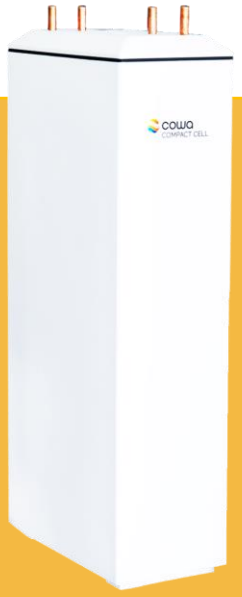
Cowa COMPACT Cell 58

The most compact solution for efficient domestic hot water preparation in modern heating systems.

Thanks to Cowa's thermal storage technology based on phase change materials (PCM), cold water is heated on demand using the tankless principle, enabling a design up to five times more compact than conventional hot water storage tanks.



Product Features:

✓ **Space-saving design** – Only 600 mm x 340 mm x 1400 mm
✓ **High performance** – 25 L/min flow rate
✓ **High storage capacity** – 13 kWh of thermal energy
✓ **Energy efficient** – Minimal heat loss, high efficiency
✓ **Optimized for heat pumps** – Perfect match with modern heating systems
✓ **Hygienic & safe** – No stagnant water, no risk of Legionella
✓ **Efficient hot water supply** – Tapping volume of up to 380 liters

- Most compact thermal heat storage
- Fresh water systems / hygienic storage tanks
- Use with heat pumps
- Compact gas replacement
- Internal building circulation
- Self-consumption optimization
- Integration into district heating systems
- Peak load management

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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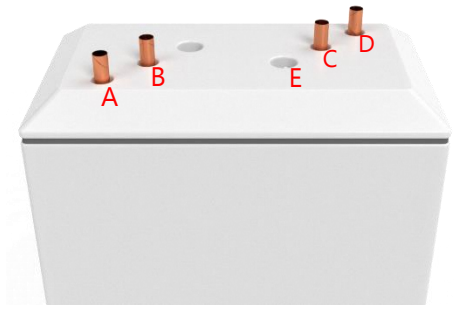
COMPACT Cell 58

Height	1400	mm
Width	600	mm
Depth	340	mm
Weight	250	kg
Storage capacity[1]	13	kWh
Storage capacity per m^3	75	kWh/m^3
Draw-off volume V40	380	L
Discharge temperature	55	°C
Energy label[2]	B	
Possible water flow rate	25	L/min
Pressure drop at max. flow rate	48	kPa
Minimum operating pressure	1.5	Bar
Maximum operating pressure	6	bar
Maximum operating temperature	75	°C
Compatible heat pumps	R290	R454 C
Min. supply temperature	65	°C
Min. return temperature	60	°C

[1] Storage capacity measured from a charge level > 65 °C to an outlet temperature < 40 °C.
[2] Calculated at an average storage temperature of 60 °C and an ambient temperature of 15 °C.

Heat pump connection



A: Supply line of charging circuit
B: Domestic hot water outlet
C: Cold water inlet
D: Return line of charging circuit
E: Temperature sensor port

Hydronic integration into the heating system