

**solar
plumbing
made easy**

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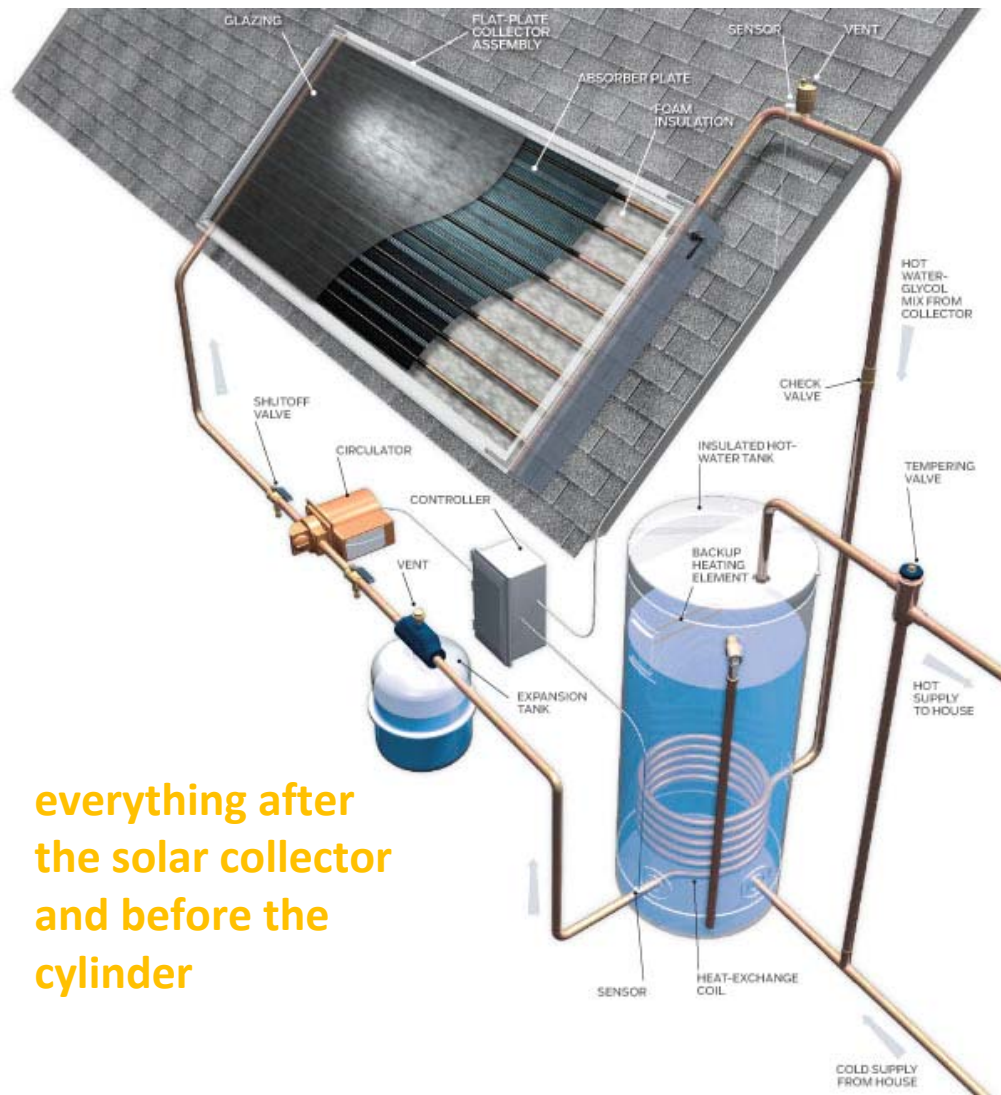
*What does Spatec provide for
solar installations?*

