

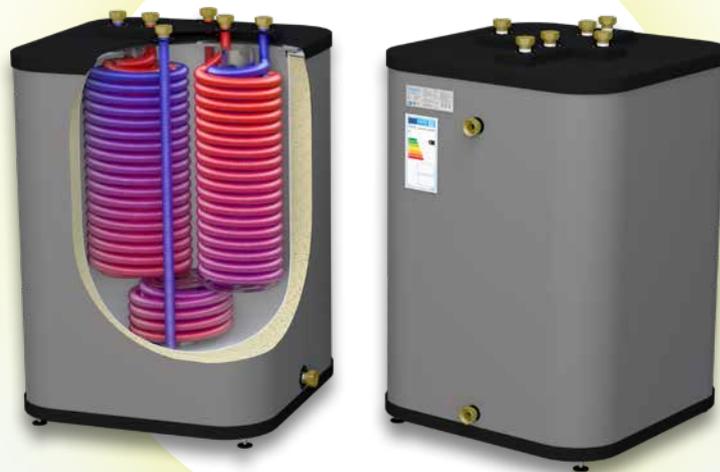
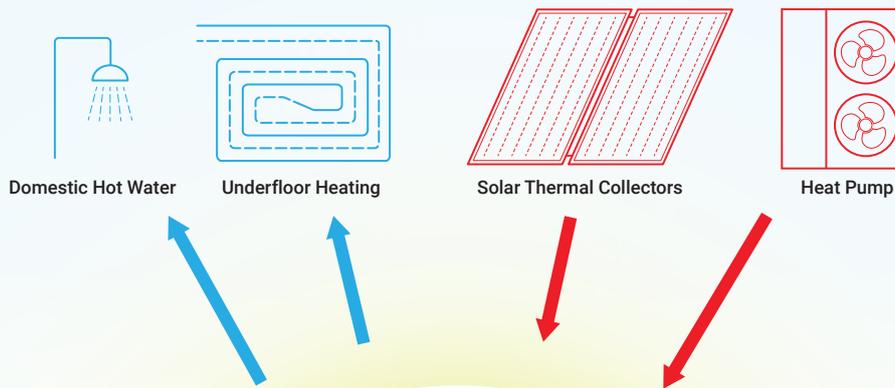
Solarico®

INNOVATIVE
PLASTIC COMPOSITE
NEW GENERATION

HYGIENIC WATER HEATER
DRAINBACK SOLAR STORAGE TANK
STRATIFIED SEPARATOR ACCUMULATOR

GENERAL BENEFITS

- HEAT PUMP READY
- SUPPORT HEATING WITH SOLAR
- HEART OF THE SYSTEM



NEW



Qube X

*Unpressurized hot water storage tank and
drain back reservoir*





NEW

Qube X

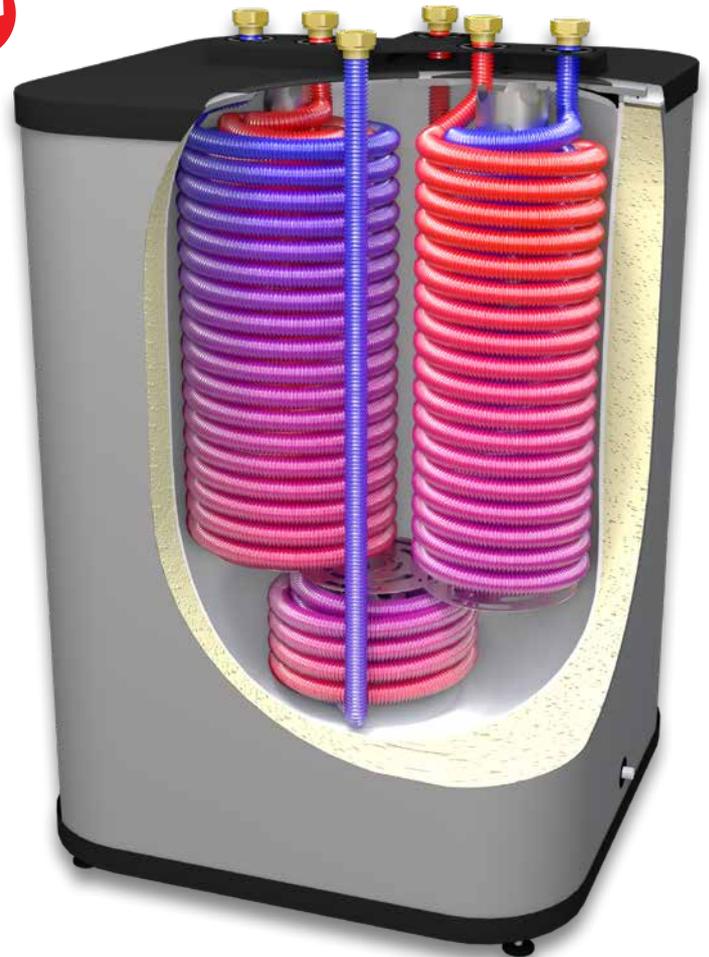
Unpressurized hot water storage tank and drain back reservoir

