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

Specifications

Voltage/Frequency [V/Hz]

Inlet/Outlet connections [inch]

3 Ltrs.

317

217

236

N/cm²

Water head (metres)

Model

C (mm)

D1 (mm)

D2 (mm)

C C

Model

Volume [L]

Power [W]

Rated water

Net Weight (kgs.)

Dimensions Model

A (mm)

B1 (mm)

B2 (mm)

Figure 1

pressure

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

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.

1

SZS-3

4500

230~/50

80

80

1/2 BSP

4.4

65

195

228

D2

Model

E (mm)

F (mm)

G (mm)

3 Ltrs.

54

80

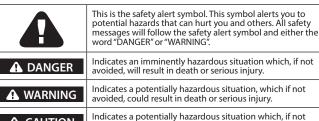
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Safety

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 SZS Water Heater. These risks. Please always read and follow all safety messages as provided in this user manual.



CAUTION avoided, may result in minor or moderate injury or property damage.

A WARNING

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 contact A. O. Smith Service personnel to 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

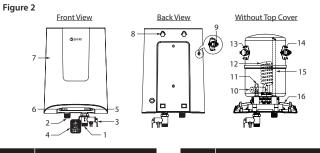
IMPORTANT

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:

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 A. O. Smith Customer Care Centre. Verify that the voltage being supplied corresponds to that which is marked on the Water Heater manual.

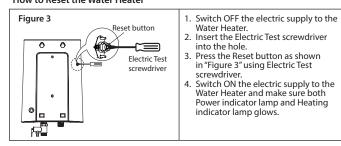
2



Description		Part	Description
Cold water inlet		9	Reset button
Hot water outlet		10	Anode
Multi-function Safety valve		11	Inlet pipe with diffus
Warning tag		12	Heating element
Heating indicator lamp		13	Thermostat
Power indicator lamp		14	Thermal cut-out
Top cover		15	Outlet pipe
Wall mount slot		16	Bottom cover
	Cold water inlet Hot water outlet Multi-function Safety valve Warning tag Heating indicator lamp Power indicator lamp Top cover	Cold water inlet Hot water outlet Multi-function Safety valve Warning tag Heating indicator lamp Power indicator lamp Top cover	Cold water inlet9Hot water outlet10Multi-function Safety valve11Warning tag12Heating indicator lamp13Power indicator lamp14Top cover15

Note: Press the Reset button only when Thermal cut-out has tripped.

How to Reset the Water Heater



4

A. O. Smith Advantage...



Blue Diamond Glass Lined Tank for 2X Corrosion Resistance.



5 years warranty on inner tank. 3 years extended warranty* on heating element.









A Smith Designed with Better Technology to Provide Better Performance. *★ Long-Lasting Anode Rod with 2X Lifespan Even in Hard Water Conditions. Double Protection with Thermal Cut-Out and Multi-Function Safety Valve. 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. : 335271-069_A Date: 11-02-2020

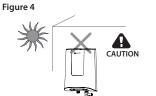
Safety Precautions

During Installation

ISO

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

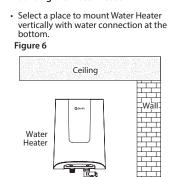


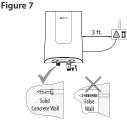
water splashes on the Water Heater Figure 5 A

Do not install the Water Heater where

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





• Water Heater must be located within 3 ft. (approx.) from a 230 V electrical

Make sure that the wall can withstand at least twice the weight of the Water Heater when completely filled with

outlet with proper arounding.

water

5



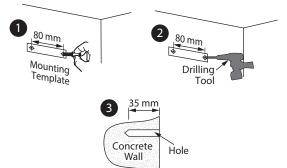
Water Heater SZS 3 Litres

MiniBot

User Manual

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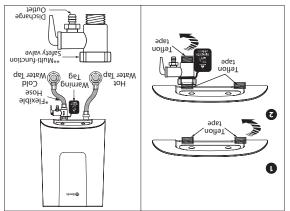
- Use Mounting Template to mark holes (Step 1).
 Use a drill bit with diameter of 8 mm to drill 2 holes at least 35 mm deep in the wall (Step 3). The two holes should be aligned horizontally.
- Figure 8



