



Cowa COMPACT Cube 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 550 mm x 550 mm x 690 mm
- ✓ **High storage capacity** – Up to 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:

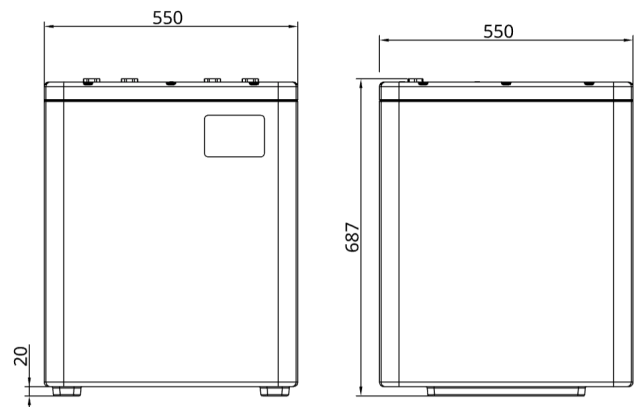
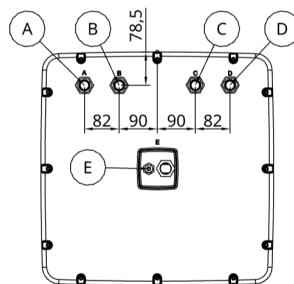
- Stratification-free
- Temperature stability
- Physical separation of primary & secondary circuit
- Integrated high-performance dual heat exchanger
- Cubic design for optimal space utilization

COMPACT Cube SH		48	58
Height	mm	690	690
Width	mm	550	550
Depth	mm	550	550
Weight	kg	170	170
Capacity ¹ fully charged to 55°C/65°C	kWh	9 / 10	- / 10.5
Storage equivalent fully charged	L	200	200
Storage equivalent modulating operation	L	55	55
Discharge temperature	°C	45	55
Energy label ²		B	B
Possible volume flow	L/min	20	20
Pressure drop at max. volume flow	kPa	14	14
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.

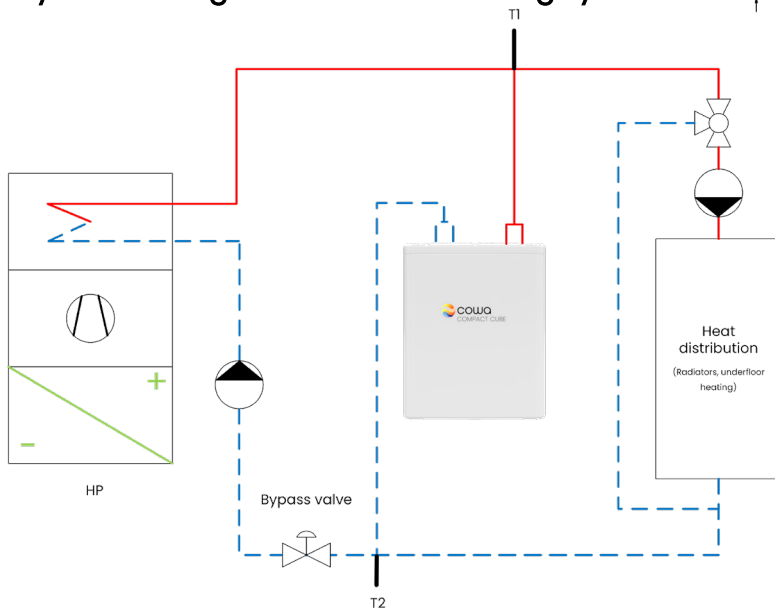
[2] Calculated at an average storage temperature of 60°C and ambient temperature of 15°C

Dimensions & Connections



Flow connection	A & B	3/4" female thread
Return connection	C & D	3/4" female thread

Hydronic integration into the heating system



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

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