**we complete
the installation!**

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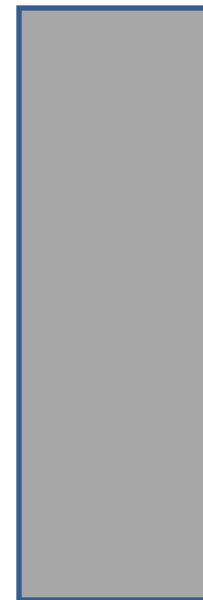
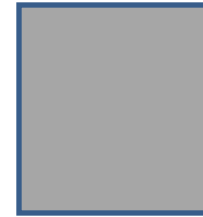


inta ECO



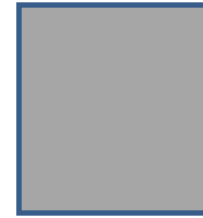
everything after
the solar collector
and before the
cylinder

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at above roof level.....

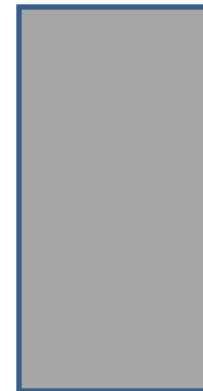


Roof flashings to seal the entry of the pipe through the roof.
High temperature seals that can seal tight against the pipe



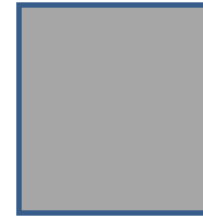
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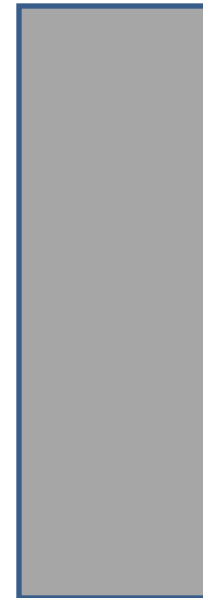


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in roof solar plumbing solutions



stainless steel flexible pipe
pre-insulated 14mm
UV protected
with 4 core sensor wire



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pipe packs with fittings



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pipe pack
complete with 4
sets Fittings



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*useful information on pipe sizes
compared with traditional known
sizes*

DN12	or ½" or 15mm
DN16	or ¾" or 22mm
DN20	or 1" or 28mm
DN25	or 1 1/4" or 35mm



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*making a flange for connections;
can be made with fittings only.*

key
words



Making connections
without a tool; you
need -

- nut
- C clip
- sealing gasket

*A better method though is to use
a flanging tool*

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solar plumbing fittings



*3/4" & 1" female nuts
SF16-7047/SF20-7087*



*3/4" brass coupling,
flat face ends
SF16-3075*



*compression
couling to male
SF16-4015C*

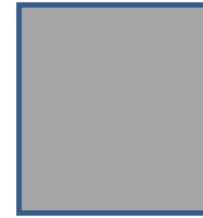
*compression
coupling to male
SF16-4022C*



*pipe spigot
connector
SF16-4022SP*

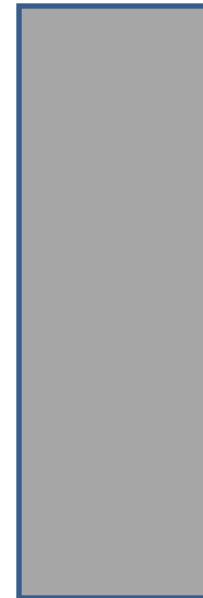
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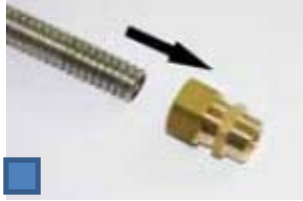
Fittings

**COUPLINGS and
ADATORS to copper**



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NEW -solar compression plumbing fittings



*Make connections without making
a flange.....on stainless steel
Flexi pipe
Just tighten on to the pipe*



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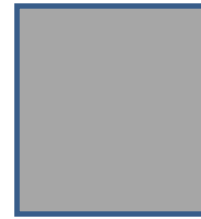
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use only solar pipe insulation!