- 1. Insert the Expansion anchor into the hole (Step 1). Insert the Mounting screw into the Expansion anchor, tighten the Mounting screw by rotating it till it gets fixed steadily and maintain minimum distance of 20 mm (between concrete wall and Mounting screw head) to mount the Water Heater (Step 2). Figure 9
- 0 2 Expansion Ånchor Mounting Screw Concrete Concrete 20 mm Hole Wall Wall E

Connecting to Water Supply

Figure 11 Installation Diagram



1. Wrap the Teflon tape around the inlet and outlet connections of the Water Heater to *Flexible Hoses to be procured by the customer, not part of standard product.

water applications. Whap the forms topic and the interview of the interview.
 Connect MFSV to the inter pipe by hand tightening it in clockwise direction.
 Make necessary plumbing with reference to the installation Diagram. (Refer "Installation Diagram")
 Connect the cold water pipe to the outlet [Rue Cap].
 Connect the hot water pipe to the outlet [Red Cap].

before cold water tap). Hence water may drip from the Multi-function Safet yvalve. 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 away from the inlet of the Water Heater. 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 this is prevented by the presence of the non-return valve (an external valve provided Make sure to connect Multi-function Safety valve to the Water Heater before connecting inlet to the cold water tap.
 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 water applications

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8

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

Troubleshooting

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 iss

Solution	(s)esue2 eldisso9	smaldo
call Customer Care Centre.	er checking the following issues,	he əvlos ton səob məld
	vithout the help from the Custon	
CONCEL FULLY OUT OUT ALL MODEL	ממתכנינות ניוס ומתוני ונו נווכזה התזכה	ud aug un finaug una das

ater leakage from oduct.	Leakage in tank or other parts.	Switch OFF power immediately and Call Customer Care Centre.
.sybal noitoannoo pniq	Connection not sealed.	Re-connect piping, using Teflon tape.
	Scale deposition.	Call Customer Care Centre.
ater heats slowly.	Low voltage at supply. Low voltage at supply.	Check voltage at supply mains.
	Thermal Cut-out not operating.	Call Customer Care Centre.
ater temperature is too dh.	Improper thermostat operation.	Call Customer Care Centre.
wer indicator lamp and sating indicator lamp wor but no hot water.	Heating Element breakdown or internal wiring error.	Call Customer Care Centre.
	Thermal Cut-out has tripped or problem in internal wiring.	Press Reset button, if problem still persists call Customer Care Centre.
bns qmsl rodicator lamp and aating indicator lamp ses not glow.	No power supply to the Water Heater.	Check power supply and switch ON electrical switch.

and may cause burns to the users and damage nearby objects, therefore it is The Multi-function Safety valve should never be removed or blocked by any means
to prevent it from dripping or releasing the excess pressure inside the heater.
This will also make the warranty null and void
Older the Multi-function Safety valve) in case excessive pressure is developed.
The contents of the discharge from the Multi-function Safety valve may be hot
and may cause burns to the users and annot enter the discharge them the valve may be hot
and the contents of the users and annot and annot be contents of the discharge to the user.
The contents of the discharge from the Multi-function Safety valve may be hot
and may cause burns to the users and damage to enter the discreter to the user and annot an excert to the user and annot an excert the discharge from the Multi-function Safety valve may be hot
and the contents of the users and damage to enter to the user and annot an excert the discreter the test.

and may cause burns to the users and damage heating worker from the Water Heater. recommended to take pre-cautions while discharging 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 Make sure suitching it ON. • Make sure a suitable Teffon tape is used for all plumbing connections to prevent easing

leakage. Use only Nylon/ Stainless Steel (SS) braided hoses (Flexible Hoses) having a minimum pressure rating of 8 Bar and hoses should be compatible for hot water

applications. Failure to follow this instruction can result in property damage.

