

# J|A|S|P|I<sup>®</sup>

HEATING

## Jaspi GTV and Jaspi Oval thermal storage tanks



### Jaspi GTV thermal storage tanks

Classy and efficient, the GTV tanks are suitable for new applications as well as heating system renovations for expanding water space and storing energy, for example in heat pump systems.

Jaspi GTV thermal tanks feature thick, high efficiency polyurethane insulation minimizing the ambient heat loss.

All Jaspi GTV thermal tanks have a powder painted steel casing, are designed to fit through narrow openings and can be positioned in confined spaces.

Indirect hot water coils are flange mounted and can easily be installed later on or replaced if needed. All GTV thermal tanks have connections for electric immersion heaters.

### Jaspi Oval thermal storage tanks

Jaspi Oval thermal tanks can be used with any heat source; oil, gas, heat pumps, wood, pellet, solar & wind.

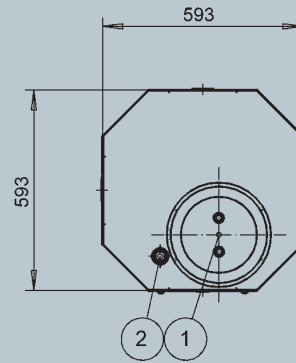
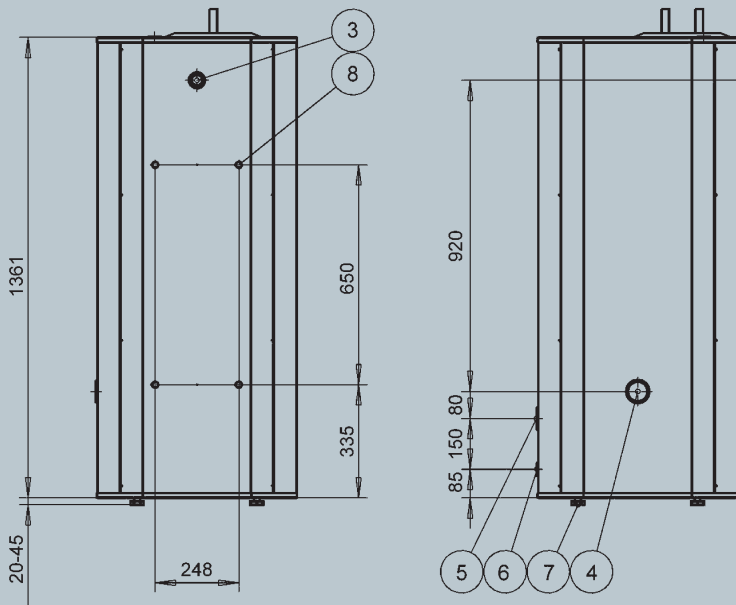
High-efficiency Polyurethane insulation and powder painted steel casing provide high thermal efficiency and modern appearance.

Oval thermal tanks are only 780 mm wide so they fit through most doors and take less space than an equivalent round cylinder. This makes them especially suitable for heating system upgrades and renovations.

Jaspi Thermal Storage Tanks use the best-in-class heat storage and discharge technology. Design and location of the connections ensure efficient thermal layering and easy installation.

# JASPI GTV 270 thermal storage tank

Jaspi GTV 270 is especially suitable for use with dual fuel boilers. The tank ensures more efficient operation of a solid fuel/pellet boiler and improves the efficiency of the combined oil/gas fuel operation. GTV 270 can be also added to the boiler system as a separate water heater. It can be positioned either vertically or horizontally (e.g. on the ceiling or wall of the boiler room).



## Specifications Jaspi GTV 270

### Vertical mounting

1. Ø22 replaceable hot water coil
2. R 1" heating flow / expansion connection
3. R 1" boiler supply
4. R 2" electric immersion heater / boiler return
5. R 2" electric immersion heater / boiler return
6. R 1" heating return
7. M10 adjustable legs
8. M10 horizontal mounting screws