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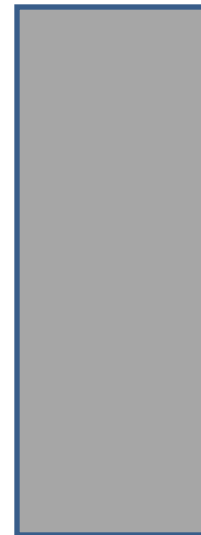
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Suitable for high temperature

Fire certification

High thermal barrier rating



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the solar pump station 'twin line' version.



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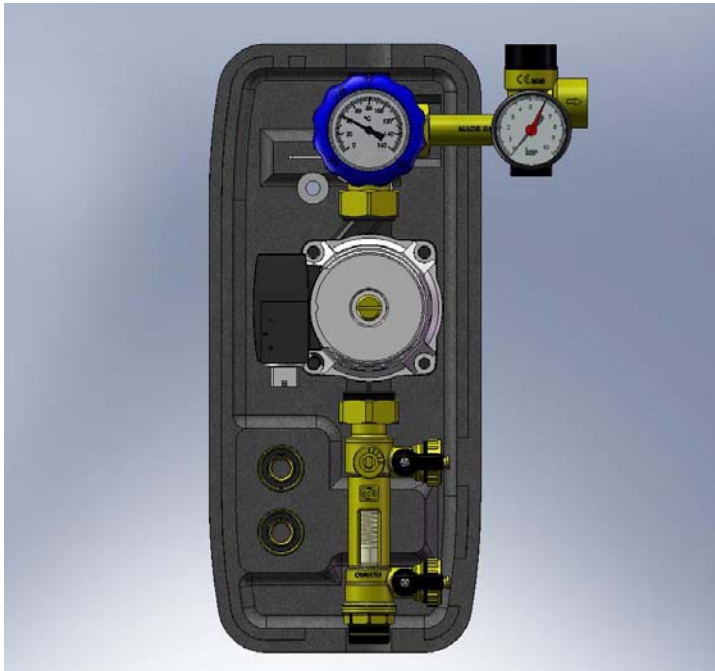
The pump package

solar pump
check valve
isolation valves
safety valve
gauges
flow regulator
fill & flush
vessel connection
air scoop



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*the solar pump station
'single line' version.*



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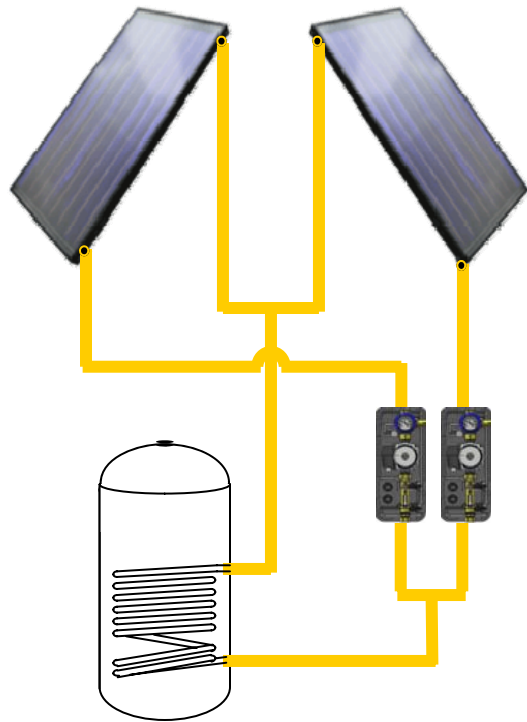
*what's the
difference?*

NO air scoop
NO flow isolation
valve



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and for an 'East West' system



use 2 pump sets

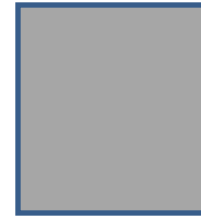
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solar rated expansion vessels?