APPLICATION

- Renovations of hot water systems
- Large hot water outputs
- Clean hot water in clean spaces
- Where the budget is limited
- Energy efficient installations
- Harsh environment

BENEFITS

- Lightweight
- Easy to manipulate
- Installer friendly
- Lower transport costs
- Optional electric heater backup (1 or 2)



HOW IT WORKS

There is polyethylene tank inside filled with energy transfer medium and up to 3 heat exchangers:

- one heat exchanger is used for providing hygienic hot water
- other 2 heat exchangers may be used for connecting:
 - 2 heat sources, or
 - 1 heat source + 1 heat consumer
- the tank is not pressurized
- the tank may be used as solar drain back tank
- the inside medium may be used as a solar drain back medium
- the inside medium transfers the energy among the heat exchangers and solar collectors



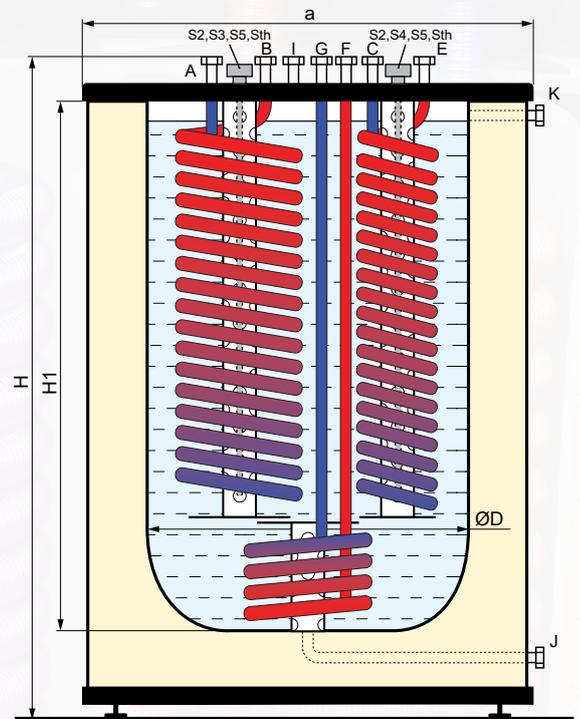
HYGIENIC ON-DEMAND DOMESTIC HOT WATER

- 10÷30% energy savings due to on-demand principle of heating of water for domestic use. It uses energy to heat up the water only when the user opens the tap
- Improved Legionella prevention through the use of continuous flow principle
- Application - in the HORECA industry, kindergartens, schools, hospitals, and residential areas