Filling the Water Heater Tank

Figure 12

Operation

permit air to escape. 2. Open the cold water inlet valve fully, fing the Water Heater and the pinner of the Water Heater and the 1. Open a nearby hot water faucet to

3. Close hot water faucet when water

4. Check all the connections to see

rhe Water Heater. leakage, drain the water completely, repair the leaking joint and then refill it there is any leakage. In case of a

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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 Wourring, Multi-function Safety valve, Plumbing and Water filling is
completed, then only the power supply should be switched ON.
 Do not splash water directly or clean with benzene, pesticides, thinner, alcohol,
etc., but use a soft, dry cloth to clean the Water Heater.

Connecting to Electrical Supply



 Find a separate socket for power plug
 And make sure the socket is in firm contact with the plug. Ensure that Customer should procure a suitable
 W42.4 rot springs for 4.5kW

ΝΟΙΤUΑϽ 🕰

Connect the Water Heater using independent sockets, do not use any adapters. Use multimeter to offeck whether the live line and neutral line are not reverse, to

Before installing the Water Heater, confirm that the power of Water Heater matches ensure complete safety.

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r For a 4.5 kW unit , the power plug Power plug be having a muminim s prived be having a muminim s prived plug

wire to neutral wire or faucet water pipe. electric meter capacity and supply wire. The Water Heater should be earthed reliably. It is prohibited to connect the earth units to earthed units of the truct turking the second second second second second second second second second

N O Black

-О Эл

Connecting power cord and plug The RED, BLACK and GREEN wires in the power cord corresponds to Live, Neutral and The sensorial contraction of the power cord corresponds to Live, Neutral and

Earth connections. These should be connected in the plug accordingly. It is not permitted to leave out or short the earth wire with Neutral.

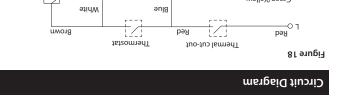
Reliable earthing in the circuit should be ensured by the customer before

Ensure that the Live, Neutral and Earth Terminals in the plug corresponds to the uoinellensui

same in the socket. • Use a pen multimeter to check the socket for any reversed Live and neutral lines and • take corrective action by a qualified electrician if required.

the Water Heater. After 40 seconds (approx.) hot water flows continuously at a constant Preferred Usage pattern: Before switching ON the power supply to the Water Heater, adjust the hot water tap to the minimum flow. Then, switch ON the power supply to

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	High electrical conductivity of water due to dissolved solids in input water.	Call Customer Care Centre: Anode options available for highly conductive water.
	Vo usage of hot water for a long time period	If the Water Heater is not used for an extended period of time, drain the water from the Water is filled back before use of Water Heater. Water Heater.
Foul smell from hot water.	Presence of organic matter in input water.	Provide treated water at the input.
məter dripping from Məter durizion Safety valve during heating.	Non-return valve is installed close to the inlet of the Water Heater.	Install Non-return valve at a distance of at least 40 feet from the inlet of the Water Heater (Refer page 8), if problem still persists call Customer Care Centre.

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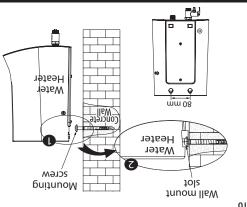
Note: Call Customer Care No. 1800-103-2468/1860-500-2468.

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(...btnoo) noitelletenl

01 srugi7 Mount the Water Heater on the Mounting screw through Wall mount slot. Tug downwards on the Water Heater to ensure that the Water Heater is fixed steadily.



🚺 DANGER

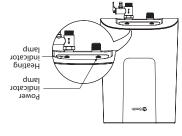
Hot water is dangerous, especially for the young children, aged or the disabled. The variet Meater Alacter to control the temperature of your hot water. Water temperatures over 52°C can cause severe burns instantly or death from scalac. Do not leave a child or an infirm person

.the bath unsupervised.

pribles SIL

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This Water Heater comes with factory pre-set temperature.



