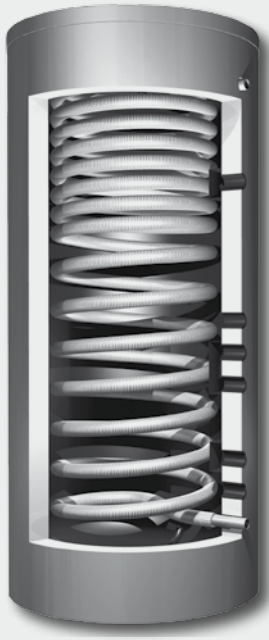


FS/WP FRESH WATER TANK

PRODUCT DESCRIPTION



FS/WP – Fresh water tank for heat pump

Simple combination tank made of steel (S 235 JR) for heating operation and domestic hot water preparation with a heat pump. The tank has an inflow absorber and a generously proportioned stand-by volume by which the water is heated with an integrated stainless steel corrugated pipe using a hygienic, continuous heating process. All necessary connections are at hand; includes 2x 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

- Simple and cost-effective domestic hot water heating, especially in connection with a heat pump or conventional gas/oil boiler heating systems.
- Inflow absorbers prevent the 2-zone layers in the tank from mixing
- Generously proportioned hot water stand-by volume (~ 55% of the tank volume)
- Hygienic water heating due to a special corrugated stainless steel pipe¹ (DN 40, 1.4404)
- 5 temperature measuring points (contact sensor sleeves) on tank
- Prepared for use with 2 electric screw-in heating elements (photovoltaic feed-in)

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
Boiler/heating connections	Rp 6/4"
Domestic hot water connections	Rp 1"
Cylinder feed and drain cock connections	Rp ½"
Thermometer connection	Rp ½"

Specifications

Type	FS 500/WP	FS 800/WP	FS 1000-S/WP	FS 1250/WP
Item no.	1610913	1610914	1610915	1610916
Nominal volume [l]	514	744	930	1246
Standby volume [l]	284	412	494	702
Height without insulation [mm] ²	1760	1910	2120	2200
Height with insulation [mm] ²	1860	2010	2220	2300
Diameter without insulation [mm] ²	650	750	790	900
Diameter with insulation [mm] ²	850	950	990	1100
Tilt height [mm] ²	1820	1975	2185	2270
Weight [kg]	145	175	200	245

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%