PRODUCT WARRANTY

Solar Lifestyle cc T/a SunScan™ warrants this Product as follows:

PRODUCT:	WARRANTY PERIOD
200L SunScan SunSilo Stainless Steel Hot Water Cylinder (Inner Tank Only)	Five (5) Years

The product is covered for the indicated period from the date of purchase and is provided under the following conditions:

• SunSilo Stainless Steel 200L HWC's manufactured for and under the SunScan brand are warranted to the original user only to be free of defects in material and workmanship for a period of sixty (60) months from date of sale. SunScans' liability under this warranty shall be limited to repairing or replacing at SunScans' option, without charge, F.O.B. SunScans' Warehouse or authorized service station, any SunSilo HWC. SunScan will not be liable for any costs of removal, installation, transportation, or any other charges which may arise in connection with a warranty claim. Products which are sold but not manufactured for or under the SunScan brand are subject to the warranty provided by the manufacturer of said products if any and not by SunScans' warranty. SunScan will not be liable for damage or wear to products caused by abnormal operating conditions, accident, abuse, misuse, unauthorized alteration or repair, or if the product was not installed in accordance with SunScans' printed installation and operation instructions. To obtain service under this warranty, the defective product must be returned to SunScan or a dealer of SunScan products from which it was purchased together with proof of purchase, serial number, Photographs of installation, installation date, failure date, and supporting installation data. Unless otherwise provided, the distributor or dealer will contact SunScan for instructions. Any defective product to be returned to SunScan must be sent freight prepaid; documentation supporting the warranty claim and/or a Return Authorization must be included if so instructed.

Should the product require replacement or repair during this warranty period only the balance of the original warranty period will remain effective.

Warranty claims will not be considered If the defect in the product arises from:

- The HWC being supplied by any water source other than potable municipal supply at a maximum working pressure of 400Kpa.
- The designed working temperature exceeds 75ºC.
- Use of any unsuitable material that may cause or speed up the effects of chemical or electrolytic action.
- Failure of any valve whether or not supplied by SunScan that causes the HWC to exceed a working pressure of 400Kpa.

Register Warranty

Product Serial:_____Installation Date:_____2019

Installer:_____Tel:_____Sign:_____

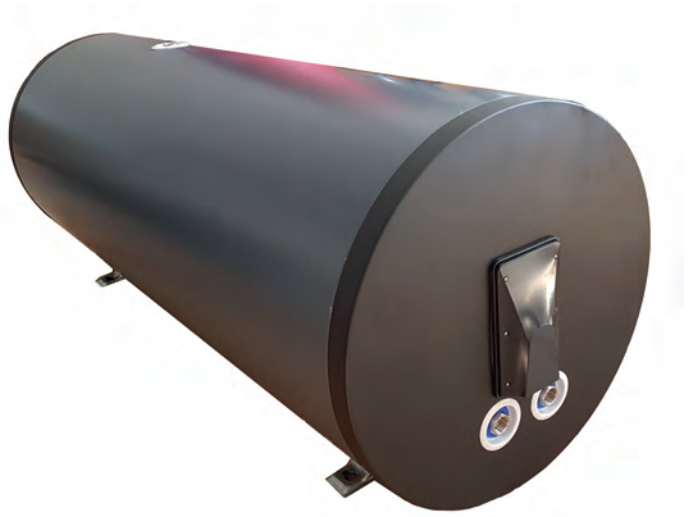
Name and Surname:_____Sign:_____

Please complete the above and email to info@sunscan.co.za

SUNSCAN™
Solar Energy Technologies

SUNSILO SOLAR READY GEYSER

INSTALLATION MANUAL & WARRANTY



Solar Lifestyle t/a SunScan™
19.0

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Introduction

Congratulations on purchasing a SunScan SunSilo Solar ready geyser, all of our geysers use cutting edge technology and attractive design to bring you a high quality product.
This manual must be read thoroughly and understood before undertaking to install any of the SunScan range of geysers, please note that this manual is specific to the product/s listed or described on the cover page. If after reading this manual any aspect of the installation process remains unclear contact a SunScan representative prior to installation.

