

Space-saving water heater and buffer vessel in one for combining several heating systems (such as solid fuel, oil and gas boilers) with potable water heating. Including a permanently welded-in heating coil for coupling to additional heating sources (such as a solar installation).

Advantages

- Including adjustable feet for accurate levelling (< 600 litre) or on fixed feet (> 750 litre).
- Equipped with several connections and an immersion pipe for a temperature sensor.
- Cold water supply at the bottom to prevent turbulence and to maintain stratification.
- Including Mg-anode in the potable water vessel.
- Connections under a 90° angle, enabling an angular setting.
- Temperature sensor connections: G½" (4x).



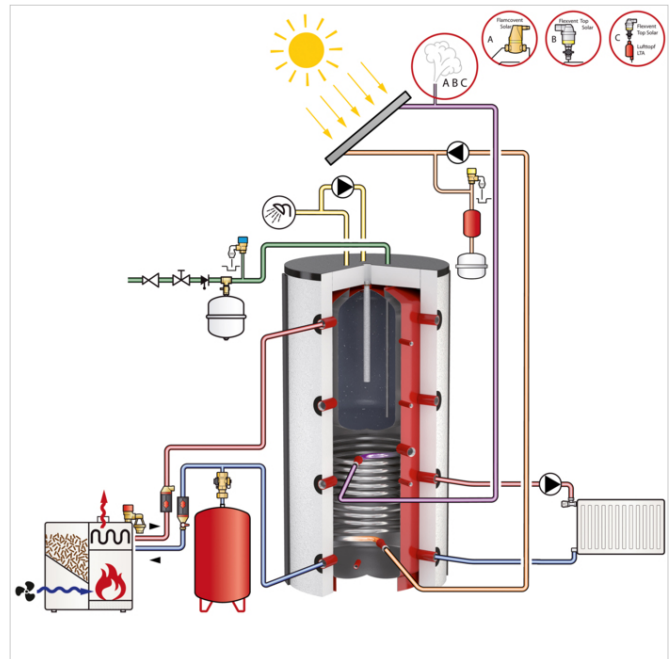
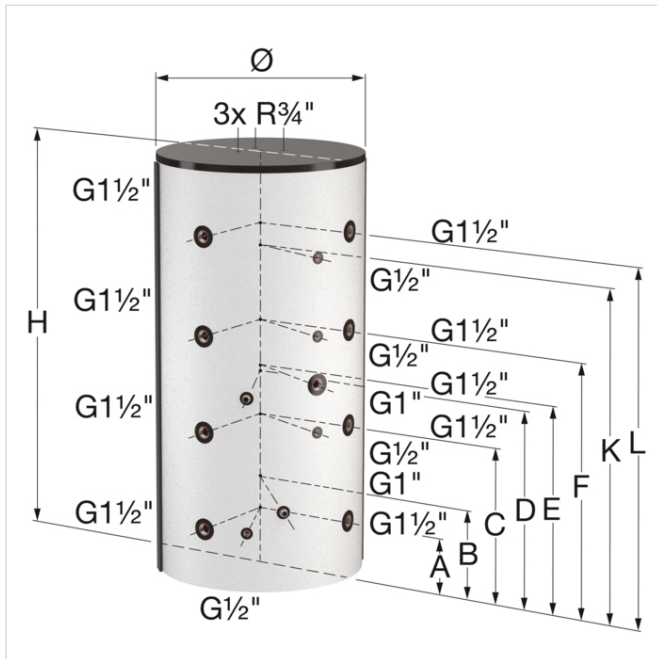
Technical Specifications

- Maximum working pressure: 3 bar (buffer vessel) / 10 bar (potable water vessel / heating coil).
- Maximum working temperature: 95 °C (buffer vessel / potable water vessel) / 110 °C (heating coil).
- Buffer vessel made from steel (S235JR): Outside powder-coated, inside untreated.
- Potable water vessel made from steel (S235JR): Outside untreated, inside with high-quality glass lining according to DIN 4753/part 3 for potable water.
- Insulation (Excluded - Can be ordered separately (see Chapter 'Accessories for Water Heaters and Storage Vessels')):
EPS insulating mantle (fire category B1) with a polypropylene outer shell in white (RAL 9010) / white aluminium (RAL 9006).

Description	FlexTherm KPS Combi storage 1000L/790	
Order Code	19090	
GTIN	08712874190900	
Model	<u>FlexTherm KPS 500 - 1000</u>	
Capacity	Total [l]	1000
	Potable water [l]	215
Dimensions *	Ø [mm]	790
	H [mm]	2180
	Tilting height [mm]	2250
Heating surface area of coil [m ²]	2.7	
Weight [kg]	260	

* Dimensions excluding insulation.




FlexTherm KPS 500 - 1000 - Connection diagram

Type	Distance from floor to connection centres							
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	K [mm]	L [mm]
FlexTherm KPS 500/155	180	280	600	770	770	1010	1330	1430
FlexTherm KPS 600/155	180	280	730	880	980	1280	1730	1830
FlexTherm KPS 750/155	270	370	690	890	940	1100	1420	1520
FlexTherm KPS 850/175	270	370	740	920	970	1200	1570	1670
FlexTherm KPS 1000/215	270	370	820	1010	1095	1370	1820	1920

FlexTherm KPS 500 - 1000 - Performance

Technical specifications	FlexTherm KPS 500 - 1000				
	500/155	600/155	750/155	850/175	1000/215
Total heat loss (EN 12897) [W]	136	108	118	126	139
Energy label	D	C	C	C	C

Classification General Data

Etim Group	Boilers and heaters
Etim Class	Hot tap water boiler indirectly heated
Product Name	FlexTherm KPS Combi storage 1000L/790
Brand	FLAMCO
Product Type	Combi storage vessels
Order Code	19090
GTIN	08712874190900

Attributes

Material boiler tank	Steel
Material casing	Plastic
Surface protection tank	Coated
Volume	200 Litre
Heat transfer	Spiral
Double separation	No
Wall set-up	No
Vertical positioning	Yes
Max. primary operating pressure	3 Bar
Max. secondary operating pressure	10 Bar
With pressure reducing valve	No
With pressure gauge	No
With thermometer	No
With cleaning opening	No
Protective anode	Yes
Height	2200 Millimetre
Width	790 Millimetre
Depth	790 Millimetre
Diameter	790 Millimetre
Tilting height	2250 Millimetre
Cold tap water connection	Other
Thread size, cold tap water	3/4 inch
Nominal diameter cold tap water	3/4 inch (20)
Outer pipe diameter cold tap water	26.9 Millimetre
Hot tap water connection	Other
Hot tap water thread size	3/4 inch
Nominal diameter hot tap water	3/4 inch (20)
Outer pipe diameter hot tap water	26.9 Millimetre
Circulation pipe connection	Other
Nominal diameter circulation pipe	3/4 inch (20)
Outer pipe diameter circulation pipe	26.9 Millimetre
Connection, drainage connection	Other
Primary connection	Other
Nominal diameter primary connection	3/4 inch (20)
Energy efficiency class	C

Find more information online:
[Installation and operating instruction](#)
[PZH certificate](#)
[KPS ADSK](#)
[KPS DWG](#)
[KPS IPT](#)
[KPS STEP](#)
[Selection Guide](#)
[ErP label KPS](#)
[Packaging data](#)

Fort Blauwkapel 1
1358 DB, Almere - nl

T +31 (0)36 52 62 300
E info@aalberts-hfc.com
I flamcogroup.com