

Designed for modern boiler rooms

DHW tanks with a coil

INDEX

FISH S1 150 X

693 110 150

DHW tanks in a standing version for the preparation of domestic hot water. The contact surface of the hot water with the tank is protected against corrosion by a layer of high-quality enamel and two magnesium anodes*. Compliant with the standard DIN 4753, this ensures that the domestic water only comes into contact with a hygienically clean surface.

Domestic hot water is heated by a water heat exchanger made of smooth pipe, welded on the connection with an external heat source such as a solar system, heat pump, boiler, etc., or an optional electric heater.

Thermal insulation

The thermal insulation of the storage tanks consists of a layer of permanently composite CFC-free polyurethane hard foam and a replaceable PVC foil layer jacket.

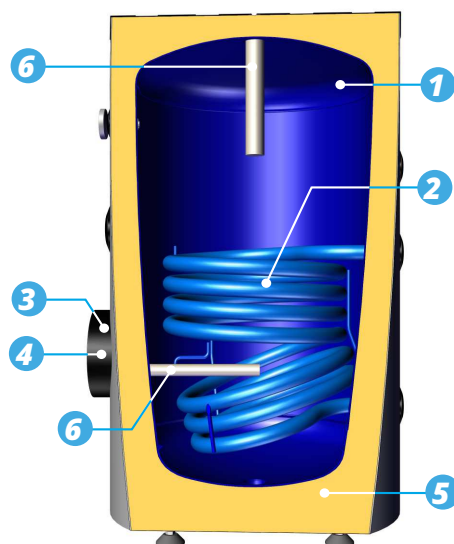
Tank equipment

Inspection hole, thermometer, electric heater muff, 2 magnesium anodes*, internal coil.

*Titanium anode is optional.

Technical description

- › Material: **S235JR**
- › Welding: **automatic** welding
- › Protection: **high quality** enamel coating and 2 protective anodes
- › Max. operating pressure of the tank: **10 bar**
- › Max. test pressure: **15 bar**
- › Max. operating temperature: **95°C**
- › Insulation: **50mm** thick polyurethane foam
- › Outer coat: **gray** in color
- › Heat exchangers: **S235JRH** steel pipe
- › Inspection opening: **ø122mm/ø179mm**



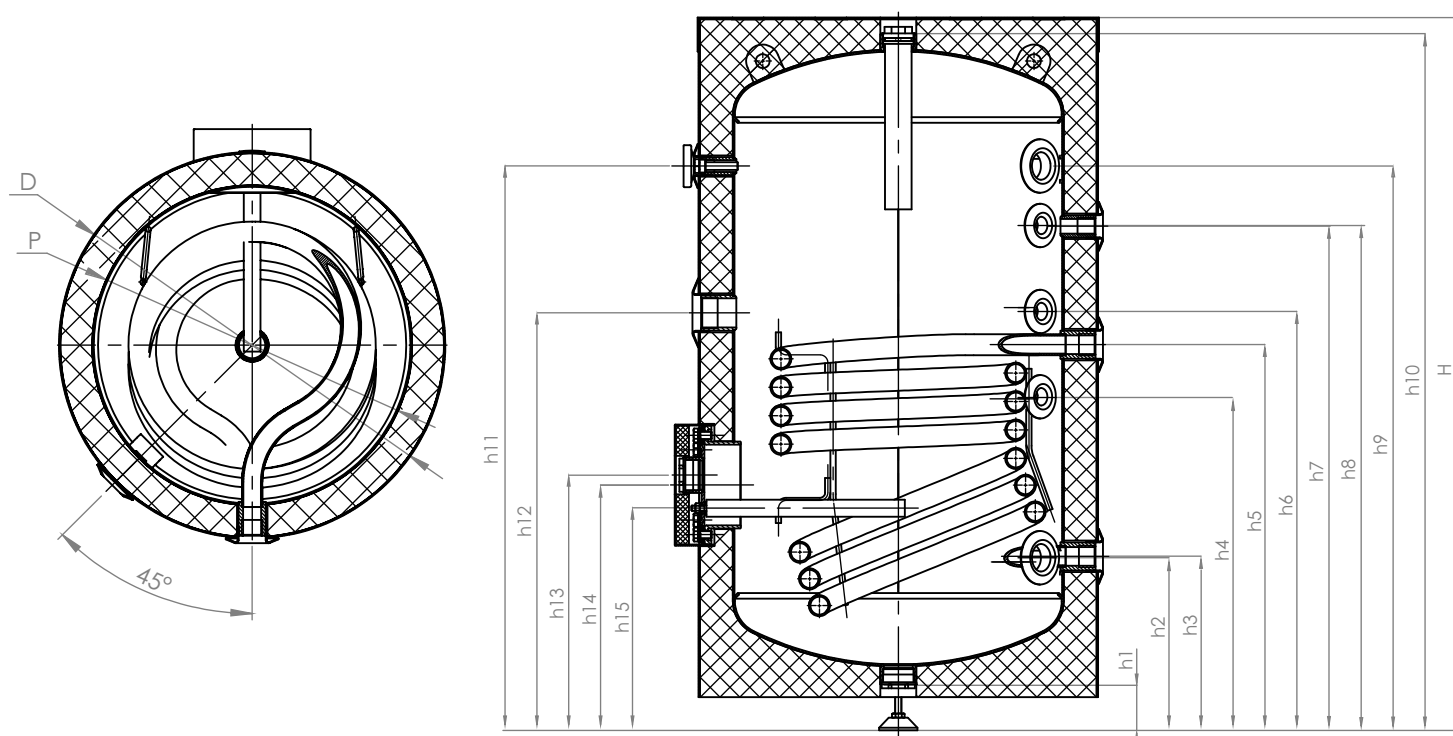
- 1 High-quality enamel** for reliable corrosion protection
- 2 Efficient coil** with special design for solar installation
- 3 Connection socket** for mounting a dedicated **UV-20 disinfection system**
- 4 Inspection opening** for easy cleaning, possibility to install a heater
- 5 PUR foam insulation** for **excellent thermal insulation**
- 6 Protective magnesium anode** for corrosion protection