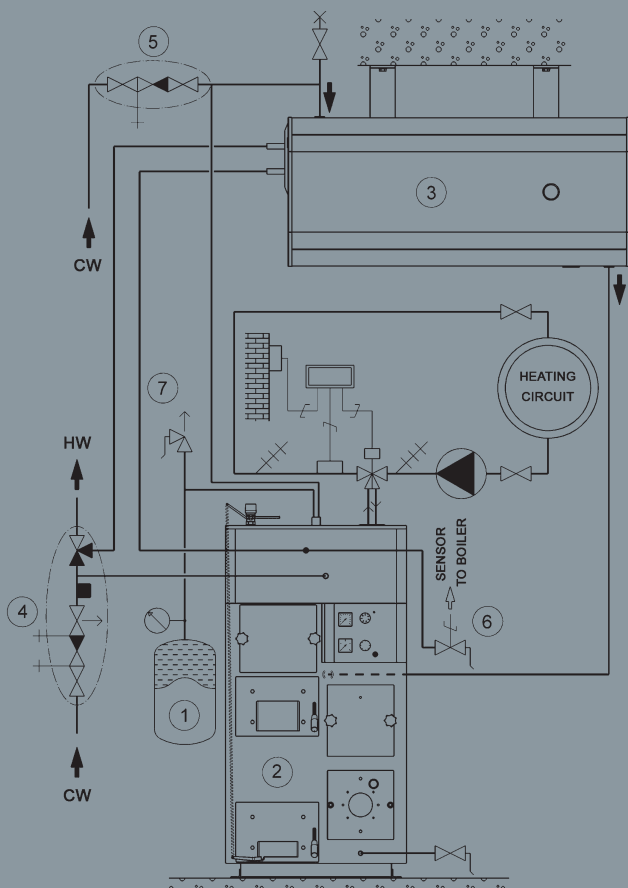
### Horizontal mounting (screws on top)

1. Ø22 replaceable hot water coil
2. R 1" heating flow / expansion connection
3. R 1" boiler supply / expansion connection
4. R 2" electric immersion heater
5. R 2" heating return
6. R 1" boiler return
7. M10 adjustable legs
8. M10 horizontal mounting screws

Model	Volumel	Weight	Pressure	Hot water coil	
GTV	270	kg	bar	l/min	
270-1,5	270	140	1,5	-	-
270-35-1,5	270	140	1,5	35	Ø22 Cu
270-4	270	140	4,0	-	-
270-35-4		140	4,0	35	Ø22 Cu

Design temperature: 100 °C  
We reserve the right to modify design and dimensions

All measurements in mm.

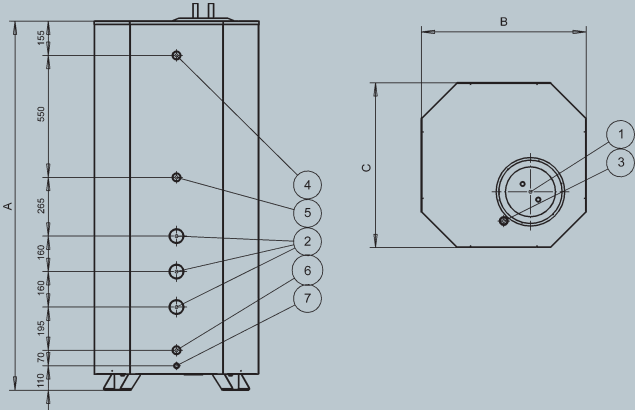


## GTV 270 horizontal connection to the combination boiler

1. Expansion vessel
2. Solid wood / Oil combination boiler
3. GTV-270 thermal tank
4. Thermostatic mixing hot water supply valve
5. Boiler water filling valve
6. Thermal safety valve
7. 1.5 bar safety valve

## Jaspi GTV 500

Jaspi GTV 500 is used as a heat storage for larger energy quantities. Connected in series, GTV 500 thermal tanks are a good solution for more powerful solid fuel heating or night-time electric charge. A hot water coil will be selected for GTV 500 based on hot water supply demand.

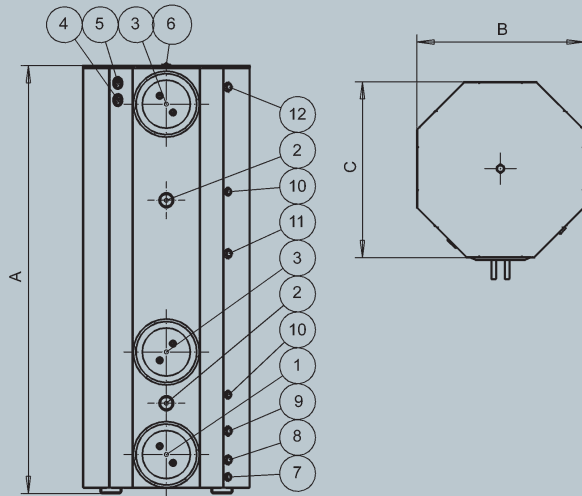


### Specifications Jaspi GTV 500

1. Replaceable hot water coil
2. R 2" electric immersion heater
3. R 1" heating circuit flow
4. R 1" boiler supply
5. Additional R 1" heating circuit flow / return
6. R 1" boiler return / heating circuit return
7. R 1/2" drain

