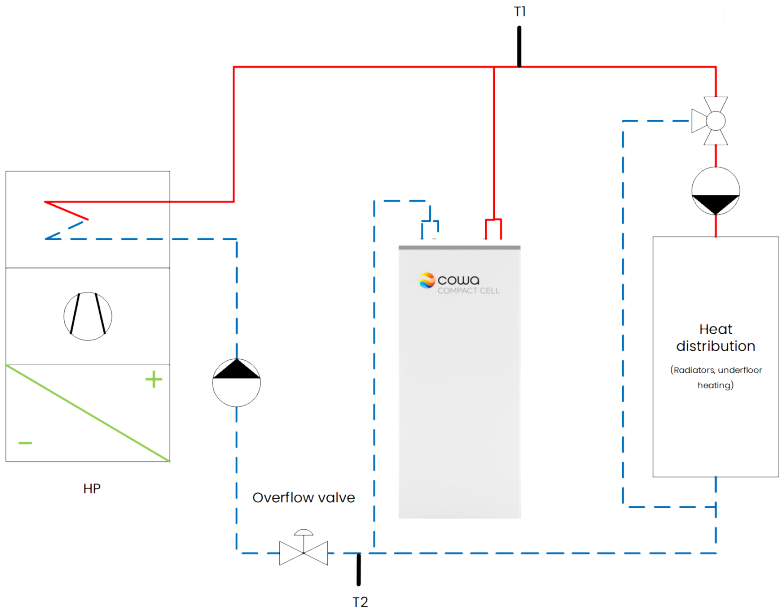
Dimensions & Connections





Flow connection	A & B	22mm
Return connection	C & D	22mm

Hydronic integration into the heating system



The Cowa COMPACT Cell can be modularly expanded to achieve the desired capacity.

For further information on application and integration, please refer to the installation and operating manual.