ATMOR

Hot Water on Demand

Installation and Operation Guide

900 Series InLine

3kW-13kW

www.atmor.net

UL LISTED

Safety Instructions

OVERVIEW

This manual must be read carefully before attempting to install the water heater. If you do not follow the safety rules or the instructions outlined in this manual, the unit may not operate properly and it could cause property damage, serious bodily injury or death.

Atmor will not be liable for any damages because of failure to comply with the installation and operating instructions outlined in this manual or because of improper use. Improper use includes the use of this appliance to heat any liquid other than water. Failure to comply with the installation and operating instructions or improper use voids the warranty. Never remove the unit's cover unless the electricity is turned off.

01
The water heater must be installed by a licensed electrician and in compliance with all local electrical and building regulations.

02
Caution: The appliance must be grounded.

03
A dedicated circuit breaker must be installed on the power distribution panel.

04
The heater must be installed according to the installation instructions (see figures).

05
The plumbing installation must be completed before the electrical installation.

06
The heater operates at a minimum water flow rate of 0.5 gallon/minute.

07
The plumbing installation requires metal or reinforced pipes that can withstand a minimum pressure of 8 bar. (Other types of pipes will cause damage.)

08
Do not install the heater where it may be subjected to direct sunlight, rain and/or a constant spray of water.

09
Always contact your local authorized licensed proffessional for service.

Technical Information

Model	*Wattage	Voltage	Amperage	Phase	Circuit breaker size	Required wire size
AT900-03	3 kW	110	27	1	30	10 AWG
AT900-04	3.8 kW	240	16	1	20	12 AWG
AT900-06	6.5 kW	240	27	1	30	10 AWG
AT900-08	8.5 kW	240	36	1	40	6 AWG
AT900-10	10.5 kW	240	44	1	50	6 AWG
AT900-13	13 kW	240	55	1	60	4 AWG

Minimum water flow to activate unit: 0.5 GPM
Nominal water volume: 0.11 gal (0.42l)
Working pressure: 0.5 -8 bar (7 -115 psi)
Tested pressure: 16 bar (230 psi)
Water connections: 1/2" NPT
Dimensions (in) (H x W x D): 7.3 x 11.8 x 3.55
Weight (lb): 3.4

*** Wattage based on maximum voltage.**

Model Guide - kW Output

Model	240V	208V	110V	120V
AT900-04	3.8 kW	2.8 kW	-	-
AT900-06	6.5 kW	4.9 kW	-	-
AT900-08	8.5 kW	6.4 kW	-	-
AT900-10	10.5 kW	7.9 kW	-	-
AT900-13	13.0 kW	9.8 kW	-	-
AT900-03	-	-	3.0 kW	3.5 kW

Assembly Instructions

01

Connect the Pressure Relief Device (PRD) to the unit (Fig1)

Note: IMPORTANT – do not discard this step. A PRD must be installed.

02

Remove the appliance covers (Figure 2).

03

1. Mount ground plate to wall.
2. Pull wires through.
3. Cut out hole in back of unit (Right/Left back) and pass wires through

(Figure 3)

04

Mount unit to wall with 4 screws at the marked points (Figure 4)

The appliance must be mounted horizontally, with water inlets and outlets at the bottom (Figure 5)

