Pre-instruction Literature

On Receipt

It is our policy to promote safe delivery of all orders. This product shipment has been thoroughly checked, packed and quality certified before leaving our factory.

Visible Loss or Damage

If any of the goods called for on the bill of lading or express receipt are damaged or the quantity is short, do not accept them until the freight or express delivery agent makes an appropriate notation on your freight bill or receipt.

Concealed Loss or Damage

When a shipment has been delivered to you in apparent good condition, but upon opening the packaging if any loss or damage has taken place while in transit, inform the carrier's agent / A. O. Smith representative immediately.

About this manual

This manual is a guide to good practice for operating and periodic maintenance of the A. O. Smith Elegance Water Heater. Do not operate the Water Heater before reading the

Please follow instructions in this manual to ensure personal safety and proper operation of this product. Always install, operate, inspect and maintain this product in accordance with all applicable standards. Please store this user manual carefully for any future reference.

Disposal of this Product

(Waste Electrical and Electronic Equipment)



This marking on the product, accessories or User Manual indicates that the product and its electronic accessories (e.g. Remote, batteries and other replaceable electronic accessories) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable re-use of material resources.

Household users should contact their local government office, for details of where and how they can take these items for environmentally safe recycling. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

General Instructions

Your safety and the safety of your loved ones is paramount. There are several safety related messages in this manual, which have been provided during various steps such as the installation, operation and maintenance of your Elegance Water Heater. These messages point out potential hazards and also educate on how to reduce any potential risks. Please always read and follow all safety messages as provided in this user manual.



This is the safety alert symbol. This symbol alerts you to potential hazards that can hurt you and others. All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING".

⚠ DANGER

avoided, will result in death or serious injury.

⚠ WARNING

Indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury. ndicates a potentially hazardous situation which, if not voided, may result in minor or moderate injury or property

WARNING

damage.

Do not use this Water Heater if any part has been under water. Immediately contact an Authorised Service Technician to inspect the Water Heater and replace any part of the control system which has been under water. Failure to follow this instruction can result in property damage, serious injury or death.

IMPORTANT

These instructions have been written as a guide for the proper installation and operation of your Water Heater. A. O. Smith will not accept any liability where these instructions have not been followed. However, for your safety and to avoid damage caused by improper installation, it is recommended that Water Heater must be installed by an Authorised Service Technician.

Before proceeding with the installation instructions:

- 1. Inspect the Water Heater and its component parts for possible damage. Do Not install or attempt to repair any damaged component parts. If you detect any damage in the Water Heater, please contact the dealer where the Water Heater was purchased or call Customer Care Centre.

 Verify that the voltage being supplied corresponds to that which is marked on the
- Water Heater manual

2

Specifications

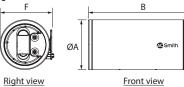
Model		Elegance	
Volume [L]		15	25
Power [W]		2000	
Voltage/Frequency [V/Hz]		230~/50	
Actual Stdg. Loss [kWh/24h/45°C diff.]		0.461	0.562
Reheating time for 35°C rise [in min.]		16	23
Temperature range [°C] 25		5-75*	
Rated water pressure	N/cm²	80	
	Water head (metres)	80	
Inlet/Outlet connections [inch]		½ BSP	
Net Weight (kgs.)		11.6	15.5

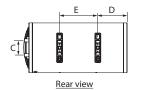
*The maximum set temperature may vary \pm 5 °C.

Dimensions

Model	15 L	25 L	Model	15 L	25 L
A (mm)	338	338	D (mm)	180	193
B (mm)	509	704	E (mm)	120	260
C (mm)	100	100	F (mm)	352	352

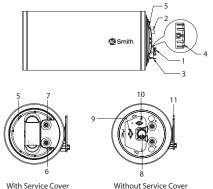
Figure 1





Note: The above configuration is also available in Left Hand Side (LHS) models.

Figure 2



PART

9

10

11

12

DESCRIPTION

Thermostat

Glass wool+

Thermal cut-out

Wall mount bracket

Heating element and Anode

Wire harness and routing +

Note: The above image shown is Right Hand Side mode

PART	DESCRIPTION
1	Cold water inlet
2	Hot water outlet
3	Multi-function safety valve
4	Temperature control knob
5	Service cover
6	Blue sticker
7	Red sticker
	1 2 3 4 5

⁺ Not illustrated for clarity purpose.