WATER MEDIUM FOR HEAT TRANSFER INSTEAD OF GLYCOL

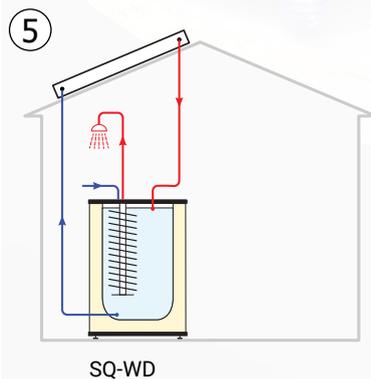
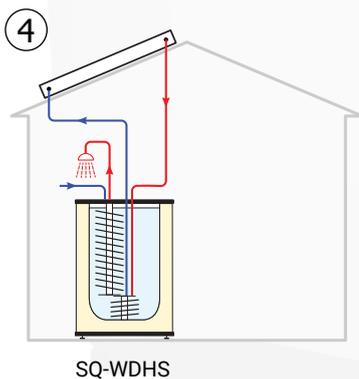
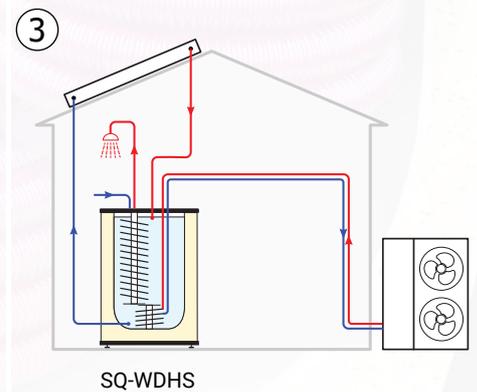
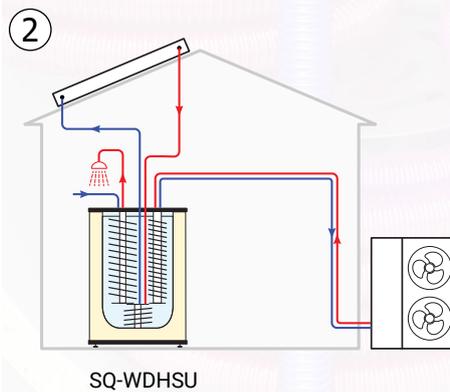
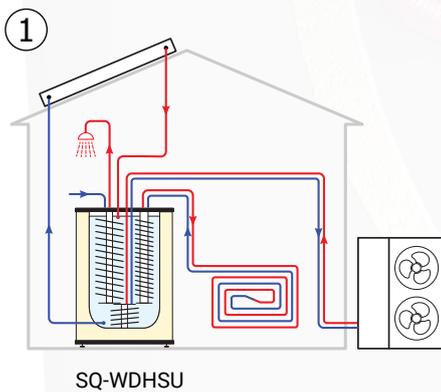
- Water has superior heat transfer properties compared to propylene or ethylene glycol because of a high thermal capacity and low viscosity.
- Unlimited Application - anywhere, including installations where contamination potential is not allowed
- Highest Solar Thermal Efficiency - Water has higher thermal conductivity compared to glycol
- Minimum Maintenance - No need for concentration check up and potential glycol based corrosion
- Low Cost - Glycol solutions are more expensive than water, plus necessary equipment for its handling and maintenance

Qube X		220	400
D (diameter)	(mm)	620	890
H1 (height)	(mm)	845	845
H (height)	(mm)	1100	1100
a (width)	(mm)	725	960
Pivot measurement	(mm)	1320	1460
Gross tank capacity	(l)	220	400
Weight (with exchangers)	(kg)	80	100
Connections I, J		5/4"	
S2 Solar sensor position	(mm)	450	
S3 DHW sensor position	(mm)	250	
S4 Heating sensor position	(mm)	250	
S5 Overheating protection position	(mm)	250	
Max. working temperature	(°C)	90	
Nominal flow rate (all exchangers)	(l/min)	20	
Max. flow rate (all exchangers)	(l/min)	30	
Max. working pressure (all exchangers)	(bar)	10	
Max. test pressure (all exchangers)	(bar)	15	
Solar heat exchanger			
Connections F, G		5/4"	
Capacity	(l)	8,68	8,68
Output area	(m ²)	2,67	2,67
DHW heat exchanger			
Connections A, B		5/4"	
Capacity	(l)	17,55	23,25
Output area	(m ²)	5,35	7,07
Heating exchanger			
Connections C, E		5/4"	
Capacity	(l)	6,78	9,31
Output area	(m ²)	2,10	2,87



- A - Cold water in
- B - Hot water out
- C - Heating in
- E - Heating out
- F - Solar in
- G - Solar out
- I - Solar Drain Back in
- J - Solar Drain Back out
- K - Overflow pipe

- S2 - Solar sensor
- S3 - DHW sensor
- S4 - Heating sensor
- S5 - Overheating protection sensor
- Sth - Electrical thermostat



1. Hygienic Hot Water + Solar Drain Back + Heat Pump + Solar support for space heating
2. Hygienic Hot Water + Solar Pressurized + Heat Pump
3. Hygienic Hot Water + Solar Drain Back + Heat Pump
4. Hygienic Hot Water + Solar Pressurized
5. Hygienic Hot Water + Solar Drain Back

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- Solar Thermal Collectors
- Multi-Functional Storage Tanks and Hygienic Water Heaters
- Drain Back Reservoirs
- Expansions Vessels
- Pressure Vessels
- Heat Exchangers



PRODUCTION FACILITY:

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