



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:

Capacity, Liters
100 - 200
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. 62).



Vertical models.

Model	Code
150 PS 150	010600016201001
200 PS 200	010600016201002



Vertical models.

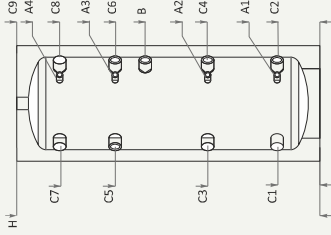
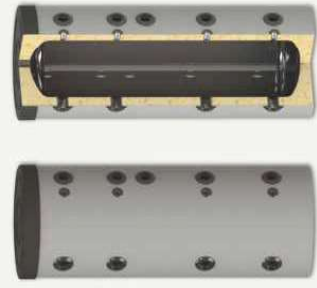
Model	Code
150 PS1 150	010600016202001
200 PS1 200	010600016202002



Vertical models.

Model	Code
150 PS2 150	010600016203001
200 PS2 200	010600016203002

Technical characteristics.



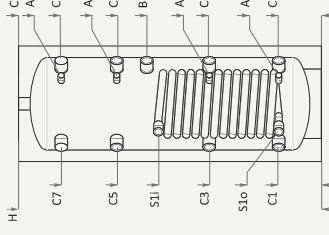
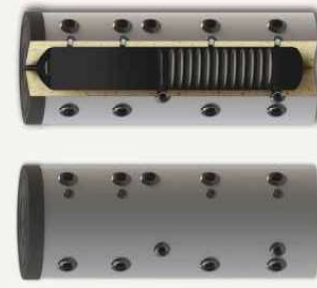
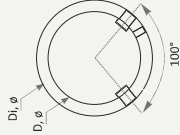
General parameters

L	mm	6-10
H	mm	1310
D/Di	mm	ø400/500
Capacity	kg	6-10
Weight	kg	150
Weight	kg	200

Heat-exchanger coils

S1/S2	m²	1.1/0.66
S1/S2	L	6.8/4.1
S1/S10	mm Rp1"	705/185
S2/S20	mm Rp1"	945/185
S1/S20	mm Rp1"	1125/805
S2/S20	mm Rp1"	1525/1045

PS 150-200



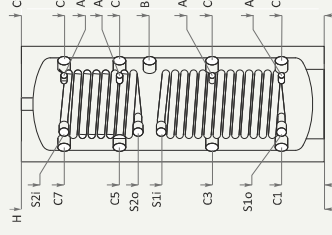
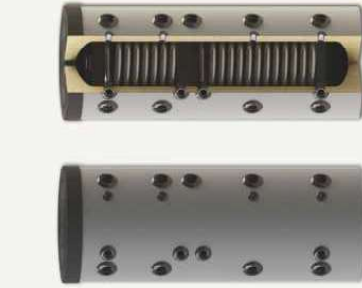
General parameters

L	mm	6-10
H	mm	1310
D/Di	mm	ø400/500
Capacity	kg	6-10
Weight	kg	150
Weight	kg	200

Heat-exchanger coils

S1/S2	m²	1.1/0.66
S1/S2	L	6.8/4.1
S1/S10	mm Rp1"	705/185
S2/S20	mm Rp1"	945/185
S1/S20	mm Rp1"	1125/805
S2/S20	mm Rp1"	1525/1045

PS1 150-200



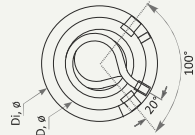
General parameters

L	mm	6-10
H	mm	1310
D/Di	mm	ø400/500
Capacity	kg	6-10
Weight	kg	150
Weight	kg	200

Heat-exchanger coils

S1/S2	m²	1.1/0.66
S1/S2	L	6.8/4.1
S1/S10	mm Rp1"	705/185
S2/S20	mm Rp1"	945/185
S1/S20	mm Rp1"	1125/805
S2/S20	mm Rp1"	1525/1045

PS2 150-200



Inlets / Outlets

PS - without coil

A1	A2	A3	A4	B	C1	C2	C3	C4	C5	C6	C7	C8	C9
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"
185	485	885	1125	755	185	185	485	485	885	885	1125	1125	1310
185	725	1165	1525	995	185	185	725	725	1165	1165	1525	1525	1710

Inlets / Outlets

PS1 - with one coil

A1	A2	A3	A4	B	C1	C2	C3	C4	C5	C6	C7	C8	C9
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"
185	485	885	1125	755	185	185	485	485	885	885	1125	1125	1310
185	725	1165	1525	995	185	185	725	725	1165	1165	1525	1525	1710

Inlets / Outlets

PS2 - with two coils

A1	A2	A3	A4	B	C1	C2	C3	C4	C5	C6	C7	C8	C9
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"	Rp1/2"
185	485	885	1125	755	185	185	485	485	885	885	1125	1125	1310
185	725	1165	1525	995	185	185	725	725	1165	1165	1525	1525	1710

General parameters

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

Inlets / Outlets

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

Heat-exchanger coils

S1 Lower coil
 S2 Upper coil
 Heat exchange surface S1/S2
 S1/S2 L Coil capacity S1/S2
 S1/S10 mm Inlet/Outlet Lower coil S1
 S2/S20 mm Inlet/Outlet Upper coil S2