35 Ltr Solar



18 Ltr Solar

- high temperature
130C membrane

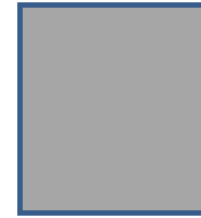
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Connecting the vessel to the system – available in a kit.....



Part code SOVK-A200
Contains....



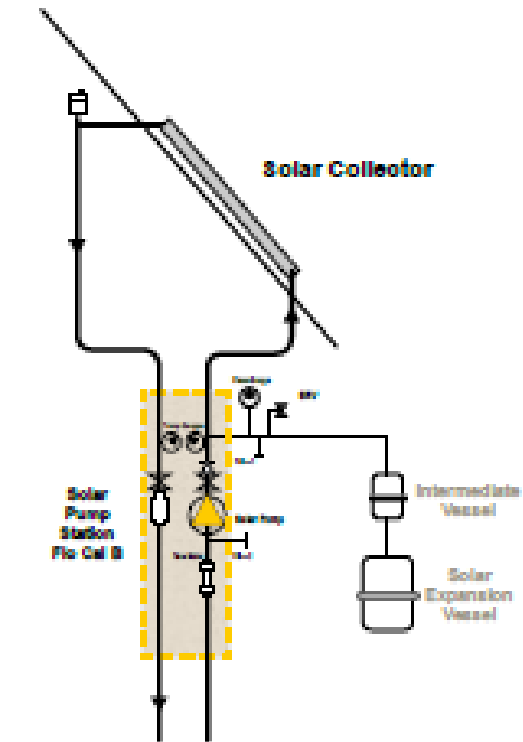
- wall bracket
- vessel isolating valve
- length of SS flexi pipe with $\frac{3}{4}$ " connections to the Pump station

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What are intermediate vessels?



Typical arrangement

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VSG
cooling
chamber



Solarsafe

cools the fluid in front of the vessel – protects the membrane.

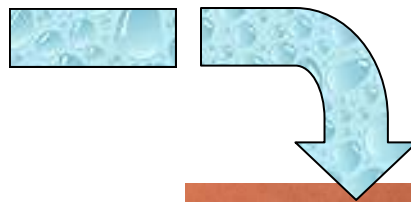
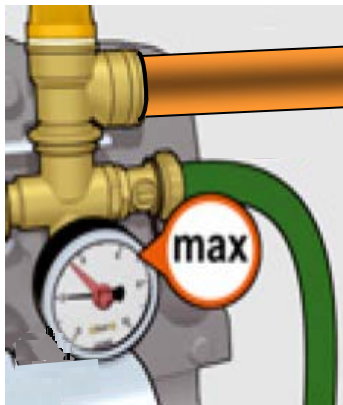
2 types -

- 1.VSG (chamber only)
- 2.SolarSafe (combined chamber and expansion vessel)



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Where to pipe the discharge pipe from the solar safety valve



EVPG-550001
SVD Tank



High
temperature
tank, easy to
install.