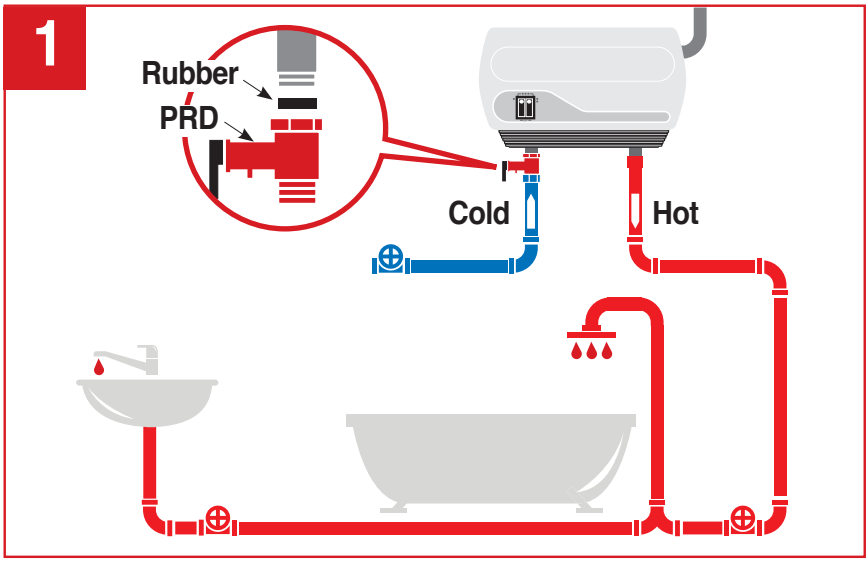
05

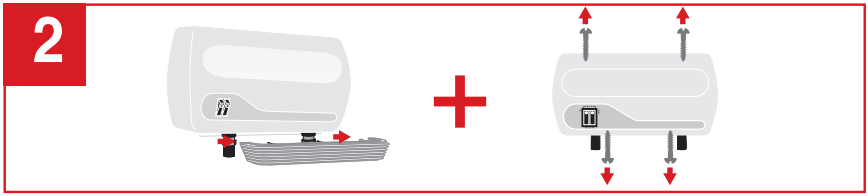
Connect the water inlet hose to the entry point of the heater (left side inlet), and connect the outlet hose to the water outlet. Use a hose that can withstand a minimum pressure of 4 bars. Using any other type of hose will cause damage (Figure 5).

Residential plumbing systems with unstable pressure or pressure above 5 bar require the application of a pressure stabilizer valve, set to 4 – 5 bars.

06

Do not install the appliance with water inlets and outlets at the top (Figure 6)


1
Rubber
PRD
Cold
Hot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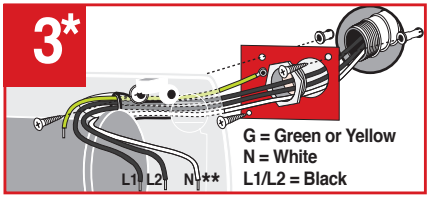
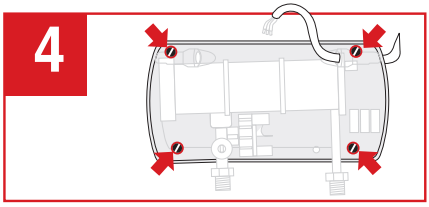

3*
G = Green or Yellow
N = White
L1/L2 = Black
L1
L2
N**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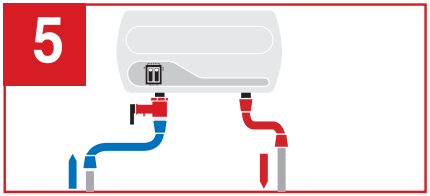
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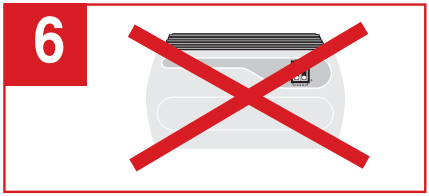
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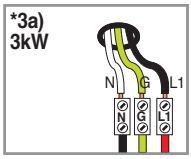
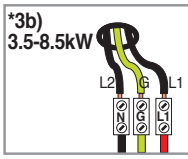
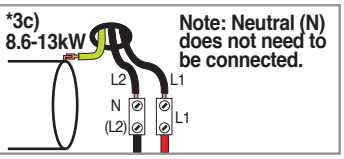

*3a)
3kW
N
G
L1


*3b)
3.5-8.5kW
L2
G
L1


*3c)
8.6-13kW
L2
L1
N
(L2)
L1
Note: Neutral (N) does not need to be connected.

07

Run the water flow for one minute to check for leakage before connecting to power.

08

Connect the power cable to the terminal block.
Caution: The heater must be grounded.
Reference figure *3 on page 4 and Electrical diagram on page 6

09

Reattach the front cover of the heater and secure it with 4 screws and then slide the bottom gray cover

10

Make sure that the appliance is filled with water before connecting power. (Repeat step 7)

11

When installed outdoors, the heater must be placed in sealed waterproof electrical box.

