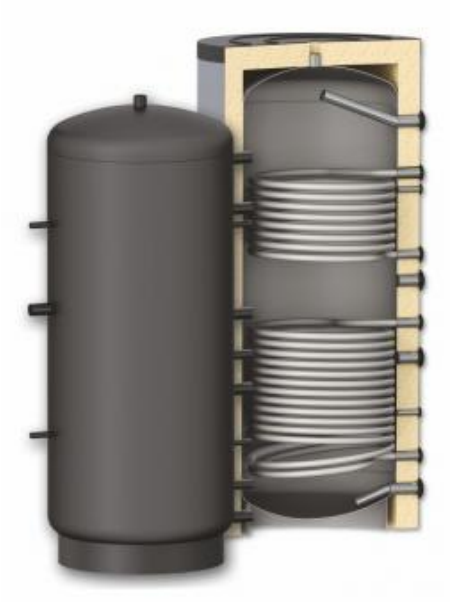


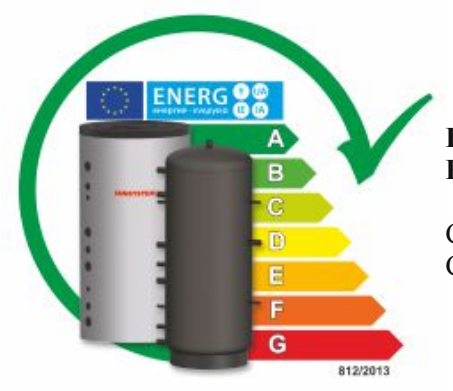
Buffer tank PR2 - with two coils

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 the 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.

Modifications and sizes, L:
300, 500, 800, 1000, 1500, 2000, 2500, 3000

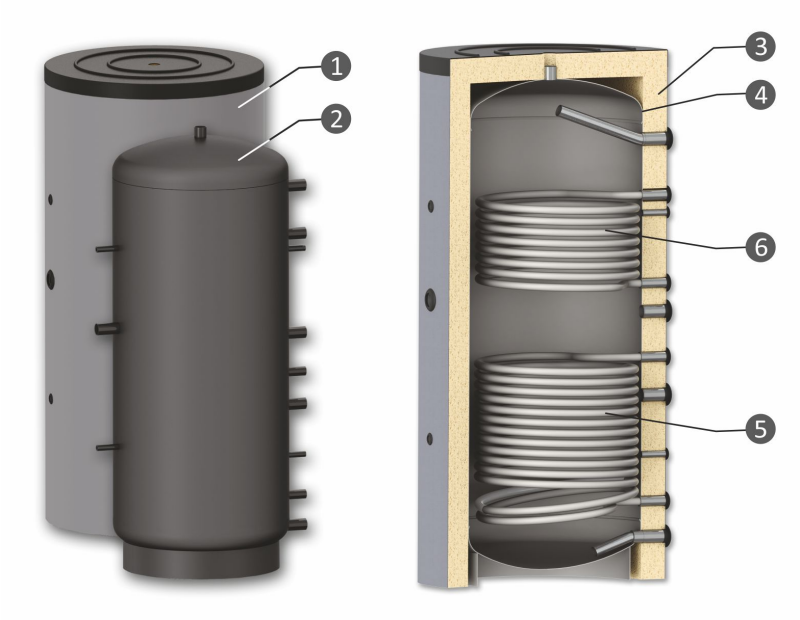
Product features:

- Removable high efficiency insulation with thickness 100 mm and outer casing of PVC with RAL 9006 color
- Multi-position mounting of temperature sensor
- Primer coated on the outside of the tank
- Heat exchanger coils
- All threads are internal
- Inlet / Outlet connections - at 180 angle degrees
- Easy installation.
- Optional kit for electric heating with nominal power 3kW, 4.5kW, 6kW or 7.5kW