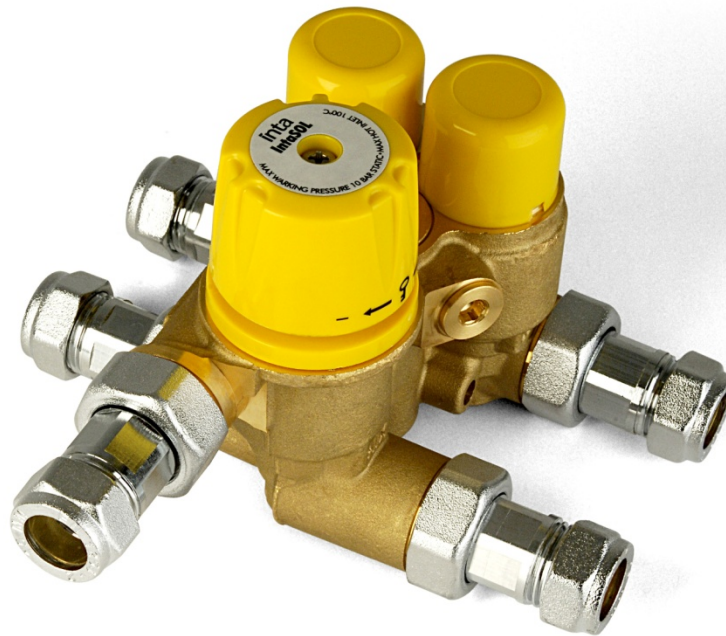
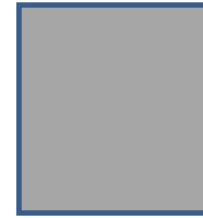
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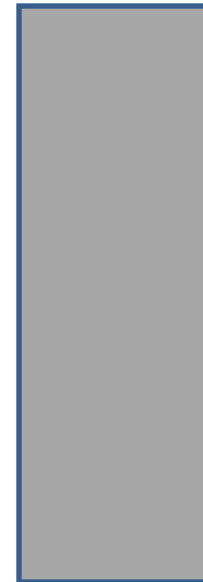
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Intasol – add solar to an existing combi boiler



3 valves in 1

- diverts
- blends
- controls temperature

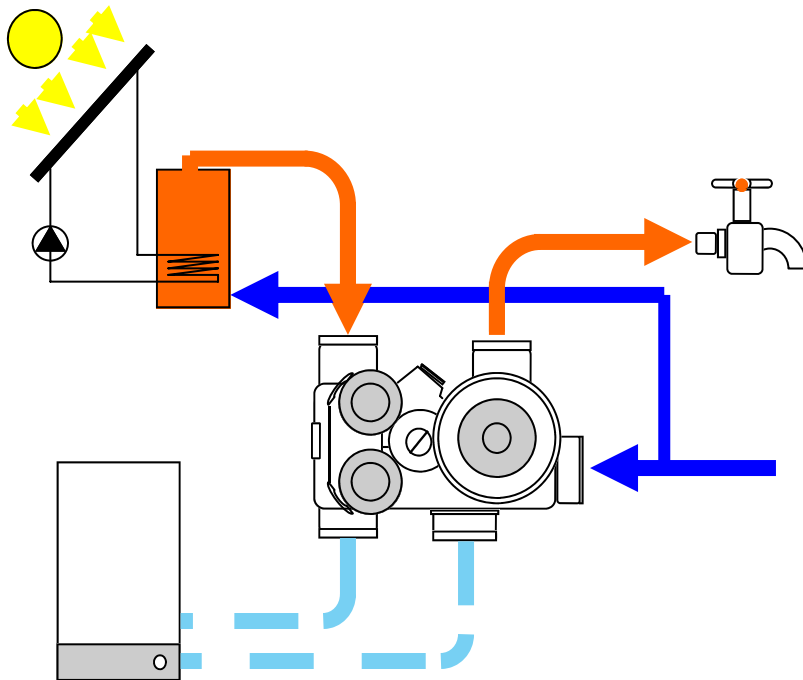


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Intasol when solar is available