## Jaspi GTV 700

Jaspi GTV 700 is designed to be connected to various, simultaneous energy sources. It can be used as a heat store for heat pumps, solid fuel, pellet, oil & gas boilers. Also Solar and wind power systems can be connected. GTV 700's two domestic hot water coils ensure constant high pressure hot water supply. GTV 700 can accommodate up to 3 separate heat sources. The solar indirect coil can also be added at a later stage.



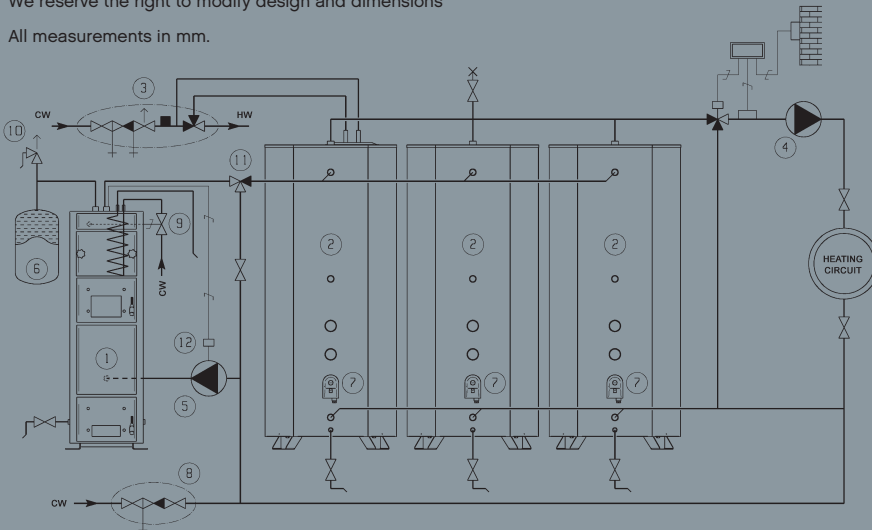
### Specifications Jaspi GTV 700

1. Ø22 Cu solar power coil (optional)
2. R 2" BP electric immersion heater
3. Ø22 hot water and additional heat source coils
4. R 1/2" lower level thermometer
5. R 1/2" upper level thermometer
6. R 1" BP heating circuit outlet/expansion (ensure deaeration)
7. R 3/4" BP drain
8. R 1" BP heating circuit return (expansion)
9. R 1" BP underfloor heating circuit return
10. R 3/4" BP thermostat
11. R 1" BP underfloor heating supply. Can also be used as additional heating circuit feed
12. R 1" BP direct boiler connection

Model	Dimensions mm	Volume	Weight	Pressure	Hot water coil
	height (A) x width (B) x depth (C)	l	kg	bar	l/min
GTV 500-1,5	1665 x 743 x 743	500	210	1,5	-
500-35-1,5	1665 x 743 x 743	500	210	1,5	35 Ø22 Cu
500-80-1,5	1665 x 743 x 743	500	210	1,5	80 R 1"
500-4	1665 x 743 x 743	500	210	4,0	-
500-35-4	1665 x 743 x 743	500	210	4,0	35 Ø22 Cu
500-80-4	1665 x 743 x 743	500	210	4,0	80 R 1"
500-100-4	1665 x 743 x 743	500	210	4,0	100 R 1 1/4"
700	2000 x 780 x 820	700	230	1,5	-
700-35	2000 x 780 x 820	700	230	1,5	35 Ø22 Cu

Design temperature: 100 °C  
We reserve the right to modify design and dimensions

All measurements in mm.



### GTV 500 to boiler connection

1. Heat source, solid wood boiler, heat pump etc.
2. GTV 500 thermal storage tank
3. Thermostatic mixing hot water supply valve
4. Heating circuit circulating pump
5. Charging pump
6. Expansion vessel
7. Required quantity of electric immersion heaters
8. Boiler filling valve
9. Thermal safety valve
10. 1.5 bar safety valve
11. Thermostatic charging valve
12. Pump thermostat

# Jaspi Oval thermal storage tanks 1000, 1200, 1500, 1800, 2400

Jaspi Thermal Storage Tanks use the best-in-class heat storage and discharge technology. Design and location of the connections ensure efficient thermal layering and easy installation.