This manual serves only as a guide to the correct installation of SunScan components; it does not seek to defy logic and or the experience of suitably trained installers, use discretion within the parameters of the below standards.

SunScan water heating apparatus must be installed in compliance with the following:
SANS 198, SANS 10252 -1, SANS 10254, SANS 10106, SANS 60335-2-21
SANS 10400 – parts A, B, L, XA, SANS 10142-1
No modifications from these standards are allowed.
All local bylaws and estate laws must also be adhered to.
Failure to comply with any or all of these standards may result in injury or death and may void the warranty.
Any attachment, connection, integration or general association of parts or components that directly or indirectly affect the operation or performance of a SunScan product could void the warranty. Such parts not supplied by SunScan must be authorised by SunScan in writing in order to retain the benefits of the warranty.
SunScan does not accept responsibility for the final fitness of the water for consumption, as the water quality is not affected by the geyser.

Contact Us :

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Element: If the geyser is installed inside i.e. ceiling space, inspect drip tray and overflow for possible leaks before attempting to drain the geyser.
Open the drain cock valve attached to the geyser (cold inlet), and allow geyser to drain, it is recommended that one vacuum breaker be removed to speed up this process.
Remove the electrical cover, disconnect wiring to thermostat and element remove thermostat from thermal pocket.
Ensure the geyser has drained, remove the element by unscrewing (anti-clock-wise).
Replace element with new element of equal kilowatt rating.
Re-insert thermostat and re-wire thermostat and element.
Close drain cock valve, replace vacuum breaker if removed and switch on water supply, allow geyser to fill, check for leaks, if no leaks are present replace electrical cover and switch on electrical supply.

T.P. Valve: Open a hot water tap that is serviced by the geyser and allow the geyser to drain, ensure that all hot water from pipe to tap has been drained before attempting to replace the temperature and pressure safety valve.
disconnect drain pipe attached to t.p. valve, unscrew t.p.valve (anti-clockwise) replace t.p. valve for like (SABS approved 400kpa), reconnect drain pipe, close hot water tap and refill geyser, inspect for leaks before switching on electrical supply.

Emergency Shutdown

In the event of pipe and or geyser failure:

1. Switch off electrical supply to the geyser this can be done at the electrical distribution board.
2. Switch off the water supply to the geyser this can be done at the mains supply tap.

Installation

Safety

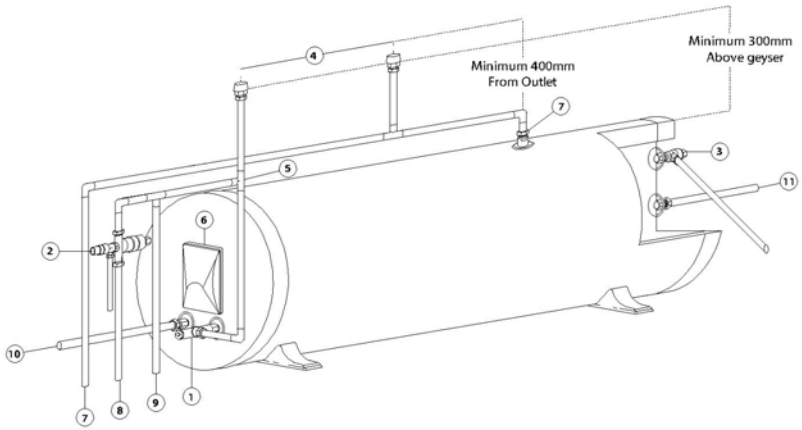
All installations are to be carried out in accordance with the Occupational Health and Safety Act (Act 85 of 1993) requirements and any relevant local authority prescriptions.
• Always ensure that the Water and Electricity Supply is off or isolated before any work commences.

