BOSCH Thermotechnology South Africa

BOSCH

BOSCH Water Heating Solutions

1) Solar Water Heating

TSS150/200/300
for residential



2) Gas Water Heating

Compact WR range
for residential



Therm 6000/8000 S
for high residential / commercial applications





3) Hybrid Solutions

TSS + Gas backup:

- Compact WR range (requires solar kit)
- Therm 6000/8000S (no solar kit required)



4) Heat Pump Outdoor



5) Electrical Water Heaters



6) Industrial Boilers



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1) Solar Water Heating

TSS150/200/300

for residential





- 150 / 200 / 300 L
- thermosyphon, indirect, flat plate
- Al/Cu full sheet absorber
- PVD coating
- single-piece aluminium frame
- double-jacket geyser
- built-in expansion vessel (USP)
- roof hooks for easy installation (USP)
- SABS Mark, Eskom Rebate

BOSCH TSS	TSS 150	TSS 200	TSS 300
Tank capacity (L)	150	200	300
No. Collectors	1	1	2
ESKOM Rebate	TBC	TBC	TBC

Being a long-established company in RSA with more than 800 employees locally, and with 30 years of experience in SWH worlwide, **BOSCH is in a unique position to offer peace of mind to end-users in RSA, ensuring their investment is protected** by great product quality, efficiency, durability, and backup service for years to come.

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2) Gas Water Heating

Compact WR range

for residential





Solar Kit

- 11, 14, 18 L/min
- LPG / NG
- Battery Ignition
- Hydro Ignition (no battery needed)
- Compact design
- Safe, Durable and Reliable
- Instantaneous (endless hot water)
- Solar-compatible via Solar Kit
- 20 years in RSA

Flow rate at 25°C temp rise (l/min) (ie 10°C inflow to 35°C outflow)		11	14	18
Single-point	Kitchen sink			
	Wash basin			
	Shower	●		
	Bath	■	▲	●
Multi-point	Wash basin + shower	■	▲	●
	Shower + bath + wash basin		▲	▲
Dimensions (H x W x D cm)		68 x 36 x 22	75.5 x 40 x 22	75.5 x 46 x 22
Output (kW)		19.2	24.4	27.9
Gas consumption (kg/h)		1.9	2.2	2.6



Choosing the right model (■ – suitable ▲ – recommended ● – for best performance)

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2) Gas Water Heating

Therm 6000/8000 S

for high residential / commercial applications





- 24 - 27 L/min
- Condensing (95% efficient)
- LPG / NG
- Thermostatic-controlled
- Also suitable for Outdoor
- Solar-compatible (built-in)
- LCD display w/ back light
- Remote Control (up to 6 per unit)
- Cascading (up to 12 units)