12

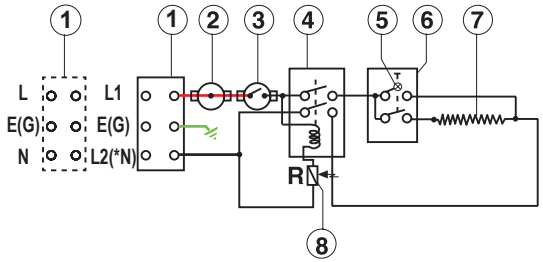
Do not install the heater where it may be subject to direct sunlight.

13

It is recommended that the appliance electrical connections be tested once a year by a qualified technician.

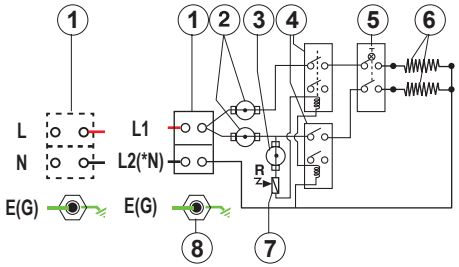
Electrical Diagram

1. 3-3.4kW (110V) - Install Line 1 (L1), E(G)-Ground, N (Neutral)
2. 3.5-8.5kW (240V) - Install Line 1 (L1), E(G)-Ground, Line 2 (L2)



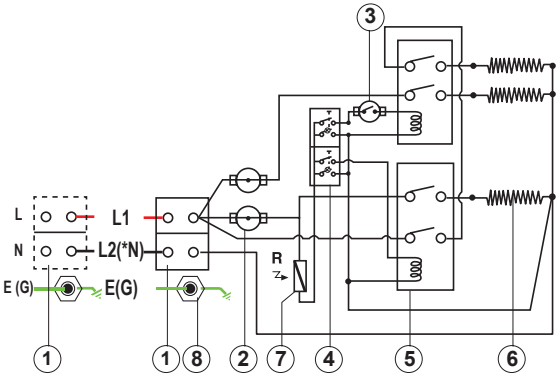
1. Terminal block
2. Thermal cut-out with reset
3. Thermal cut-out
4. Relay
5. Light
6. Switch 0- Off
   (Option) 1- Low
7. Heating element
8. Read sensor

8.6kW-10.5kW (240V)



1. Terminal block
2. Thermal cut-out with reset
3. Thermal Cut out
4. Relay
5. Switch 0- Off
   1- Low
   2- Medium
   3- High
6. Heating element
7. Read sensor
8. EARTH(G) Connection in the heating canister

10.6kW-13kW (240V)



1. Terminal block
2. Thermostat with reset
3. Thermostat
4. Switches with lights
5. Relay
6. Heating elements
7. Read sensor
8. EARTH(G) Connection in the heating canister

L1/L2 = Line1/Line2 (Black or Red)
E(G) = Ground (Green/Yellow)
***N = Neutral (White or Silver)**
*Neutral acts as Line 2 (L2) for 220V/240V
*Neutral does not have to be connected for 3.5kW-13kW

Operation Guide

MODEL	Low  kW	Medium  kW	High  kW
AT900-03	1	2	3
AT900-04	1.6	2.2	3.8
AT900-06	3	3.5	6.5
AT900-08	3.8	4.7	8.5
AT900-10	5.25	5.25	10.5
AT900-13	4.5	8.5	13