A. O. Smith Advantage...



Longer life in toughest water conditions with Blue Diamond® Glass Lined



Long lasting performance with glass coated incoloy heating element.



Easy access temperature control knob for choice of bathing water



Compact size ergonomically and aesthetically designed water heater.



 $\label{lem:condition} Double\ Protection\ for\ your\ family\ with\ Thermal\ cutout\ and\ safety\ valve$



Long-lasting Anode Rod with 2X lifespan even in hard water conditions.

Note: A. O. Smith reserves the right to amend or modify the specifications and features at any time, as and when required without any prior notification.



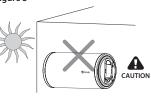


Product colour and image shown may vary from the actual product. Part No.: 335271-100_A Date: 11-06-2021

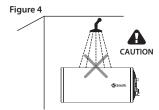
Safety Precautions

During Installation

Do not install the Water Heater where there is direct sunlight or rain. It is has to be installed indoor only.



Do not install the Water Heater where Figure 4



Installation

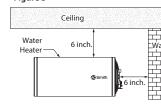
Before installing, ensure the tools Adjustable wrench, Teflon tape, Measuring tape, Hammer, Bubble level indicator and Impact drill tool are available.

Mounting the Water Heater

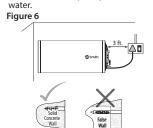
- It is recommended as per IS302-1 to
- have 6 inches clearance from wall.

 Select a place to mount Water Heater horizontally with water connection at the bottom

Figure 5



 Water Heater must be located within 3 ft. (approx.) from a 230 V electrical outlet with proper grounding. Make sure that the wall can withstand at least twice the weight of the Water Heater when completely filled with

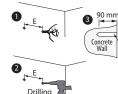


User Manual

elegance

Use a drill bit with diameter of 12 mm to drill 2 holes at least 90 mm deep in the wall (Step 3). The two holes should be aligned horizontally. The horizontal distance between 2 holes is shown in Page 3 (Refer Dimensions table).

Figure 7



 Insert the Expansion Anchor into the hole (Step 1).
Insert the Hanging screw over the Expansion Anchor and tighten the

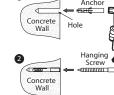
Water Heater elegance

Smith

15 and 25 Litres

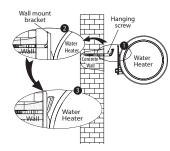
Hanging screw by rotating it till it gets fixed steadily (Step 2).

Figure 8



Mount the Water Heater on the Hanging screw through Wall mount bracket. Tug downwards on the Water Heater to ensure that the Water Heater is fixed steadily.

Figure 9



▲ DANGER



Hot water is dangerous, especially for the young children, aged or the disabled. The Water Heater allows you to control the temperature of your hot water. Water temperatures over 52°C can cause severe burns instantly or death from scalds. Do not leave a child or an infirm person in the bath unsupervised.

Front Side Size: 420 mm (W) x 297 mm (H)



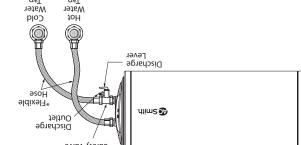
to cold water inlet pipe and rotate it in clockwise direction till it gets fixed.

Connect the Multi-function Safety valve

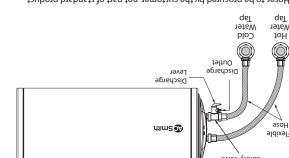
Figure 12 Installation Diagram

Right Hand Side (RHS) model

Connecting to Water Supply



plod **Safety Valve**



"Installation Diagram").
A. O. Smith recommends Nylon/ Stainless Steel (SS) braided hoses (Flexible Hoses) having a minimum pressure rating of 8 Bar and hoses should be compatible for hot Make necessary plumbing with reference to the Installation Diagram (Refer

· Connect the cold water pipe to the inlet [Blue Sticker]. water applications.

discrasting water from the water Heater.

It is recommended to operate the Discharge lever in the Multi-function Safety valve on a regular basis to ensure that there are no blockages and also to remove any lime deposits that would have been formed inside the Water Heater.

Ensure that the Water Heater is in power OFF condition when the Discharge Lever is being operated. Ensure that the water is filled completely in the Water Heater before switching it ON.