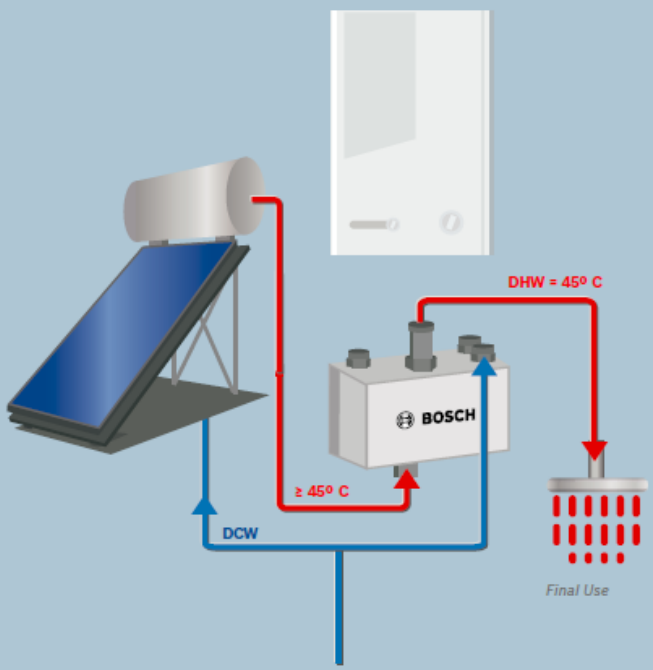


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3) Hybrid Solutions

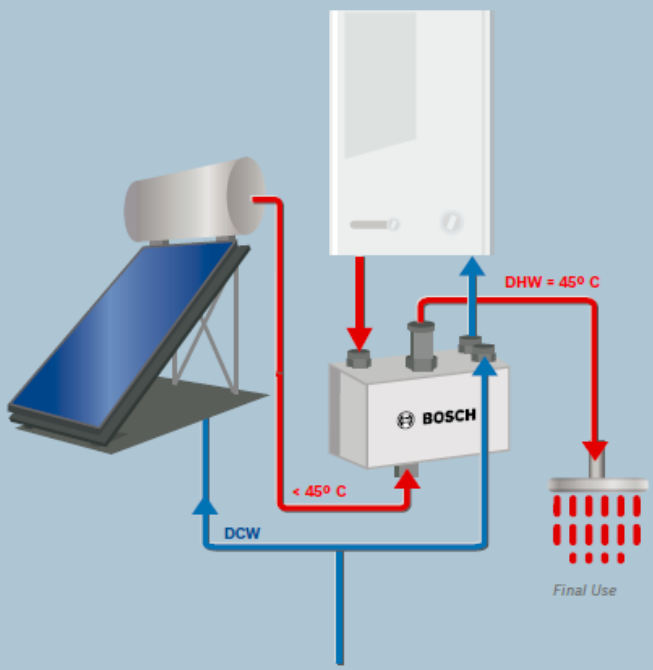
SWH + backup w/ WR Gas Geyser

If the water temperature in the solar tank is equal to or higher than 45 °C, the Solar Kit supplies directly to the domestic hot water. The appliance remains off.



Scenario no. 1: temperature is equal to or greater than the preset value

If the water temperature in the solar tank is less than 45 °C, the Solar Kit re-routes the water to the appliance. The appliance heats up the water and the mixing valve cools down to 45 °C.



Scenario no. 2: temperature is below preset value



Advantages at a glance:

- Best-in-class warm-water comfort for your customers due to universal solution with bypass function
- Usable with all gas water heaters and gas combination boilers
- Immediately operable
- Easy to install thanks to a spacer which permits installation over obstacles
- Easy maintenance thanks to removable front coverand easy access to three-way valves and constructio
- Option to use solar energy now or in the future

Technical data	
Preset outlet temperature	45° C ± 2° C
Max. water pressure (static)	10.0 bar
Max. water pressure (dynamic)	5.0 bar
Recommended water pressure	2.56 bar
Minimum water pressure	1.4 bar
Permissible pressure drop at water flow of 10 liters/minute	0.8 bar
Min. water flow for stabile temperature	4 L or ≥ than min. flow rate of appliances
Min. water flow for stabile temperature	> 20.0 L/min
Max. water temperature	100.0° C
Installation	Horizontal
Weight in kg	2.5
Dimensions	
Length in mm	224
Width in mm	127
Depth in mm	111



Solar Kit

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4) Heat Pump Outdoor

Compress 3000 DW FO



- 270 L capacity
- COP = 3.5
- Operating Temp: +3ºC/40ºC
- Electronic Temp Control
- Efficient Power Management
- Possibility to use indoors
- Large display (LCD)
- Replaceable tank
- Replaceable HP module (USP)
- Electrical backup
- Developed to be the „Best in Class“

coming soon



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5) Electric Storage

Tronic 1000T



- 35 – 120 L
- Internal tank material: Steel Enamelled
- Rated Pressure: 8 bar
- Temperature control: Mechanical
- Water Temperature range: 30ºC – 70ºC
- Power Supply: 230V / 50Hz
- Heating Element: Immersed
- Installation: Vertical
- Protection grade: IPX4



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6) Industrial Boilers

Hot Water and Steam



Main Customers in SA:

- Heineken / Amstel
- SASOL
- Volkswagen
- Mercedes-Benz



Two of the innovative UT-M hot water boilers at Sedibeng Brewery in South Africa (© Ago AG www.ago.de).

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