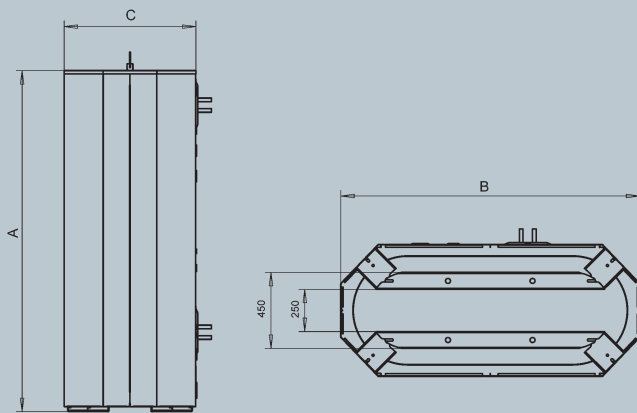
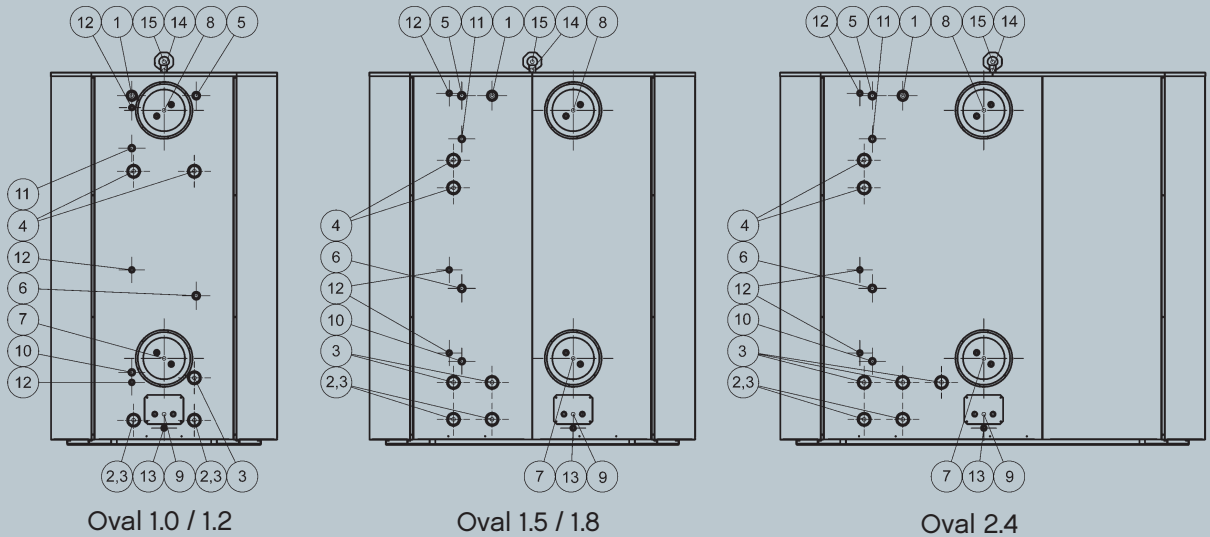
Oval thermal tanks are only 780 mm wide so they fit through most doors and take less space than an equivalent round cylinder. This makes them perfect for heating system renovations.

Domestic hot water is supplied via the internal high efficiency hot water coil(s) which can easily be replaced or upgraded. As the high efficiency hot water coil(s) produce the hot water when it is needed, there is no need for a separate water heater. The solar indirect coil can also be installed at a later stage.

Jaspi Oval provides unrivalled expandability. Up to four heat sources can be connected in to a single tank giving the user flexibility to use the cheapest heat source available at the time. Jaspi Oval thermal tanks can be used with any heat source; oil, gas, heat pumps, wood, pellet, solar & wind.

Several heating circuits can be supplied from a single tank, making it easy to separate between radiators / underfloor heating or main house / garage or annex.

Optional night storage electric immersion heaters are located at the lowest possible height to heat the entire water volume with cheaper night tariff. Another set higher up the tank can be used during the day and warms the top of the tank only.



