

SOLAR KIT

New



- Thermostatic kit to connect a solar panel to the boiler for thermic integration.
- Provide the end user with a constant temperature of sanitary hot water, for installation which uses solar energy coupled with another source, like gas boiler.
- Totally autonomous and works without electric supply.
- For solar panel with natural circulation as for solar panel with forced circulation.

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A Division of Watts Water Technologies Inc.

New

**Application:**

If the water coming from solar tank is already hot enough (above the set and desired temperature of 45°C), it is automatically mixed with cold water by a mixing valve in order to guarantee the desired outlet temperature and makes outgoing water scald safe.

When the solar temperature is too low (under 45°C), it is diverted to an additional heat source (like gas boiler) to be heated and then mixed at the set and desired temperature for hot water domestic applications.

*totally autonomous
and works without
electric supply*

Features and benefit:

- Totally autonomous : energy saving.
- No wires and cable for probe or sensor : time saving.
- Easy installation both on new and existing systems.
- Distributes hot water to the domestic water system at an ideal controlled temperature.
- Complete with anti-scald thermostatic mixing valve, automatic bypass/diverter valve.
- Complete combination valves all in a easy to install kit.

Specifications:

Medium : potable water.

Bypass valve opening temperature : 45°C (factory set).

Temperature range mixing valve : 30 to 65°C.

Operating pressure range:

- Maximum static pressure 10 bars.
- Flow rate pressure, hot water and cold water 0,2 to 5 bars.
- Hot water feed temperature 52* to 110°C.
- Cold water feed temperature 5 to 20°C.

* the temperature difference between hot water and mixed water must be 10°C minimum.

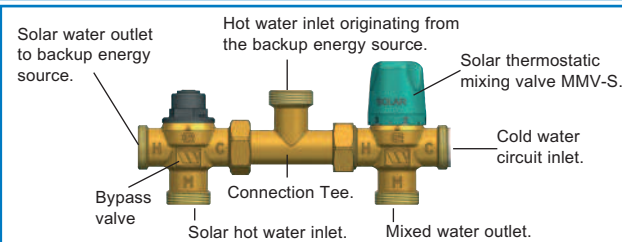
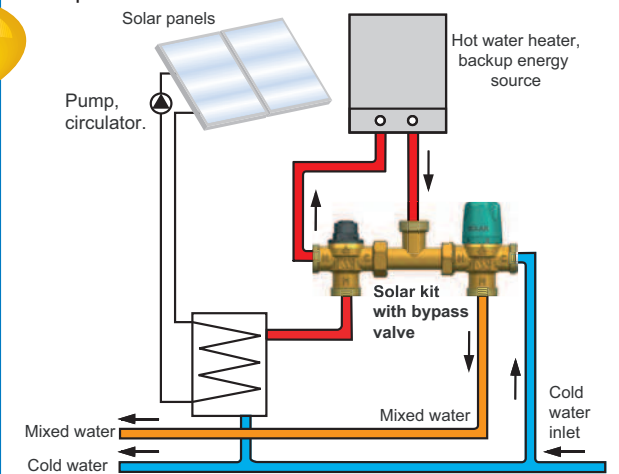
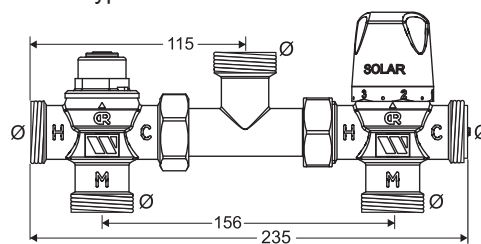
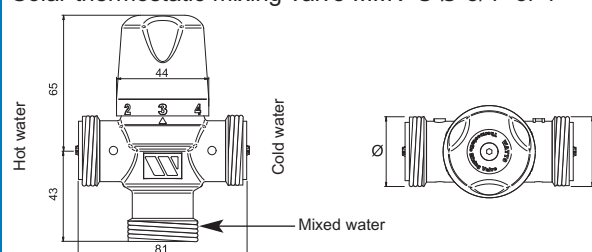
diameter	type	ref code
M 3/4" (20x27)	KIT-SOL	97591
M 1" (26x34)	KIT-SOL	97590
M 1" (26x34)	KIT-SOL	97592

with adjustable bypass valve setting range from 45°C up to 52°C.

Materials & weight :

designation	material
Body	brass DZR anti-corrosion CW602N
Finish	sandblasted brass
Elastomer seals	EPDM
Heads	PA with glass fibre
Pistons	PSU
Other components	brass CW614N
Mixer precision	± 2°C (with balanced dynamic pressures)
Net weight	1,140 Kg

Before installing the solar kit, carefully drain the hot water and cold water inlet pipes to remove any dirt liable to be in the installation.

Solar panels with forced circulation.**Solar kit with bypass valve Ø 3/4" or 1"****Solar thermostatic mixing valve MMV-S Ø 3/4" or 1"**

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