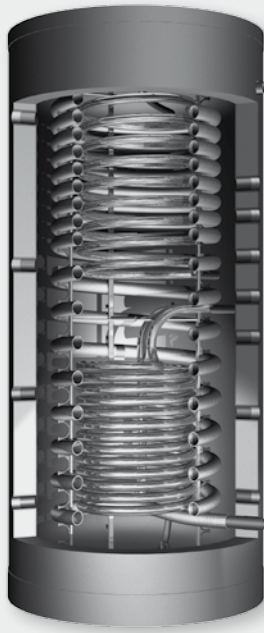


PRODUCT DESCRIPTION



FS/2R – Solar fresh water tank with two coils

High-quality combination tank made of steel (S 235 JR) for heating operation and domestic hot water preparation with a solar system. Solar charging is in zones (2-zone stratification) via two smooth pipe coils. The tank has an integrated corrugated stainless steel pipe in which the water is heated using the hygienic continuous heating process. All necessary connections are at hand; includes 1x 2" sleeves for electric screw-in heating elements. The tank stands on a stand ring. The polyester fibre fleece insulation must be ordered separately (compare Accessories).

Area of use

Water heating and heating operation with a solar system for single-family and semi-detached houses.

Product benefits

- Efficient, cost-effective utilisation of solar energy for hot water and heating
- Backup heating from all common systems possible; attention: heat pump with restrictions!
- Hygienic water heating due to a special corrugated stainless steel pipe¹ (DN 40, 1.4404)
- 7 temperature measuring points (contact sensor sleeves) on tank
- Access flange DN 200 from 1500 litres
- Prepared for use with 1 electric screw-in heating element

Standards, guidelines and regulations

- "Pressure Equipment Directive" 97/23/EC
- "Directive on the quality of water intended for human consumption" 98/83/EC
- Sized according to guideline AD-2000
- Welding as per EN 287-1 and EN ISO 3834-2

SPECIFICATIONS

Max. operating temperature	110°C
Max. tank operating pressure:	3 bar
Max. stainless steel pipe operating pressure:	6 bar
Max. operating pressure of smooth pipe coil	10 bar
Boiler/heating connections	Rp 6/4"
Domestic hot water connections	Rp 1"
Cylinder feed and darin cock connections	Rp ½"
Thermometer connection	Rp ½"

Specifications

Type	FS 500/2R	FS 800/2R	FS 1000-S/2R	FS 1250/2R	FS 1500/2R	FS 2000/2R
Item no.	1610692	1610288	1610289	1610783	1610784	1610785
Nominal volume [l]	514	744	930	1246	1496	1889
Height without insulation [mm] ²	1760	1940	2120	2200	2190	2280
Height with insulation [mm] ²	1860	2040	2220	2300	2290	2380
Diameter without insulation [mm] ²	650	750	790	900	1000	1100
Diameter with insulation [mm] ²	850	950	990	1100	1200	1300
Tilt height [mm] ²	1820	1975	2185	2270	2275	2380
Weight [kg]	190	235	280	325	375	420

1) For problem free maintenance of the corrugated stainless steel pipe (e.g. decalcification), when installing the tank, TiSUN recommends installation of flush connections with isolation valves at the hot water connections of the tank. Also, to protect the corrugated stainless steel pipe from excessive calcification, we recommend measures to stabilise or soften the water at tank temperatures of over 60 °C and water hardness of over 2.5 millimoles calcium carbonate per litre (= 14 °dH) (compare DIN 1988-200).

2) All size specifications have a tolerance range of +/- 3%