## Specifications

1. R 1 1/4" supply from the boiler
2. R 2" return to the boiler/expansion
3. R 2" night time electric immersion heater
4. R 2" daytime electric immersion heater
5. R 1" heating circuit flow
6. R 1" heating circuit return
7. Ø22 hot water preheating coil
8. Ø22 hot water main coil
9. Ø22 solar coil (optional)
10. R 3/4" nighttime thermostat connection
11. R 3/4" daytime thermostat connection
12. R 1/2" thermometer connection
13. R 1/2" drain connection
14. R 1" air vent/expansion vessel connection
15. Detachable lifting lug

Model	Dimensions mm	Volume	Weight
Oval	height (A) x width (B) x depth (C)	(l)	(kg)
1.0	1720 x 1230 x 780	1000	270
1.2	2020 x 1230 x 780	1200	305
1.5	1720 x 1770 x 780	1500	365
1.8	2020 x 1770 x 780	1800	410
2.4	2020 x 2310 x 780	2400	525

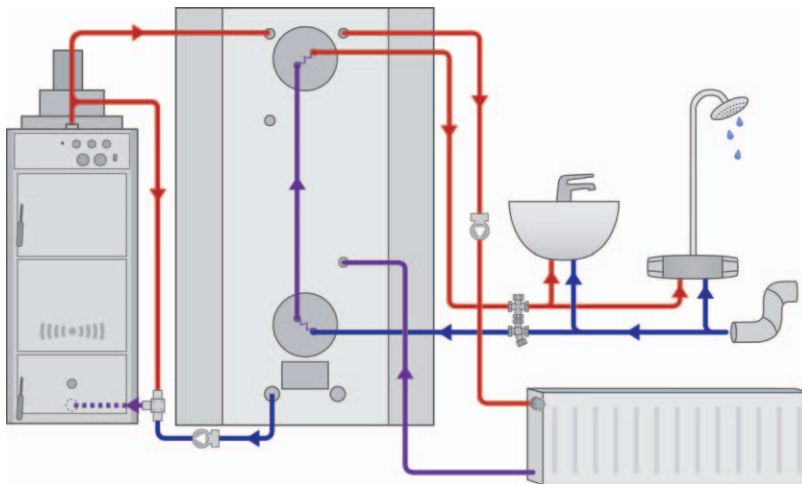
Design pressure: 1.5 bar  
 Design temperature: 100°C  
 We reserve the right to modify design and dimensions

All measurements in mm.

