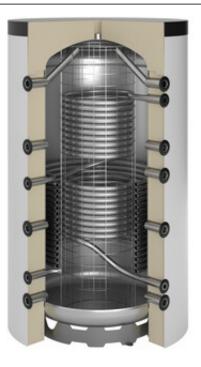
Pure+ Fresh-Water storage tank 1,500 litres with 1 smooth pipe heat exchanger





Fresh-water storage tank for highest demands on drinking water hygiene and energy efficiency.

The structure of the storage tank is fundamentally different from usual large-volume domestic hot-water tanks. A built-in corrugated stainless steel pipe separates the drinking water from the heating water, while serving as a powerful heat exchanger at the same time. Thus, the advantages of a buffer tank are combined with those of a continuous flow water heater. The heating water serves as actual heat storage while the drinking water flows through the corrugated stainless steel pipe only if required and, thus, a legionella-safe domestic water heating is ensured. You do not need a protection programme against legionella in the controller. At all times, the consumer is provided with hygienically clean, fresh water at the desired temperature.

Due to the additional smooth-pipe heat exchanger, a heat generators can be integrated at any time and its energy can be fed into the fresh-water storage tank.

Data pursuant to EU regulation 814/2013

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Tank

Real volume according to EN 12897 [l]:	1470
p _{max} Tank [bar]:	3
t _{max} Tank [°C]:	95
t _{min} Tank [°C]:	20

DHW heat exchanger

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DHW heat exchanger area [m²]:	8	
DHW heat exchanger volume [l]:	34,20	
p _{max} DHW heat exchanger [bar]:	6	
t _{max} DHW heat exchanger [°C]:	95	

Smooth-pipe heat exchanger

Smooth-pipe heat exchanger [number]:	1
Smooth-pipe heat exchanger area bottom [m ²]:	4,50
Smooth-pipe heat exchanger volume bottom:	29,70
p _{max} Smooth-pipe heat exchanger [bar]:	10
t _{max} Smooth-pipe heat exchanger [°C]:	130

Connections

Connection layout:	90°
Connection sensor [Ø mm / terminal]:	6 mm
Connection cold / hot water:	Rp 1 1/4"
Connection heat generator [thread]:	Rp 1 1/2"
Connection heat exchanger [thread]:	Rp 1"
Connection heating element [thread]:	Rp 1 1/2"
Max. immersion depth of screw-in heater [mm]:	1100