

CARBON STEEL BUFFER TANKS



FOR STORAGE PURPOSES in

- Closed Circuit Heating & Cooling Applications
- Heat Pumps & Solar Panels

ENERGY SAVING – High Performance Insulation Guaranteed with 80mm Rigid Polyurethane CFC Free Foam $0.025 \text{ W/M}^2 \text{ }^\circ\text{K}$

RANGE OF SIZES - Wide Range of Storage Units

OPTIONS – Battery Coils & Immersion Heaters can be Fitted

BUFFER VESSELS Small Series

Buffer tanks with capacities ranging from 50 - 1000 litres suitable for closed circuit heating and or cooling in Carbon Steel.

- 50 - 80 litre models suitable for wall mounting
- models 140 - 1000 litre floor standing
- Models 800 - 1000 litre have removable insulation sections to pass through 800mm door openings
- Thermal insulation in rigid mould-injected CFC-free polyurethane foam with removable padded casings in RAL 5015 blue and RAL 7021 grey colours
- Connections for electric immersion heaters

BUFFER VESSELS Large Series

- Large capacity tanks 1500, 2000, 2500, 3000, 3500, 4000 and 5000 litre for heating and cooling storage
- High performance thermal insulation, 80mm thick in rigid mould-injected CFC-free polyurethane foam

OPTIONS

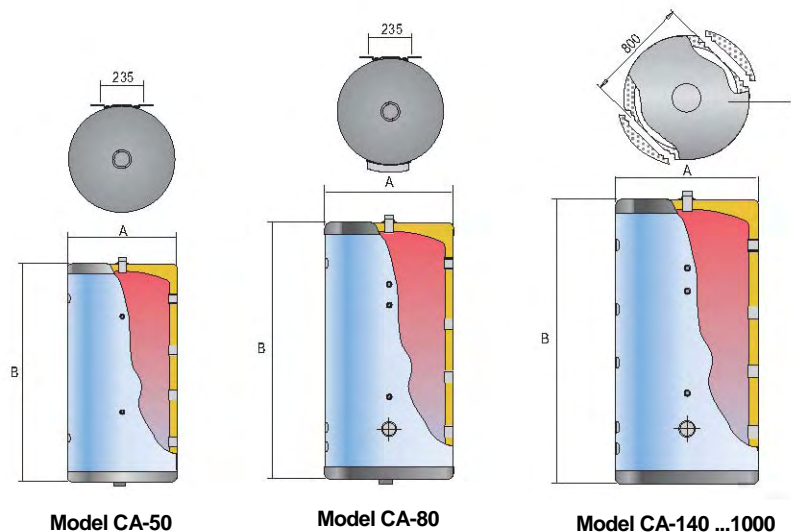
- M1 Class and outdoor type jackets available (Waterproof and Fireproof)
- DN400 inspection openings (800mm and larger)
- Cathodic protection - magnesium and titanium anodes (permanent protection)

Technical Characteristics

- Maximum DHW temperature 100°C
- Maximum working pressure 6 βar

Range of Standard Carbon Steel Buffer Vessels

Including Immersion Heaters & Battery Coils



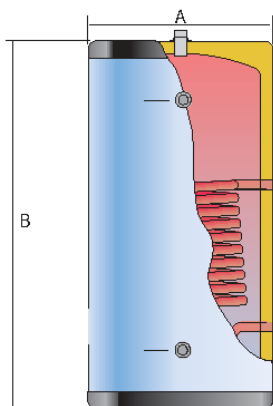
Small Range Models CA-50 ~ CA-1000

Technical Characteristics		CA-50	CA-80	CA-140	CA-200	CA-260	CA-370	CA-600	CA-800	CA-1000
Total Capacity	Litres	50	80	140	200	260	370	600	800	1000
Empty weight	Kg	20	30	35	44	52	68	95	174	205
Temperature Loss:	°C/h	0.66	0.57	0.39	0.34	0.25	0.22	0.17	0.15	0.13
Primary Flow:	Varies	✓	✓	✓	✓	✓	✓	✓	✓	✓
Secondary Return:	Varies	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drain:	Varies	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dimension A: External Diam.	mm	380	480	480	620	620	620	770	950	950
Dimension B: Overall Height	mm	835	749	1155	985	1240	1725	1730	1840	2250
Electric Heater Element - Option	kW	x	✓	✓	✓	✓	✓	✓	✓	✓

Buffer Tanks suitable for Closed Circuit Storage

with • Heat Pumps • Solar Panels • Wood Pellets • Wood Chip Boilers.

Small Range Models CA-260C ~ CA-1000C



Technical Characteristics		CA-260C	CA-370C	CA-600C	CA-800C	CA-1000C
Total Capacity	Litres	260	370	600	800	1000
Heat Exch. surface	m ²	1.32	1.32	1.83	2.7	2.7
Empty weight	Kg	52	68	95	174	205
Inspection Opening	DN400	x	x	x	✓	✓
Primary Flow:	"	1	1	1	1	1
Primary Return:	"	1	1	1	1	1
Secondary Flow:	"	2	2	2	2	2
Secondary Return:	"	2	2	2	2	2
Drain:	Varies	✓	✓	✓	✓	✓
Dimension A: External Diam.	mm	1360	1360	1660	1660	1660
Dimension B: Overall Height	mm	1850	2300	2035	2325	2610