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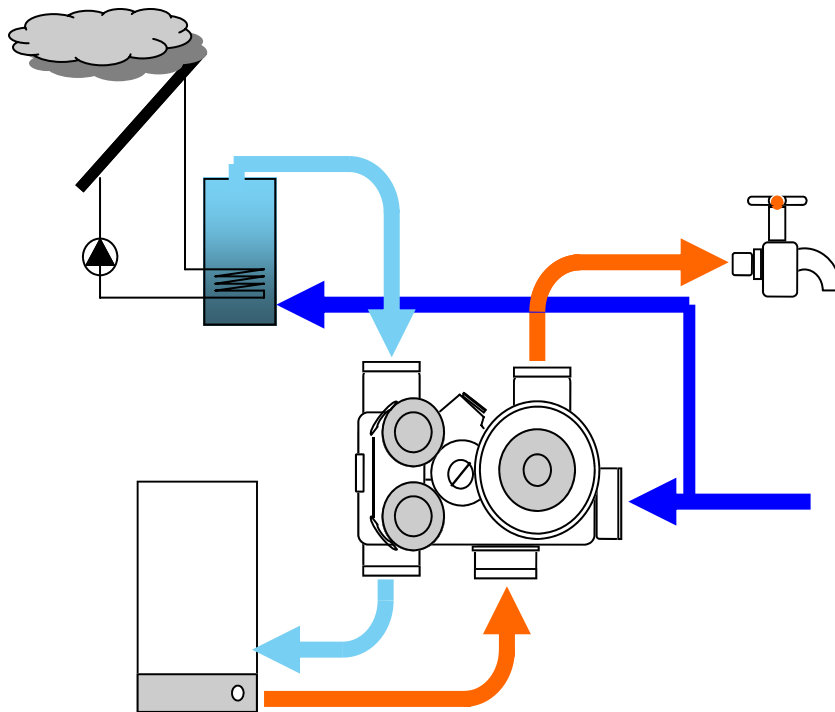
Solar is heating the water

Solar heated hot water delivered direct to taps



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Intasol when solar is NOT available.....



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Intasol diverts to the
combi boiler which
takes over heating the
water....
automatically



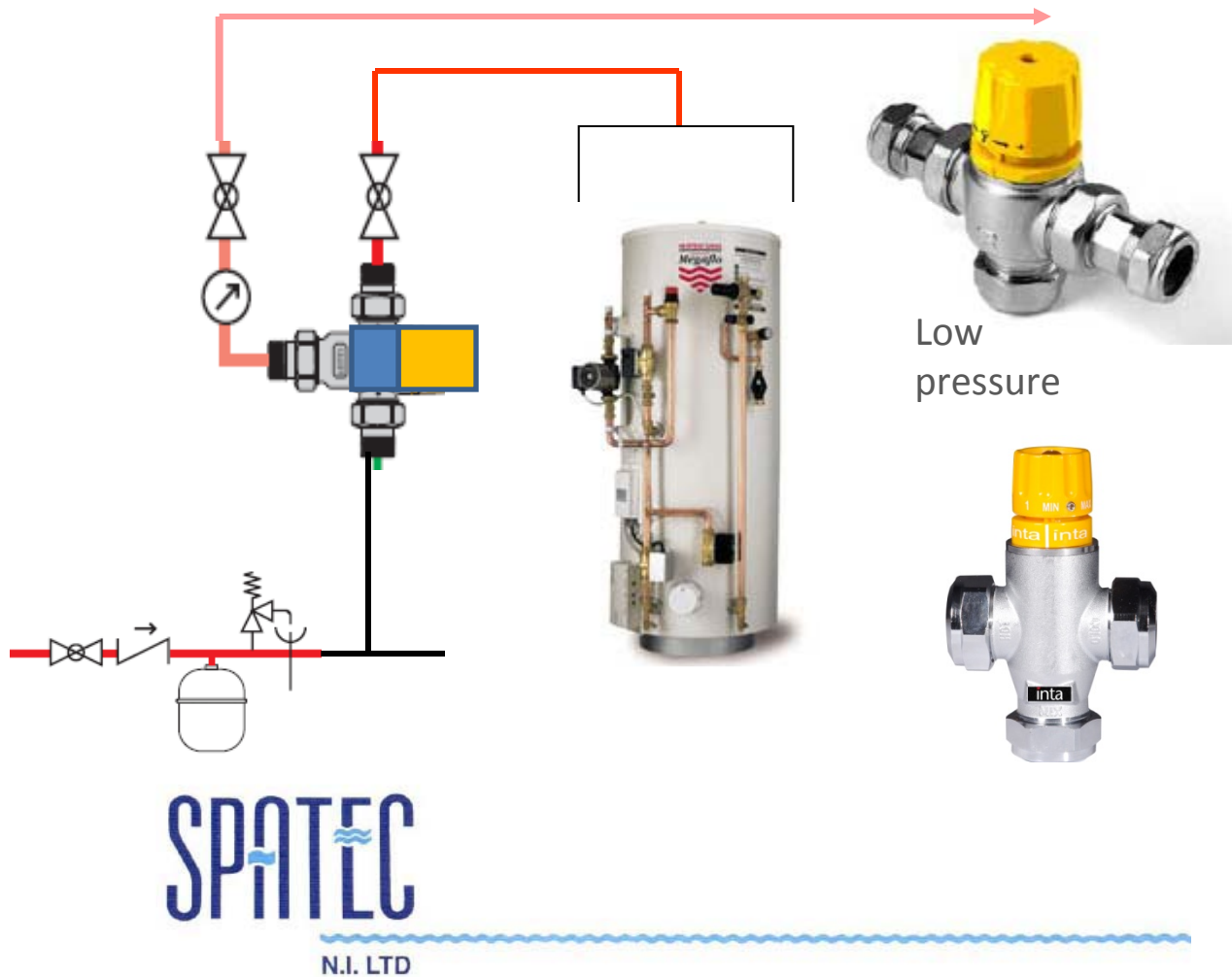
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solar valves – thermostatic mixing valves