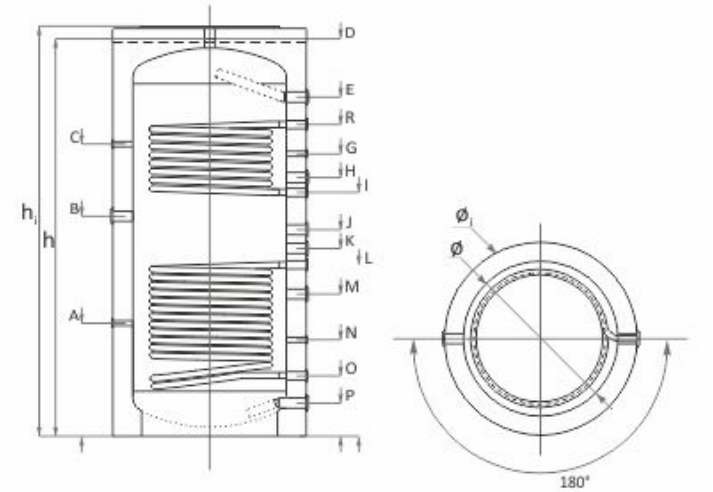
Energy Efficiency Directive 2010/30 /EU, Regulation 812/2013:

Class E - capacity from 300 to 500 Liters;
Class E - capacity from 800 to 1000 Liters;



1. Aesthetic PVC jacket with color RAL 9006
2. Primer coated outer surface
3. Removable insulation
4. Water tank of low-carbon steel
5. Lower coil S1
6. Upper coil S2

Technical specifications:



		PR2 300	PR2 500	PR2 800	PR2 1000	PR2 1500	PR 2 2000	PR 2 2500	PR 2 3000
Capacity	L	300	500	800	1000	1500	2000	2500	3000
Diameter D ø /with insulation ø$_i$	mm	550/750	650/850	790/990	790/990	1000/1200	1200/1400	1200/1400	1400/1600
Height h /with insulation h$_i$	mm	1410/1460	1610/1660	1860/1910	2040/2090	2150/2220	2132/2182	2482/2532	2246/2296
Min. vertical clearance	mm	1430	1640	1900	2075	2220	2200	2542	2332
Lower heat exchanger coil S1 Heat exchange surface Coil capacity	 m^2 L	 1.0 6.2	 1.7 10.5	 2.9 17.9	 3.0 18.5	 3.4 21	 4.0 24.6	 4.0 24.6	 4.9 29.9
Upper heat exchanger coil S2 Heat exchange surface Coil capacity	 m^2 L	 0.5 3.1	 1.0 6.2	 1.8 11.1	 2.0 12.3	 2.4 14.8	 2.4 14.8	 2.4 14.8	 2.8 17.1
Operating pressure /Max. coil temperature	bar/°C	16/110	16/110	16/110	16/110	16/110	16/110	16/110	16/110
Operating pressure/Max. buffer temperature	bar/°C	3/95	3/95	3/95	3/95	3/95	3/95	3/95	3/95
Recommended boiler size, connected to the buffer	kW	6-10	10-17	15-27	18-33	27-50	36-67	45-83	55-100
Thermometer						optional			
PVC coating with insulation (optional)						100 mm soft PU			
Weight Buffer /Insulation	kg	83/9,5	118/12,3	189/16,4	203/18	306/23,2	366/26,5	400/30	520/35
Sensor sleeve	A, mm G½"	410	410	570	580	875	920	920	910
Electric heating element	B, mm G1½"	760	790	920	1130	1130	1170	1170	1184
Sensor sleeve	C, mm G½"	1060	1120	1290	1500	1500	1645	1645	1660
Air vent sleeve	D, mm G1½"	1410	1610	1860	2040	2150	2132	2482	2246
Boiler heat carrier inlet	E, mm G1½"	1170	1370	1573	1742	1808	1775	2126	1797
Upper coil Inlet S2	R, mm G1"	1080	1270	1390	1520	1635	1645	1885	1660
Sensor sleeve	G, mm G½"	1010	1120	1290	1450	1525	1535	1625	1590
Boiler heat carrier	H, mm G1½"	880	990			1305	1420		1474
Upper coil outlet S2	I, mm G1"	880	990	1072	1172	1225	1285	1525	1310
Boiler heat carrier	J, mm G1½"	770	880	980	1060	1085	1170	1420	1184
Additional sleeve	K, mm					G½"/975		G1½"/1170	
Lower coil Inlet S1	L, mm G1"	660	770	820	880	895	980	980	1082
Boiler heat carrier	M, mm G1½"	540	620	670	730	765	735	735	864
Sensor sleeve	N, mm G½"	420	460	465	495	520	500	500	610
Lower coil outlet S1	O, mm G1"	260	250	310	310	375	380	380	477
Boiler heat carrier outlet	P, mm G1½"	150	150	170	170	235	230	230	344