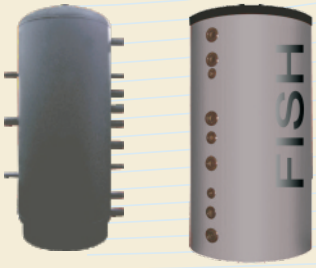
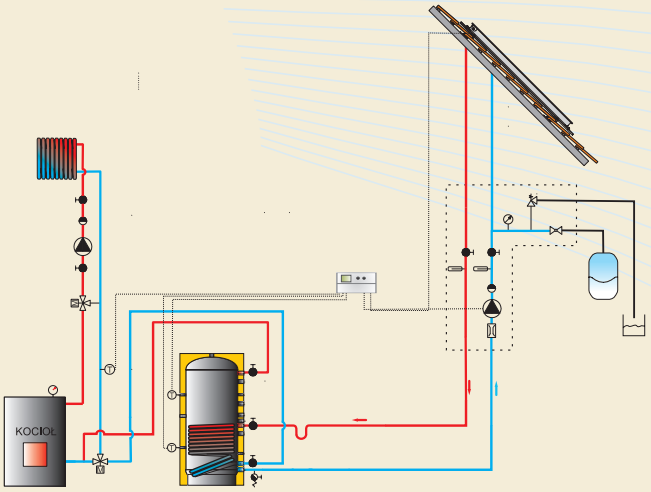
sunex®

FISH® S5





Construction and application

Buffer tanks are in vertical option. They are perfectly suitable to all kind of heat installation with boilers for solid fuel, oil, gaz, heat pump or electric flow heater, adaptation coil makes possible to supporting heat installation across solar system. Tanks have a big efficiency pipe coil what makes a direct connection to the solar group (without use extra heat exchanger). A lot of connection probes permit to use tank's non-standard heat installation and also connecting tanks what makes possible totally fitting capacity to individual necessity.

Thermal insulation

Thermal insulation is layer of soft polyurethane foam of 100 mm thickness in PCV lag.

Standard colours

The solar heaters are available in the following standard colour: grey.

Tank equipment

Coupler for temperature sensor, thermostat coupler, coupler GW 1½" for electric heater.

Technical data

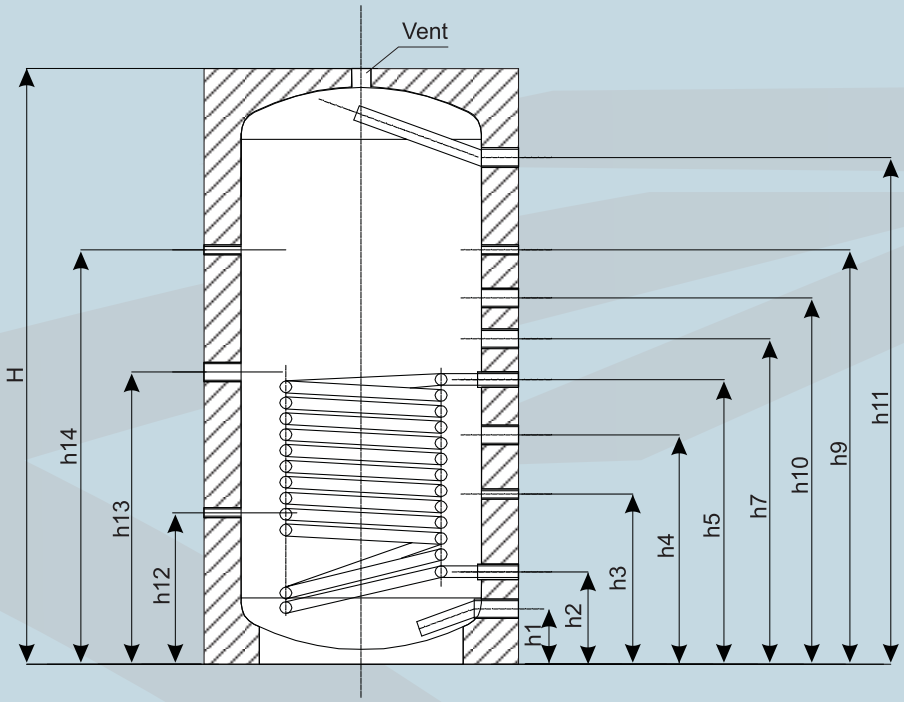
Material: ST 37.2
Welding: automatic welding (WIG i MIG)
Maximum work pressure of the tank: 3 bar
Maximum test pressure: 15 bar
Maximum working temperature: 95ºC
Insulation: 100 mm thick polyurethane soft foam
External jacket: PVC
Heat exchanger: steel pipe ST 37.2
Maximum test pressure of coil pipe: 25 bar