Solar heated water
can be stored at very
high temperature.

Solar TMV acts as a
group mixing valve
protection against
high temperature
water



solar valves – automatic air vent



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Solar Automatic
AirVent
SOLAIR31

Isolating Valve for the
Solar AAV
300284



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solar valves – air removal

solar air-stop



solar de-aerator



Solar Airstop manual
collector vent
22mm x 3/4

In line Deaerator
1" or 1 1/2"

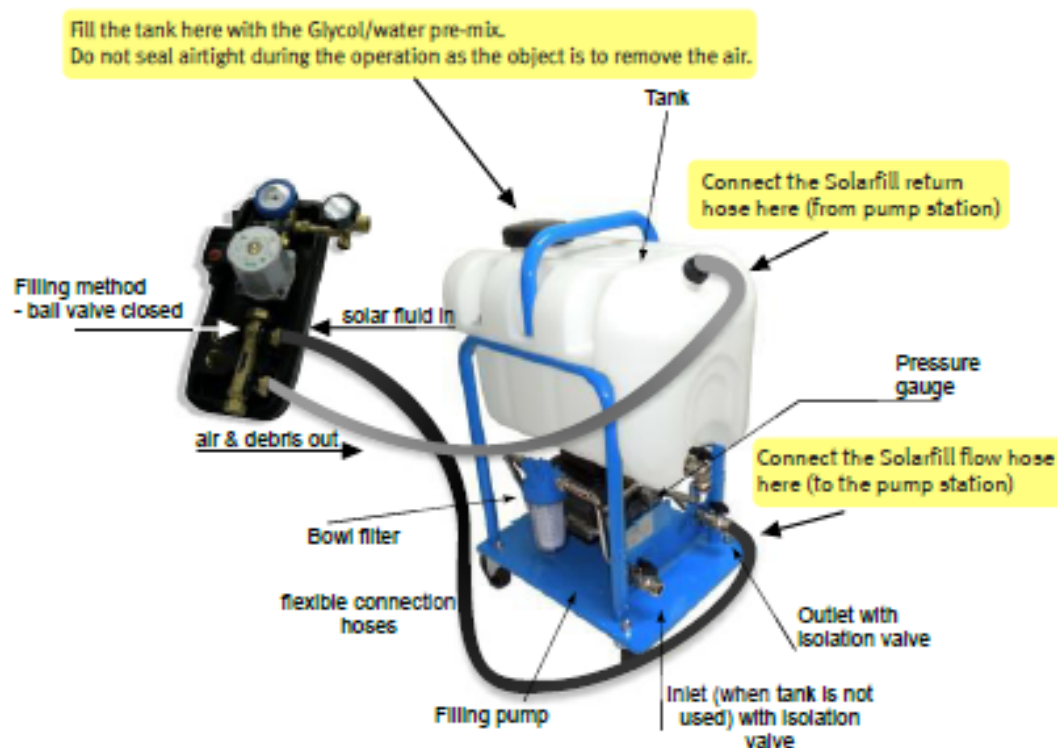
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filling the solar system



