Cowa COMPACT Cell 48

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:

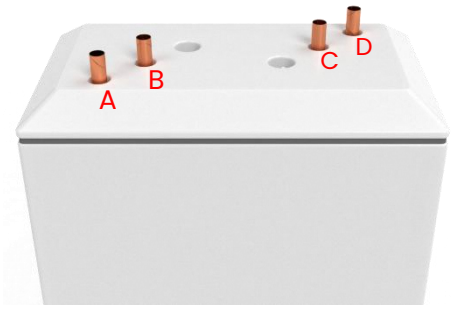
- Stratification-free
- Temperature stability
- Physical separation of primary & secondary circuit
- Integrated high-performance dual heat exchanger
- Cubic design for optimal space utilization

© **Cowa Thermal Solutions AG**
Technopark Luzern Platz 4
6039 Root D4, Switzerland
info@cowa-ts.com | www.cowa-ts.com

Last updated: 23.06.2025 | V1.0

COMPACT Cell 48		
Height	1400	mm
Width	600	mm
Depth	340	mm
Weight	262	kg
Storage capacity[1]	10	kWh
Storage capacity per m³	60	kWh/m³
Storage equivalent with phase change	290	L
Storage equivalent without phase change	75	L
Discharge temperature	45	°C
Energy label[2]	B	
Possible water flow rate	25	L/min
Pressure drop at max. flow rate	18	kPa
Minimum operating pressure	1.5	Bar
Maximum operating pressure	6	bar
Maximum operating temperature	75	°C
Min. supply temperature	57	°C
Min. return temperature	52	°C

Connection of supply and return



A&B: Flow
C&D: Return flow

[1] Storage capacity measured from a charge level > 55 °C to an outlet temperature < 25 °C.
[2] Calculated at an average storage temperature of 50 °C and an ambient temperature of 15 °C.

Hydronic integration into the heating system