Indication			FISH S5 300	FISH S5 500	FISH S5 800	FISH S5 1000	FISH S5 1500	FISH S5 2000
Storage tank capacity		l	300	500	800	1000	1500	2000
Solid efficiency (80/10/45°C) (Solar exchange)		l/h	1020	1760	2450	3240	3965	4650
		kW	41	71,8	100	132	149	180
Max. permissible temperature, tank/coil		°C	95/120	95/120	95/120	95/120	95/120	95/120
Max. working pressure, tank/coil		bar	3/10	3/10	3/10	3/10	3/10	3/10
Coil capacity		l	6,2	10,59	15,11	18,16	21,27	24,39
Coil surface		m^2	1	1,7	2,9	3	3,4	4
Loss pressure of coil		mbar	72	97,8	211,32	389,66	576,4	1148,48
Insulation thickness		mm	100	100	100	100	100	100
Diameter with insulation		mm	750	850	990	990	1200	1350
Diameter without insulation		mm	550	650	790	790	1000	1150
Tank high	H	mm	1460	1610	1860	2040	2170	2200
High of boiler connection, return	h1	mm	150	150	170	170	235	230
High, solar connection, return	h2	mm	260	250	310	310	375	380
Hight of the sensor muff 1	h3	mm	420	460	465	495	520	500
Hight of free connection	h4	mm	540	620	670	730	765	735
High, solar connection, feed	h5	mm	660	770	820	880	895	980
Hight of the sensor muff 2	h6	mm	-	-	-	-	975	-
Hight of the central heating, return	h7	mm	770	880	980	1060	1085	1170
Hight of free connection	h8	mm	-	-	-	-	1305	-
Hight of the sensor muff 3	h9	mm	1010	990	1290	1450	1525	1420
High, cold water connection	h10	mm	880	1120	1390	1520	1635	1590
High of boiler connection, feed	h11	mm	1170	1370	1573	1742	1808	1820
Hight of the sensor muff 4	h12	mm	410	410	570	580	875	920
High of Heater muff	h13	mm	760	790	920	1130	1130	1170
Hight of the sensor muff	h14	mm	1060	1120	1290	1500	1500	1690
Connectors								
Hot/Cold water	R		1"/1"	1"/1"	1"/1"	1"/1"	1"/1"	1"/1"
Central heating, feed/return	Rp		1"/1"	1"/1"	1"/1"	1"/1"	1"/1"	1"/1"
Solar cycle, feed/return	Rp		1"/1"	1"/1"	1"/1"	1"/1"	1"/1"	1"/1"
Heater muff	Rp		1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Vent	Rp		1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Sensor sleeve			½"	½"	½"	½"	½"	½"
Weight (empty)		kg	92	129	161	194	316	424

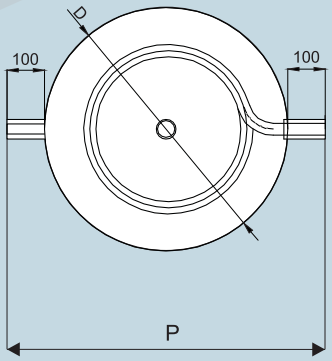
R - Inner thread , Rp - Outer thread

The Fish S5 buffer

- capacity from 300l to 2000l except 1500l



D - diameter without insulation
P - diametr with insulation



- capacity 1500l