Troubleshooting

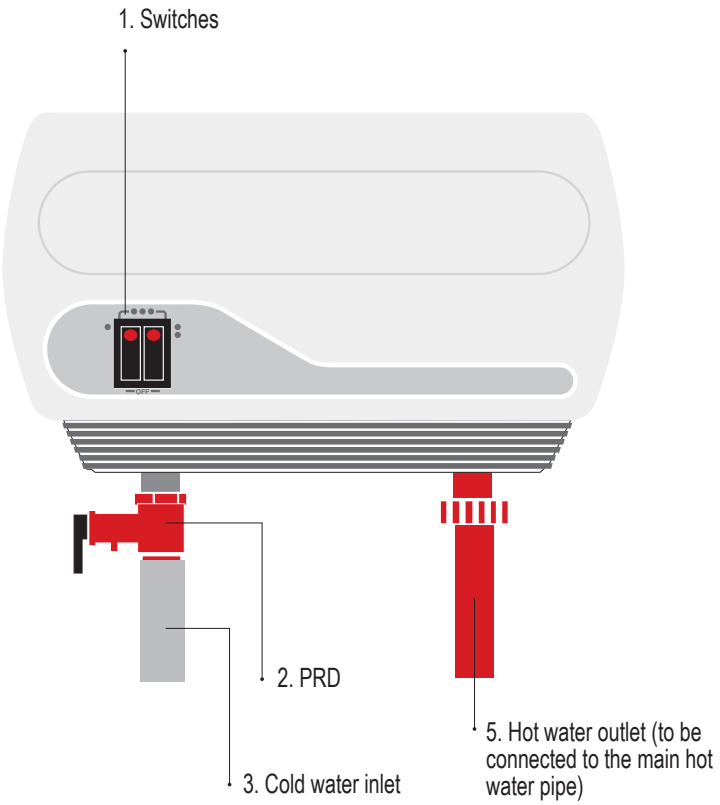
PROBLEM ISSUE	POSSIBLE CAUSE	SOLUTION
Water not hot enough.	Too much water flowing through the heater.	Reduce the flow rate of the water via the outlet tap.
	Reduction in the ambient temperature.	Switch to higher temperature setting.
	Water Pressure below of 0.5 bar (7 psi).	Check if the main water line stop valve is fully open and that there are no other restrictions in the water supply line.
	Electrical Malfunction.	Have the Heater unit check by a qualified electrician or contact your local authorized distributor.

Troubleshooting

PROBLEM ISSUE	POSSIBLE CAUSE	SOLUTION
Water too hot.	Not enough water flowing through the heater. Increase in the ambient temperature.	Increase the flow rate via the outlet tap. Switch to lower temperature setting.
Heater shut off during use.	Interruption of main electrical supply.	Check incoming power supply, MCB, switches and supply cabling. If problem persists, call your local authorized distributor for assistance.
Water ceases to flow.	Blockage of your hand held shower head. No water supply.	Clean or replace your hand held shower head. Check to see that your shower head hose is not twisted or blocked. It is necessary for the hose to have a free passage of water. Check if the main water line stop valve is fully open and that there are no other restrictions in the water supply line.
Water temperature varies from hot to cold during use.	Water pressure has dropped below min. level.	Increase hot water supply.
No hot water/Unit is not working.	No electrical power. Low flow rate 0.5 bar (7 psi).	Check the circuit breaker and check voltage at the wiring block. Clean filter screen: 1. Turn circuit breaker off. 2. Open the valve to release pressure from the unit. 3. Turn circuit breaker on.

If you have an issue and need further assistance, please call: 1-888-783-6082

Parts


1. Switches
2. PRD
3. Cold water inlet
5. Hot water outlet (to be connected to the main hot water pipe)

LIMITED WARRANTY

Atmor warrants to the original owner that our instant water heaters will be free from defects in workmanship and material for a period of TWO YEARS from the date of purchase, and free from leakage for a period of SEVEN YEARS from the date of purchase. Should any part(s) prove to be defective during this period, Atmor will be responsible for replacement of the defective part(s) only. Atmor is not responsible for labor charges or any incidental or consequential expenses.

Should the owner wish to return the water heater for repair, the owner must first secure a written authorization from Atmor. The owner shall be required to show proof of purchase date and to pay all transportation costs to return the defective part(s) or water heater for repair or replacement. Warranty is void if: (i) water heater has been installed or used improperly; (ii) design has been altered in any way; (iii) water heater has been installed and/or serviced by someone other than a licensed electrician ; (iv) or if the water heater has been installed or used in contradiction to installation instructions, applicable laws and/or ordinances.

Call us first and let our service team help!

DO NOT RETURN TO STORE

Have questions about your unit or need service?
Please call:
1-888-783-6082
or email:
info@paragongroupusa.com

Our staff is ready to provide you with assistance.
Monday – Friday, 9AM - 5PM EST

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