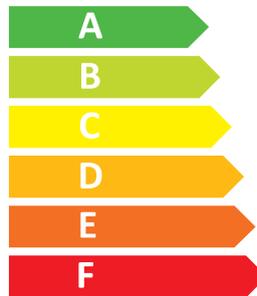


SUNSYSTEM BUFFER TANK for heating systems



Buffer tank with compact size and volume. Accumulates the heat generated by boiler. Recommended for each space-heating system. Ensures optimum operating mode of biomass boiler, permitting its functioning at nominal power output even when the heating system does not need all heat energy produced thereby. Produced heat is accumulated and stored inside the buffer tank and can be used even when the boiler itself has cooled down.



Energy efficiency
Directive 2010/30/EU,
Regulation 812/2013:Class C

Insulation	High efficiency insulation (DIN 4753-8): rigid PU, thickness 50 mm. Outer lining of PVC with RAL 9006 color.
Water tank	Water tank of low-carbon steel S235JR. Operating pressure: 3 bar Maximum temperature: 95°C
Inlets / Outlets	Connections for temperature sensor. All threads are internal. Inlet/Outlet arrangement on 100 angle degrees.
One or two heat-exchanger coils (models PS1/ PS2)	Enables the tank to utilize an external sources of renewable energy. Operating pressure: 16 bar Test pressure: 25 bar Maximum temperature: 110°C
Optional equipment	Kit for electric heating (Electric heating element and Thermostat with integrated thermal protection) with an optional power (See p. 72).



**PS
without coil**

Vertical models.



	Model	Code
150	PS 150	01060016201001
200	PS 200	01060016201002



**PS1
with one coil**

Vertical models.



	Model	Code
150	PS1 150	01060016202001
200	PS1 200	01060016202002



**PS2
with two coils**

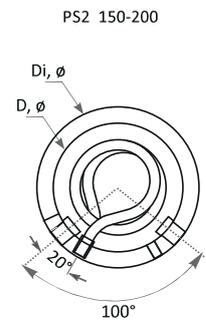
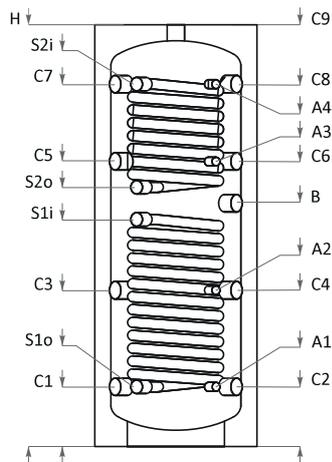
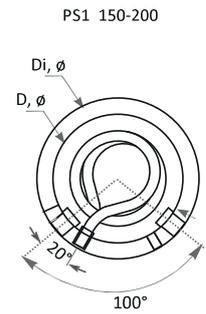
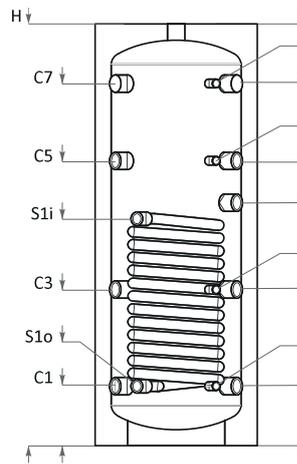
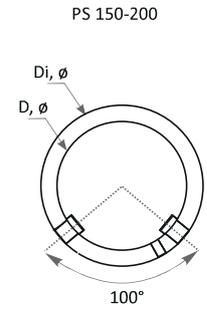
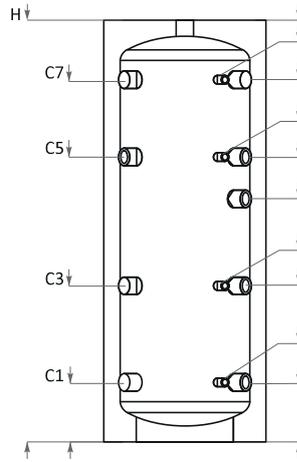
Vertical models.



	Model	Code
150	PS2 150	01060016203001
200	PS2 200	01060016203002

SERIES PS

TECHNICAL PARAMETERS



PS - without coil
PS 1 - with one coil
PS 2 - with two coils

General parameters

			
L	H mm	D/Di mm	kW
150	1310	ø400/500	6-10
200	1710	ø400/500	6-10

Heat-exchanger coils

	S1/S2 m ²	S1/S2 L	S1i/S1o mm Rp1"	S2i/S2o mm Rp1"
1.1/0.66	6.8/4.1	705/185	945/ 185	
1.6/1.0	9.9/6.2	1125/805	1525/1045	

Inlets / Outlets

PS - without coil

		A1 mm Rp½"	A2 mm Rp½"	A3 mm Rp½"	A4 mm Rp½"	B mm Rp1½"	C1 mm Rp1½"	C2 mm Rp1½"	C3 mm Rp1½"	C4 mm Rp1½"	C5 mm Rp1½"	C6 mm Rp1½"	C7 mm Rp1½"	C8 mm Rp1½"	C9 mm Rp1½"
150	38	185	485	885	1125	755	185	185	485	485	885	885	1125	1125	1310
200	47	185	725	1165	1525	995	185	185	725	725	1165	1165	1525	1525	1710

Inlets / Outlets

PS1 - with one coil

		A1 mm Rp½"	A2 mm Rp½"	A3 mm Rp½"	A4 mm Rp½"	B mm Rp1½"	C1 mm Rp1½"	C2 mm Rp1½"	C3 mm Rp1½"	C4 mm Rp1½"	C5 mm Rp1½"	C6 mm Rp1½"	C7 mm Rp1½"	C8 mm Rp1½"	C9 mm Rp1½"
150	56	185	485	885	1125	755	185	185	485	485	885	885	1125	1125	1310
200	74	185	725	1165	1525	995	185	185	725	725	1165	1165	1525	1525	1710

Inlets / Outlets

PS2 - with two coils

		A1 mm Rp½"	A2 mm Rp½"	A3 mm Rp½"	A4 mm Rp½"	B mm Rp1½"	C1 mm Rp1½"	C2 mm Rp1½"	C3 mm Rp1½"	C4 mm Rp1½"	C5 mm Rp1½"	C6 mm Rp1½"	C7 mm Rp1½"	C8 mm Rp1½"	C9 mm Rp1½"
150	69	185	485	885	1125	755	185	185	485	485	885	885	1125	1125	1310
200	91	185	725	1165	1525	995	185	185	725	725	1165	1165	1525	1525	1710

L	Capacity
H, mm	Height
øD / Di, mm	Diameter without insulation / with insulation
kg	Weight
kW	Recommended boiler size, connected to buffer tank

A, mm	Sensor sleeve
B, mm	Sleeve for Electric heating element
C, mm	Heat carrier
F, mm	Air vent sleeve

S1	Lower coil
S2	Upper coil
S1/S2 m²	Heat exchange surface S1/S2
S1/S2 L	Coil capacity S1/S2
S1i/S1o mm	Inlet/Outlet Lower coil S1
S2i/S2o mm	Inlet/Outlet Upper coil S2