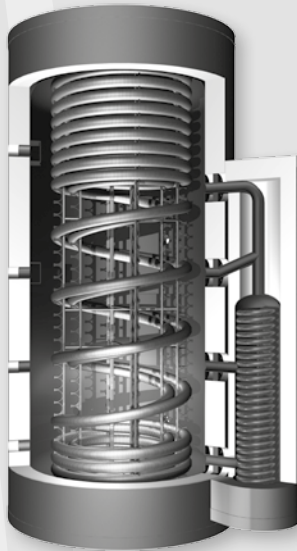


# PRO-CLEAN® 2 CORRUGATED PIPE STRATIFIED TANK

## PRODUCT DESCRIPTION



### Stratified tank Pro-Clean® - 2 corrugated pipe for Heating and high need of domestic hot Water

Multifunctional stratified tank system in steel (S235JR) with 2 integrated stainless steel corrugated pipes (1.4401/1.4404) for heating applications and hygienic domestic hot water preparation in a continuous flow process for high discharge capacities. When combined with a spherical exchanger, optimum stratified charging of the solar energy without tank mixing, integrated inflow absorbers ensure optimum retention of the stratification and boost energy efficiency. Incl. 5 pre-mounted special immersion sleeves that can each hold up to 3 sensors. From a volume of 1,500 l, with inspection flange DN 200, incl. blind flange plate. From a volume of 2,000 l, with larger heating connections. Can be expanded with the backup tank PS. New model with feet and transport device for easier delivery, less thermal losses thanks to reduced sleeve lengths. ST-connection flanges are supplied with spherical exchangers. The spherical exchanger and the polyester fibre fleece insulation must be ordered separately (compare Accessories).

### Area of use

Water heating and heating operation with a solar system for projects with increased hot water requirement.

### Standards, guidelines and regulations

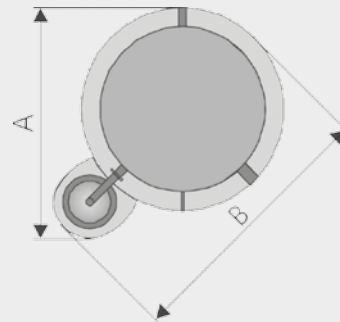
- "Pressure Equipment Directive" 97/23/EC
- "Directive on the quality of water intended for human consumption" 98/83/EC
- Sized according to guideline AD-2000
- Welding as per EN 287-1 and EN ISO 3834-2

### Product benefits

- Efficient use of solar energy using a natural principle for hot water and heating
- Simple functional concept without complicated technology or supplementary electrical energy (gravity circulation principle)
- Backup heating from all common systems possible
- Inflow absorbers prevent the layers in the tank from mixing – especially during heat pump operation
- Hygienic water heating due to two special corrugated stainless steel pipes<sup>1</sup> (DN 40, 1.4404)
- 5 temperature measuring points (sensor pockets) for each of three temperature sensors on the tank
- Access flange DN 200 from 1500 litres
- Prepared for use with 2 electric screw-in heating elements (photovoltaic feed-in)

## 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" / Rp 2" (partially with inflow absorber)
Domestic hot water connections	Rp 1"
Cylinder feed and drain cock connections	Rp 1/2"
Thermometer connection	Rp 1/2"



### Specifications

Type	PC 2WR 1250	PC 2WR 1500	PC 2WR 2000	PC 2WR 2500	PC 2WR 3000	PC 2WR 4000	PC 2WR 5000	PC 2WR 8000	PC 2WR 10000
Item no.	1611144	1611145	1611146	1611147	1611148	1611149	1611150	1611151	1611152
Nominal volume [l]	1260	1540	1930	2430	2910	3920	4950	7940	9840
Height without insulation [mm] <sup>2</sup>	2200	2190	2280	2170	2645	2290	2800	3400	4200
Height with insulation [mm] <sup>2</sup>	2300	2290	2380	2270	2770	2400	2910	3560	4310
Diameter without insulation [mm] <sup>2</sup>	900	1000	1100	1300	1250	1600	1600	1800	1800
Diameter with insulation [mm] <sup>2</sup>	1100	1200	1300	1500	1470	1820	1820	2020	2020
Width A with insulation [mm] <sup>2</sup>	1100	1200	1300	1500	1470	1820	1820	2020	2020
Width B with insulation [mm] <sup>2</sup>	1235	1320	1400	1600	1530	1830	1830	2030	2030
Tilt height [mm] <sup>2</sup>	2240	2235	2330	2335	2755	2555	3000	3580	4450
Weight [kg]	277	334	370	532	580	622	778	925	1050

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%