Standby mode There are two types of modes depending on the actual water temperature inside the

When the actual temperature of the water is less than the factory pre-set After the Water Heater reaches factory

• Figure 16 .*"ð1 srugi7"* ni nwods se flo temperature, it enters into Heating mode. The Heating indicator lamp glows as shown in "Figure 15". Standby mode due to the thermostat cut-off and the Power indicator lamp glows and Heating indicator lamp switch pre-set temperature, it will enter into the

Switch OFF the electric supply to the Հ լ **∍ւ**ոնi∃ Praining the Water Heater Tank due to usage of water, the water Heater again enters into the Heating mode. When the temperature of the water drops by 5° C from the factory pre-set temperature

۱I

Safety valve upwards. (Refer "Figure charge Outlet Discharge Lever of the Multi-function . Close cold water supply. . Drain the water by lifting the Discharged avor of the discrete vater runs cool. лауал абталоги Water Heater. 2. Open the hot water faucet until the

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вW

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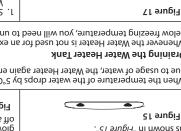
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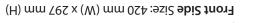
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Heating mode inner tank of the Water Heater: sepow Switch on the Water Heater's power supply. The Power indicator lamp glows.







Registered Office

A. O. SMITH INDIA WATER PRODUCTS PRIVATE LIMITED Plot 300, Phase - II, KIADB Industrial Area, Harohalli, Kanakapura Taluk, Ramanagara District, Karnataka - 562 112, India. CIN: U31909KA2006PTC040282

 Customer Care No. 1800-103-2468 / 1860-500-2468 · E-MAIL: aosmithcs@aosmithindia.com

Date: 11-02-2020

If the Anode is removed.
 If the Anode is not replaced as and when required.
 If Warranty does not cover:

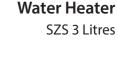
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Salety wave, resource reducing valve of non-recommended reducing valve in estimation lines.
 Product installed in direct sunlight exposure or rain or non-serviceable areas.
 Damage to Water Heater at customer house during installation or serviceable areas.
 Damage to Water Heater at customer house during installation or serviceable areas.
 Any service related issues/replacements due to non A. O. Smith connecting hoses.
 Calls which are related issues/replacements due to non A. O. Smith connecting hoses.
 Calls which are related issues/replacements due to non A. O. Smith connecting hoses.
 Calls which are related issues/replacements due to non A. O. Smith connecting hoses.

efficient protection of the Water Heater. The warranty on the tank will be null and 10. Anode is not included under warranty, the service life of the Anode is determined by the quality and quantity of the water flowing through. If the Anode is consumed, it needs to be replaced by an Authorised Service Technician for "

Plastic parts.
 Cleaning of scale deposits inside Water Heater tank as a general service.

*Refer rate card www.aosmithindia.com



Product Warranty

thereafter.

Product Warranty 2 Years





Warranty Terms and Conditions

Your A. O. Smith Water Heater is warranted against defects arising from faulty design, workmanship and materials for a period of 24 months from the date of the invoice, subject to the following conditions:

1. The customer will notify the Company promptly about defects noticed and give the Company or its Authorised Service Provider adequate opportunity to inspect, test and remedy them, for which the customer will deposit the goods, if necessary, with the Company's Office/Authorised Service Provider along with the original invoice. 2 Special warms that of the date of nurchese is only anticable for the pelow.