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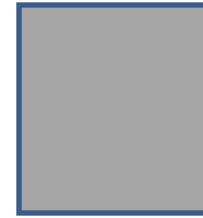
Solarfill
pump & purge

glycol or antifreeze



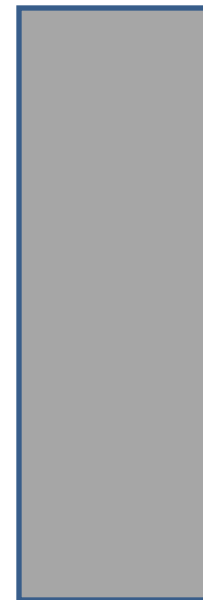
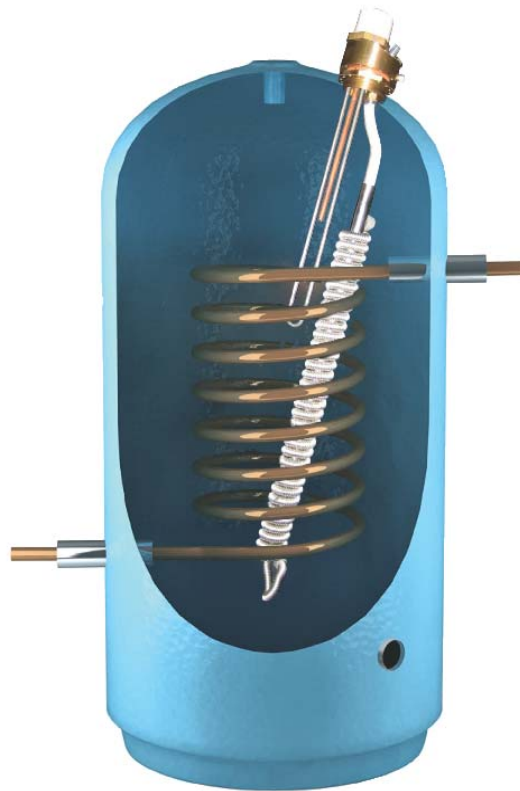
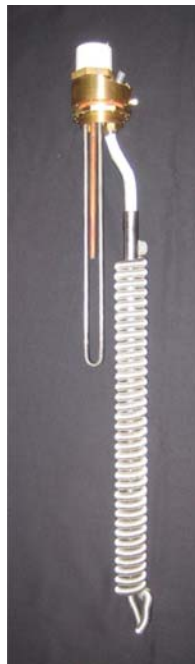
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*converting an existing cylinder to
solar them use.....*



solarvert

replaces the immersion
heater on an existing
cylinder



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solar installer's tools.....



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solar engineers test
kit.

flange making tool

stainless steel pipe
cutter



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solar jointing compounds



Key features

- Suitable for temperatures up to 160°C
- Suitable for pressures up to 15 bar
- Suitable for the usual heat transfer media in solar cycles
- Does not dry out • allows dismantling and/or reconfiguration of installations

see with traditional hemp for glycol fluid joints.

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*Just some of the products from
solar thermal specialists....*



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ask for by
name at..

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