Capacity	L	150
Coefficient of performance NI		3,0
Constant performance* (80/10/45)**	kW	27
Constant performance* (80/10/45)**	l/h	660
Max. permissible temp. (tank/WT)	°C	95/110
Max. permissible pressure (tank/WT)	bar	10/16
Exchanger capacity	l	4,3
Exchanger surface	m ²	0,78
Insulation	mm	50
Diameter with insulation	D	mm 607
Tank diameter (without insulation)	P	mm 500
Height/diagonal	H	mm 1098/1192
Water drain	h1	mm 72
Cold water	h2	mm 261
Solar exchanger (return)	h3	mm 263
DHW sensor	h4	mm 503
Solar exchanger (supply)	h5	mm 583
DHW sensor	h6	mm 633
Circulation	h7	mm 712
DHW sensor	h8	mm 713
Hot water	h9	mm 853
Magnesium anode	h10	mm 1053
Thermometer	h11	mm 853
Electric heater	h12	mm 631
Heater muff	h13	mm 386
Inspection opening	h14	mm 371
Magnesium anode	h15	mm 336
Connections		
Cold water/hot water	h2/h9	Rp 1"/1"
Circulation	h7	Rp 3/4"
Solar heat exchanger (supply/return)	h5/h3	Rp 1"/1"
Electric heater/heater muff	h12/h13	Rp 1 1/2"
Inspection hole	h14	mm 122/179
DHW sensor	h4/h6/h8	Rp 1/2"
Thermometer	h11	Rp 1/2"
Anode	h10	Rp 1 1/2"
Anode	h15	RP M8
Water drain	h1	RP 1 1/2"
Weight (empty)	kg	56

R - external thread, Rp - internal thread

* at a flow rate of the heating medium equal to 2,5 m³/h

**80/10/45 - (temperatura czynnika grzewczego na wlocie/ temperatura wody zasilającej/temperatura c.w.u.)



Designed for, a modern heating room

Domestic hot water tanks with one coil

INDEX	FISH S1 200 X	693 110 200
	FISH S1 300 X	693 110 300
	FISH S1 400 X	693 110 400
	FISH S1 500 X	693 110 500

DHW tanks in standing version for domestic hot water preparation. The contact surface of the hot water tank is protected against corrosion by a layer of high-quality enamel and two magnesium anodes*. In accordance with DIN 4753, this ensures that the domestic hot water only comes into contact with a hygienically clean surface. Domestic hot water is heated via a water heat exchanger made of a smooth pipe, welded on the connection to an external heat source such as a solar system, heat pump, boiler, etc. or optionally an electric heater.

Thermal insulation

Thermal insulation in the tanks is a layer of permanently bonded CFC-free polyurethane hard foam and a replaceable layer of PVC foil.