AC Smith

5 Years Jank

2.5Pecial warranty from the date of purchase is only applicable for the below mentioned components:

Heating Llement 7 + J X69L8* befeoD-sselD

3. Inspection and Test Report of the Company's Office/Authorised Service Provider will be treated as final and binding under the warranty for determining the defects, repairs/alterations required or carried out, or certifying working of the goods واوسوnt [from 2 years to 3 years]. * Register your product with the A. O. Smith Customer Care Centre [1807-103-2468/1860-1024 - 2025 - 2021 Storm Stores and you will get an extended warranty on the

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Varranty

Yarranty

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injury, damage of property or consequential damages, or for utilisation of the goods not in accordance with the user guide. 7. In case of dry heating (Water Heater operated without water inside the tank), if the Water Heater of the Water Heater is damaged, then it will be repaired/changed on a chargeable basis. After any repair or part replacement in the Water Heater, the basic warranty continue as per the actual date of purchase. 8. The customer will have no claim under this warranty in respect of any personal initial personal initial actions of the propagation of the statement in the initial warranty of the statement of the personal initial actual action of the personal initial actual actual action of the statement in the initial actual actual actual actual actual initial actual act

6. The Water Heater should not be operated without water inside the tank. This will make the warranty null and void.

occur under conditions of proper installation, normal operation and under proper use. It excludes defects occurring because of abuse, faulty care or maintenance and repairs/alterations to product or the parts by an unauthorised person. defective part replaced under the warranty. 5. The Company's lidbility under the warranty will be limited only to defects which 4. The Company or its Authorised Service Provider will be entitled to retain any

9.The inner tank and Heating Element need to be cleaned for any deposits/scales periodically from an Authorised Service Technician. This will ensure your Water Heater works efficiently for longer time.









General Terms of Warranty

- 1. The "goods" shall mean the goods described in the purchase agreement.
- 2. "The customer" shall mean the original purchaser under the purchase agreement. 3. "The Company" shall mean A. O. Smith India Water Products Private Limited.
- 4. The "Purchase Agreement" shall mean the General Terms and Conditions of Sale
- agreed upon by the customer and the Company as printed on the Invoice.
 f. "Invoice" shall mean the Invoice issued for the Unit by the Company or Authorised Dealer to the customer describing the goods and indicating, inter alia, the total purchase price thereof, the name of the customer and the place where the goods are to be installed.
- 6."User Guide" shall mean the instructions for installation leaflet published by the Company and delivered to the customer.
- Note: Follow any one for registration of the Extended Warranty.
- Call our dedicated Customer Care No. 1800-103-2468/1860-500-2468. To register for the warranty details of your Water Heater, visit www.aosmithindia. com.

Post Warranty

- 1. The customer may be offered a yearly Service Contract at the prevailing Company rates and terms.
- 2.In case the customer does not wish to enter the Service Contract, he has an option to call our Customer Care Centre and get A. O. Smith Water Heater unit serviced on an actual basis, i.e. by paying the Labour Cost and Spares needed to attend to that Service or Complaint Call at the prevailing Company rates. Such service will be rendered by the Company in towns or places where the Company has its Authorised Service Providers Service Providers.
- 3. In case of product repair after warranty by Authorised Service Provider, all expenses of transporting the goods to and from the Authorised Service Provider shall be borne by the customer directly.
- 4. If, during such service, it is necessary for the Company or Authorised Service Provider to replace or repair defective components or parts, the customer shall be required to pay for the same as per the Company's prevailing price list.

Jurisdiction

The courts of competent jurisdiction at Kanakapura, Karnataka shall have exclusive jurisdiction over all matters arising out of any disputes in relation to the product.

Expert Company Service - Power of 1

- 1. Different models have different service delivery levels.
- Service level mentioned for particular models are applicable for metros and 'A' Class cities, e.g. Delhi and NCR, Bengaluru, Hyderabad, Kolkata, Pune, Goa, Cochin, Chennai, Chandigarh and Ahmedabad.
- Service level deliverables are valid up to city municipal limit only.
 Service level may differ in case of public holidays and unavoidable conditions due to natural calamities, any political and regional regulations.
- 5. Power of 1 valid service is applicable for calls registered at A. O. Smith Call Centre before 4 p.m. only

