





# Cowa COMPACT Cell 48/58 Combi



## The most compact combi storage in the world

The Cowa COMPACT Cell Kombi combines domestic hot water and heating buffer cylinders in a compact, modular system. This intelligent combination saves space, reduces installation costs and ensures an efficient and reliable heat supply.

#### **Produkteigenschaften:**

- ✓ Space saving design Only 600 mm x 680 mm x 1400 mm
- √ High performance 25 I/min flow rate
- √ High storage capacity 24 kWh of thermal energy
- ✓ Energy efficient Minimal heat losses, 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 700 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:**

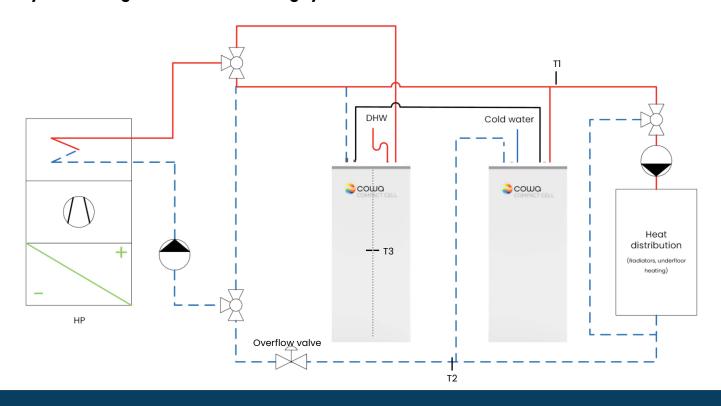
- Stratification-free
- Temperature stability
- Physical separation of primary & secondary circuit
- Integrated high-performance dual heat exchanger
- Cubic design for optimal space utilization



COMPACT Cell 48/58 Combi		
Height	1400	mm
Width	600	mm
Depth	680	mm
Weight	512	kg
Storage capacity <sup>1</sup>	23	kWh
Storage capacity <sup>2</sup> Domestic Hot Water storage	13	kWh
Storage capacity <sup>3</sup> Buffer	10	kWh
Storage capacity per m <sup>3</sup>	75	kWh/m³
Draw-off volume V <sub>40</sub> partially charged	380	L
Draw-off volume V <sub>40</sub> fully charged	700	L
Discharge temperature	45/55	°C
Energy label	В	
Possible water flow rate	25	L/min
Pressure drop at max. flow rate	60	kPa
Minimum operating pressure	1.5	Bar
Maximum operating pressure	8	bar
Maximum operating temperature	75	°C
Compatible heat pumps	R290	R454 C
Min. supply temperature	65	°C
Min. return temperature	60	°C

<sup>[1]</sup> Storage capacity calculated from state of charge >  $65^{\circ}$ C to temperature at outlet <  $30^{\circ}$ C.

### Hydronic integration into the heating system



<sup>[2]</sup> Storage capacity calculated from state of charge > 65°C to temperature at outlet < 40°C.

<sup>[3]</sup> Storage capacity calculated from state of charge >  $55^{\circ}$ C to outlet temperature <  $30^{\circ}$ C.