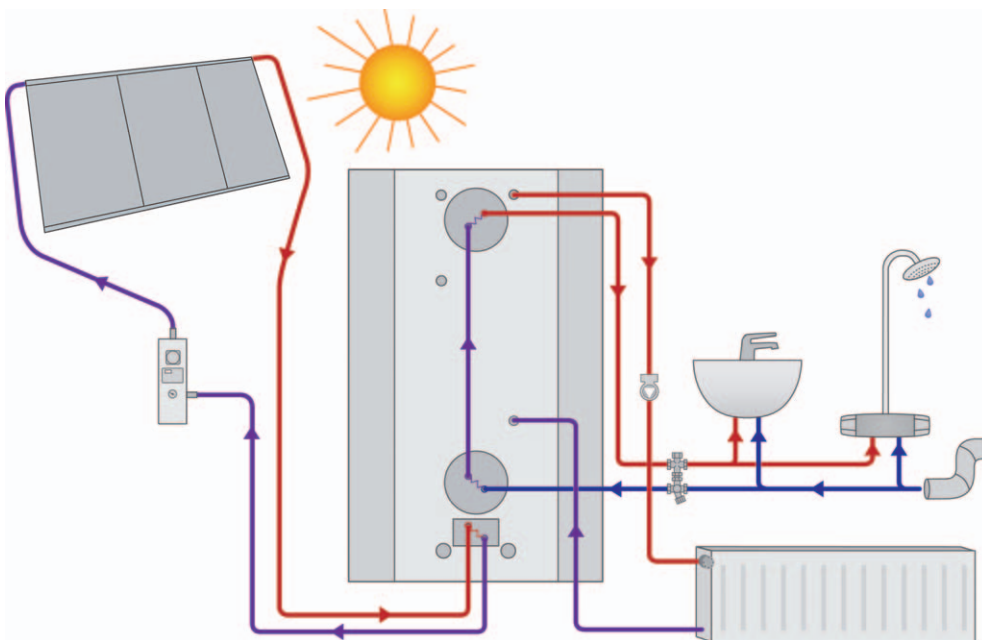




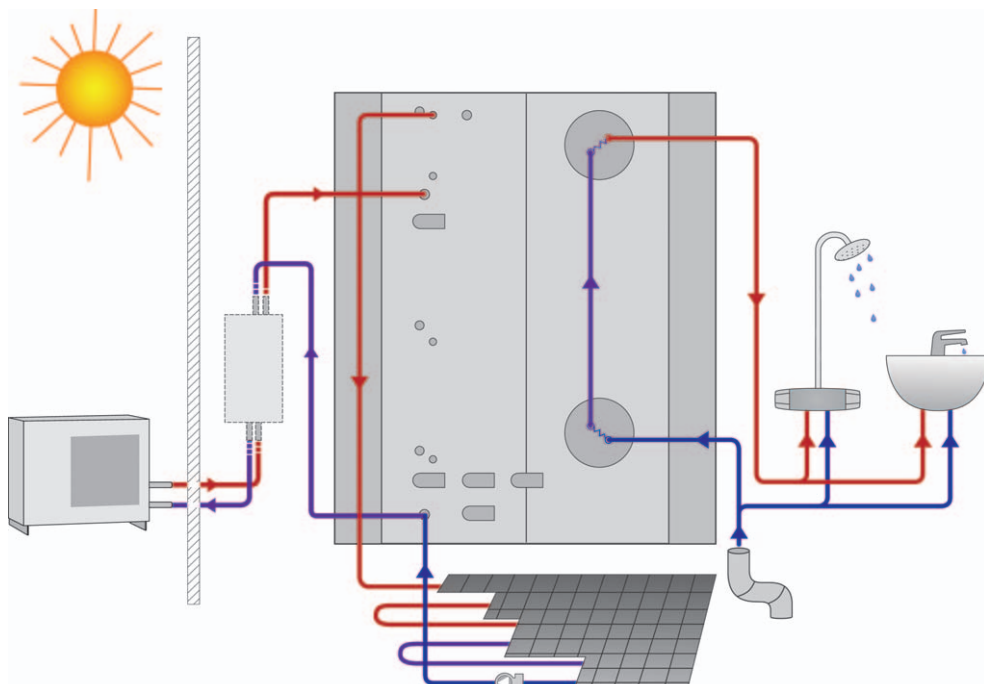
Oval thermal storage tank connected to a solid fuel boiler



Oval thermal storage tank connected to solar heating system



Oval thermal storage tank connected to an air-to-water heat pump

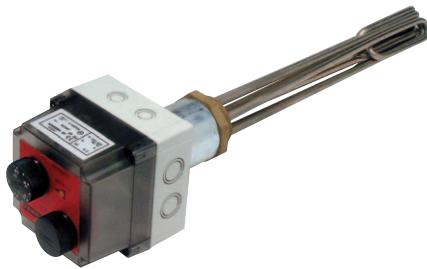


## Extra equipment for Jaspi Thermal Storage Tanks



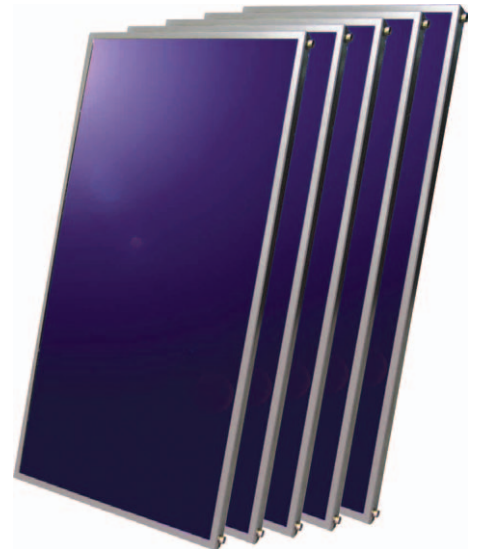
### Copper coil

An efficient Cu-coil guarantees excellent domestic hot water output even in the most demanding circumstances. With special order heat storage tanks are delivered with even higher output coils, based on DHW supply demand.



### Jaspi-Immersion heaters

Perfect fit for GTV & Oval tanks. They will provide back-up and boost in the event of a boiler failure, or when other heat sources are not available. All three versions; 3, 4.5 & 6kW have a built-in thermostat, safety cut-off, indicator light and are made of high grade, ultra long life Incoloy Alloy Steel.



### Solar heating package

This Solar heating package can be connected to any Jaspi GTV or Oval system. Full kit includes 3 or 5 solar panels, pump station, solar controller, 40 L of transfer fluid, roof fixings and an expansion vessel. In addition to a solar heating kit, a pre-heating coil as well as a solar immersion coil is needed.

### JAMA Moon 10 Air-to-water heat pump



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ISO 14001  
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EN 729-2