Clearance

A minimum clearance of 600mm is required at both ends of the geyser, this is to allow for the maintenance and inspection of the electrical components as well as the temperature and pressure safety relief valve.

Plumbing

• A pressure control valve and expansion relief valve not exceeding 400kpa must be fitted on the supply inlet pipe to the geyser this may be incorporated in one unit, an expansion vessel may also be added in addition to the expansion relief valve.
• there may not be any inline obstruction between the expansion relief valve and the connection to the geyser, this includes any shut off valves, check or non return valves.
IMPORTANT!
Please note that if the geyser is intended to be installed vertically the **Outlet (Red)** port must be used as the solar return (from Collector), and the **From Collector (Red)** port must be used as the hot outlet.
Inlet Supply (Blue)
Connect the Drain cock to the port labelled Inlet supply, connect the cold water supply to the drain cock, ensure that an "anti-syphon loop" that extends above the highest part of the geyser is installed and that a vacuum breaker with a minimum height of 300mm above the geyser is installed on the inlet supply.
Outlet (Red)
Connect the pipe that will transport hot water to the required services, i.e. taps, to the port labelled Outlet, ensure that a vacuum breaker with a minimum height of 300mm above the geyser and 400mm away from the port is installed on the hot outlet pipe.
T.P. (Red)
Connect a temperature and pressure safety valve not exceeding 400kpa with a diameter equal or greater to that of the inlet supply port, ensure that the discharge pipe attached to the valve is copper, is not reduced in diameter and terminates safely outside, the discharge pipe must remain open to the atmosphere and not be obstructed.
To Collector (Blue)
Connect the pipe that will supply water to the Solar Collector to the port labelled To Collector. (See SWHS installation manual).
From Collector (Red)
Connect the pipe that will return water from the Solar Collector to the port labelled From Collector. (See SWHS installation manual).



1	(Drain cock) Inlet Supply		
2	Pressure control valve and expansion relief	7	Hot water Outlet
3	(Temperature & pressure safety valve) T.P	8	Cold water Supply
4	Vacuum breaker	9	Cold water balance
5	Anti-Syphon Loop	10	To Collector
6	Electrical cover (Element & thermostat)	11	From Collector

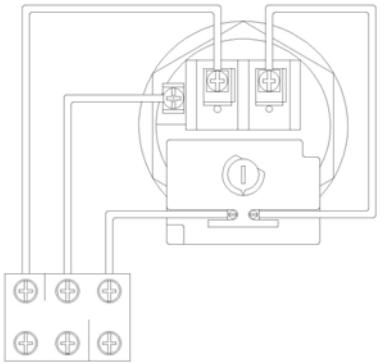
Horizontal installation

Electrical

• This appliance must be earthed, All electrical connections are to be carried out by a qualified electrician.
• Always ensure that the geyser is full before making any electrical connection.
• A Fail-safe thermostat must always be installed (Type VKF 11).
• Only approved single phase (230v) 1 1/4" BSP boss type element may be used.
• A minimum of 2.5mm^2 cable must be used to make the connection.

Remove the electrical cover.

(L)
Connect the live wire to the terminal labelled L
(N)
Connect the neutral wire to the terminal labelled N
⏚
Connect the earth wire to the terminal labelled Earth ⏚



N ⏚ **L**

Maintenance

Safety

• Any and all maintenance is to be carried out by suitably qualified personnel only.
• In the case of an emergency, see emergency shut down procedure.
• Before attempting any form of maintenance:
1: Shut off electrical supply to geyser.
2: Shut off water supply to geyser.

Thermostat: Remove the electrical cover, disconnect the wiring to the thermostat, remove thermostat from the thermal pocket, replace thermostat with SABS approved vkf 11 type thermostat, reconnect wiring, adjust temperature setting using dial.
SunScan recommends a temperature setting not exceeding 60° C.