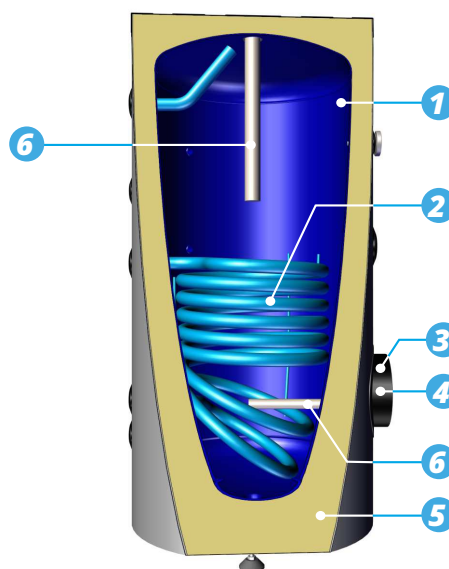
Standard equipment

Inspection opening, thermometer, electric heater socket, 2 magnesium anodes*, internal coil.

*Optionally a titanium anode can be used.

Technical description

- › Material: **S235JR**
- › Welding: **automatic** welding
- › Protection: **high-quality** enamel coating and **2 protective anode**
- › Maximum operating pressure of the tank: **10 bar**
- › Maximum test pressure: **15 bar**
- › Maximum operating temperature: **95°C**
- › Insulation: **50mm** thick polyurethane foam
- › Outer jacket: color **gray**
- › Heat exchangers: steel pipe **P235GH**
- › Inspection opening: **ø122mm/ø179mm**



- 1 High-quality enamel** for reliable corrosion protection
- 2 Efficient coil** with special design for solar installation
- 3 Connection socket** for mounting a dedicated **UV-20 disinfection system**
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- 5 PUR foam insulation** for **excellent thermal insulation**
- 6 Protective magnesium anode** for corrosion protection

			L	200	300	400	500
Capacity				200	300	400	500
Coefficient of performance N_e				4,5	11	14	24
Constant performance* (80/10/45)**		kW		31	39	50	68
Constant performance* (80/10/45)**		l/h		760	960	1230	1670
Max. permissible temp. (tank/coil)		°C		95/110	95/110	95/110	95/110
Max. permissible pressure (tank/coil)		bar		10/16	10/16	10/16	10/16
Exchanger capacity		l		5	6,4	8,9	13,4
Exchanger surface		m ²		0,9	1,2	1,6	2,4
Insulation		mm		50	50	50	50
Diameter with insulation	D	mm		607	657	757	757
Tank diameter (without insulation)	P	mm		500	550	650	650
Height of the device/diagonal	H	mm		1306/1395	1461/1557	1502/1637	1783/1891
Water drainage	h1	mm		74	74	74	74
Cold water	h2	mm		259	263	294	295
Solar exchanger (return)	h3	mm		349	254	384	391
DHW sensor	h4	mm		463	543	535	722
Solar exchanger (supply)	h5	mm		691	757	808	1036
DHW sensor	h6	mm		733	791	855	1082
Circulation	h7	mm		872	950	1051	1264
DHW sensor	h8	mm		1003	1028	1175	1442
Hot water	h9	mm		1092	1243	1251	1534
Magnesium anode	h10	mm		1282	1432	1474	1755
Thermometer	h11	mm		993	1138	1196	1386
Electric heater	h12	mm		733	816	854	1082
Heater socket	h13	mm		384	402	437	433
Inspection hole	h14	mm		369	387	422	418
Magnesium anode	h15	mm		334	352	387	383
Connections							
Cold water/warm water	h2/h9	G		1"/1"	1"/1"	1"/1"	1"/1"
Circulation	h7	G		3/4"	3/4"	3/4"	3/4"
Solar exchanger (supply/return)	h5/h3	G		1"/1"	1"/1"	1"/1"	1"/1"
Electric heater/heater socket	h12/h13	G		1 1/2"	1 1/2"	1 1/2"	1 1/2"
Inspection opening	h14	mm		122/179	122/179	122/179	122/179
DHW sensor	h4/h6/h8	G		1/2"	1/2"	1/2"	1/2"
Thermometer	h11	G		1/2"	1/2"	1/2"	1/2"
Anode	h10	G		1 1/2"	1 1/2"	1 1/2"	1 1/2"
Anode	h15			M8	M8	M8	M8
Drainage	h1	G		1 1/2"	1 1/2"	1 1/2"	1 1/2"
Weight (empty)		kg		80	105	155	191

G - internal thread type G

* at a heating medium flow rate of 2,5 m³/h

**80/10/45 - (heating medium inlet temperature/ supply water temperature/ DHW temperature)