Ensure that the Multi-function Safety valve is not damaged while tightening.

case excessive pressure is developed. The contents of the discharge from the Multi-function Seriety valve may be hot and may cause burns to the users and damage nearby objects, therefore it is recommended to take pre-cautions while discharging water from the Water Heater.

Discharge Outlet is provided to release the discharge from the Water Heater in to prevent it from dripping or releasing the excess pressure inside the heater. Failure to do so may result in damage to the Water Heater and injuries to the user. This will also make the warranty null and void.

The Multi-function Safety valve should never be removed or blocked by any means

MOITUA⊃ <u>↑</u>

Note: The Multi-function Safety valve may drip during the usage of the heater. As the water is heated, it expands and tries to flow back through the inlet pipe but is prevented by the presence of the non-return valve (an external valve provided before cold water tap). Hence water may drip from the Multi-function Safety valve. Therefore, Discharge Outlet is provided to discharge water from the Water Heater. To avoid dripping, it is recommended to install non-return valve at a distance of at least 40 feet any provided to install non-return valve at a distance of at least 40 feet way from the inlet of the Water Heater.







Wrap the threaded part of the cold water inlet pipe with Teflon tape in clockwise direction

Figure 10

Connecting Multi-function Safety valve

Draining the Water Heater Tank

Whenever the Water Heater is not used for an extended period or if the product is below freezing temperature, you will need to unplug the unit and drain it.

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Safety valve upwards. (Refer "Figure

Close cold water supply.
 Drain the water by lifting the
 Discharge Lever of the Multi-function
 Colory

Water neater faucet until the

Switch OFF the electric supply to the

vater runs cool.

When the temperature of the water drops by $S^\circ C$ from the set temperature due to usage of water, the Water Heater again enters into the Heating mode.

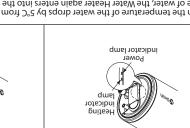






Figure 17	
shown in "Figure ۱۲". 	Figure 16
and Heating indicator lamp switch off as	. _" 9l
cut-off, the Power indicator lamp glows	indicator lamp glows as shown in "Figure
Standby mode due to the thermostat	enters into Heating mode. The Heating
temperature, it will enter into the	water is less than the set temperature, it
After the Water Heater reaches set	When the actual temperature of the

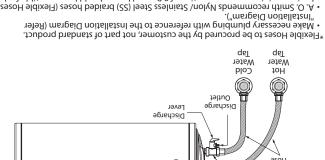
inner tank of the Water Heater: There are two types of modes depending on the actual water temperature inside the

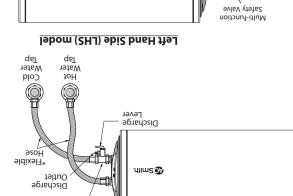
Turn the Temperature control knob clockwise for the device to commence heating and change the set temperature [The set temperature control knob is turned clockwise]. Temperature can be adjusted from $\Delta S^{\circ}C$ to maximum $\Delta S^{\circ}C$.

function Safety valve during

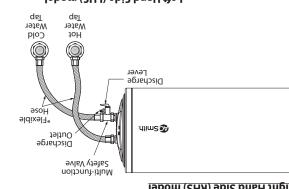
Water dripping from Multi-

Water leakage from product.





Multi-function Safety Valve



Re-connect piping, using Connection not sealed. Piping Call Customer Care Centre. Water heats slowly. Low voltage at supply mains. Call Customer Care Centre. Thermal cut-out not operating. .ngin oor Call Customer Care Centre. Water Call Customer Care Centre. mproper thermostat operation. lamp and Heating indicator lamp glow but no hot The Water Heater may not operate as desired if used incorrectly or there is a minor cause, even though the product has no fault. In these cases, check the following issues Troubleshooting

71

close to the inlet of the Water Heater.

Non-return valve is installed

Leakage in tank or other parts.

problem still persists call Customer Care Centre.

distance of at least 40 feet from the inlet of the Water Heater (Refer page 7), if

Install Non-return valve at a

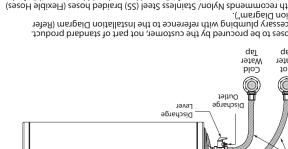
Switch OFF power immediately and call Customer Care Centre.

problem does not solve after checking the following issues, call Customer Care Cent			
Solution	Possible Cause(s)	Problems	
Check power supply and switch ON electrical switch	No power supply to the Water Heater.	Power indicator lamp and Heating indicator lamp does not glow.	
Call Customer Care Centre.	Thermal Cut-out has tripped or problem in internal wiring error.		
Call Customer Care Centre.	Heating Element breakdown or	Power indicator	

to solve simple problems without the help from the Customer Care Centre. If the

Please turn off the power supply to the Water Heater prior to draining the Water

MOITUA⊃ **△**



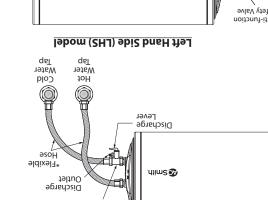


Figure 13 Filling the Water Heater lank

Operation

Failure to follow this instruction can result in property damage. leakage. • Use only Mylon\ Stainless Steel (SS) braided hoses (Flexible Hoses) having a minimum pressure rating of 8 Bar and hoses should be compatible for hot water applications

• Connect the hot water pipe to the outlet [Red Sticker].

Make sure a suitable Teflon tape is used for all plumbing connections to prevent

NOITUA⊃ <u>↑</u>

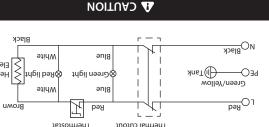
In order to avoid a hazard due to inadvertent re-setting of the Thermal cut-out, this MOLIUAS AL

Water Heater must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched ON and OFF by the utility.

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White	ənıg		ИОBIBCK
gil b∍Я⊗	AGreen light		PEO Tank
White	ənıg		Green/Yellow
	рәу	$\neg \lor $	ГО



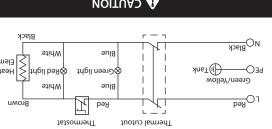


Figure 19

Circuit Diagram

Foul smell from hot water.

input water.

Vote: Call Customer Care No. 1800-103-2468/1860-500-2468. highly conductive water. Call Customer Care Centre. Anode options available for water due to dissolved solids in High electrical conductivity of before use of Water Heater. of time, drain the water. from the Water Heater. Ensure water is filled back

Do not splash water directly or clean with benzene, pesticides, thinner, alcohol, etc., but use a soft, dry cloth to clean the Water Heater.

This Water Heater should not be operated with insufficient amount of water. Failure to do so may result in damage to the Water Heater and injuries to the user. This will also make the warranty null and void.

Once the Mounting, Multi-function Safety valve, Plumbing and Water filling is completed, then only the power supply should be switched ON.

MOITUA⊃ **⚠**

No usage of hot water for a long

Presence of organic matter in input water.

used for an extended period

If the Water Heater is not

Provide treated water at the input.

repair the leaking joint and then refill the Water Heater.

leakage, drain the water completely, Check all the connections to see if there is any leakage. In case of a if there is any leakage.

piping. Close hot water faucet when water

permit air to escape. 2. Open the cold water inlet valve fully, filing the Water Heater and the

1. Open a nearby hot water faucet to

epown in the below figure. Unscrew the screw and remove the Wall mount bracket and Bracket support as the Tank bolt with the socket wrench.

Step 2.2: Loosen Bolt using

Step 2: Remove the cap and unscrew Step 1: Factory default installation (wall

Conversion from Wall Mounting Installation to Floor Mounting



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Figure 15

electric meter capacity and supply wire.

• The Water Heater should be earthed reliably. It is prohibited to connect the earth

• The Water Heater should be earthed reliably. It is prohibited to connect the earth

• If the power supply cord is damaged, it must be replaced by the manufacturer or

• If the power supply cord is damaged, it must be replaced by the manufacturer or

• If the power supply cord is damaged. It must be replaced by the manufacturer or

complete safety. Before installing the Water Heater, confirm that the power of Water Heater matches Connect the Water Heater using independent sockets, do not use any adapters. Use multimeter to check whether the live line and neutral line are not reverse, to ensure

socket for power plug and make sure the socket is in firm contact with the plug. Ensure that reliable earthing has hear days

The power cord and plug are connected with this Water Heater. Find a separate

MOITUAD ⚠

Connecting to Electrical Supply

Temperature Control Knob

be used for floor mounting. Separate floor mounting accessories have been provided

Step 5: Assembly finished depiction.

Step 3: Turn 90 degrees and remove four

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Note: The Water Heater comes with default wall hung installation. The same should not

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ooifellatsini Tool Floor

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:4.2 q93

Discharge