

# Patio Heater

Owner's Manual





Please read these instructions carefully before assembly, to reduce risk of fire, burn hazard or other injury.

Keep these instructions in a safe place for future use.

This manual covers the Masport Outdoor Patio Heater.

Part Nº: 558981.C.4

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### **CAUTION**

### PLEASE READ THIS MANUAL CAREFULLY FOLLOWING THE SAFETY GUIDELINES BEFORE OPERATION.

- This patio heater is for outdoor use only (see attached diagrammatical representations of outdoor areas).
- This outdoor heater is not intended to be installed on recreational vehicles and/or boats.
- The installation must conform to the appropriate Local Council or State regulations.
- Change the gas cylinder away from any inflammable sources such as candles, cigarettes or other flame producing appliances, in a well ventilated area only.
- Repair to be carried out by an authorized person.
- Installation and repair should be done by a qualified service person.
- Improper installation, adjustment, alteration can cause personal injury or property damage.
- Do not attempt to modify the unit in any manner.
- Never replace or substitute the regulator with any regulator other than the factory-suggested replacement.
- Remove all transit packaging and protection before use.
- Do not store or use petrol or other flammable vapours or liquids in or near the heater unit.
- The whole gas system, hose, regulator, pilot or burner should be inspected for leaks or damage before use, and at least annually by an authorized person.
- All leak tests should be done with a soap solution. Never use an open flame to check for leaks.
- Do not use the heater until all connections have been leak tested.
- Turn off the gas valve immediately if the smell of gas is detected.
- Do not transport heater while it's operating.
- Do not move the heater immediately after it has been turned off, wait until the heater temperature has cooled down.
- Keep the ventilation opening of the cylinder enclosure free and clear of debris.
- Do not paint the radiant screen, control panel or top canopy reflector.
- Control compartment, burner and circulation air passageways of the heater must be kept clean.
- Frequent cleaning will be required as necessary.
- The LP cylinder should be turned off when the heater is not in use.
- Avoid inhaling fumes emitted from the heater's first use. Smoke and odour from the burning of oils used in manufacturing will appear. Both the smoke and odour will dissipate after approximately 30 minutes.
- Any guard or other protective device removed for servicing the heater must be replaced before operating the heater.
- Adults and children should stay away from any high temperature surface to avoid burns or clothing ignition.
- Children should be carefully supervised when they are in the area of the heater.
- Clothing or other flammable materials should not be hung on the heater or placed on or near the heater.
- The gas cylinder must be stored outdoors or in a well ventilated area.
- Storage this appliance indoors is permissible only if gas cylinder is disconnected and removed from the appliance.
- Do not obstruct the ventilation holes of the cylinder housing.
- Shut off the valve at the gas cylinder or the regulator before moving the appliance.
- Use only the type of gas specified by the manufacturer.
- In case of violent wind, particular attention must be taken against tilting of the appliance.
- Check that the regulator seal is correctly fitted and able to fulfil its function.
- In the event of gas leakage, the appliance shall not be used or if alight, the gas supply shall be shut off and the appliance shall be investigated and rectified before it is used again.
- Check the tubing or the flexible hose per month and each time the cylinder is changed.
- The tubing or the flexible hose must be changed within one year.
- The hose assembly must be replaced prior to the appliance being put into operation if there is evidence of excessive abrasion or wear, or if the hose is damaged, and that the replacement hose assembly shall be that specified by the manufacturer.
- The regulator & hose assembly must be located out of pathways where people may trip over it or in area where the hose will not be subject to accidental damage.

- Certain material or items when stored under or near this appliance will be subjected to radiant heat and could be seriously damaged.
- Check the heater immediately if any of the following occurs:
- The heater does not reach temperature.
- The burner makes popping noise during use (a slight noise is normal when the burner is extinguished).
- Smell of gas in conjunction with extreme yellow tipping of the burner flames.

### **WARNING**

- THIS APPLIANCE IS AN OUTDOORS HEATER AND MUST NOT BE INSTALLED OR USED INDOORS.
- DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.
- DO NOT USE OR STORE FLAMMABLE MATERIALS NEAR THIS APPLIANCE.
- DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.

Failure to follow the warnings and instructions in this manual can result in severe personal injury, death or property damage.

### Please retain this manual for reference

### **HEATER LOCATION**

- The heater is for outdoor use only (see attached diagrammatical representations of outdoor areas). Do not use it for indoors or in an enclosed area. Always ensure that adequate fresh air ventilation is provided.
- Always maintain 915mm clearance from combustible materials.
- Heater must be placed on level firm ground.
- Never operate heater in an explosive atmosphere like in areas where petrol or other flammable liquids or vapors are stored.

### **GAS REQUIREMENTS**

- Use LPG only.
- For use with a portable LPG cylinder. Regulator outlet pressure to be 2.75 Kpa.
- The hose and regulator assembly must conform to local standard codes.
- A dented, rusted or damaged LPG cylinder may be hazardous and should be checked by your gas supplier. Never use a LPG cylinder with a damaged valve connection.
- The LPG cylinder must be arranged to provide for vapour withdrawal from the operating cylinder.
- Never connect an unregulated LPG cylinder to the heater.
- Disconnect the LPG cylinder when the heater is not in use.

### LEAKAGE TEST

Gas connections on the heater are leak tested at the factory prior to shipment. A complete gas tightness check must be performed at the installation site due to possible mishandling in shipment or excessive pressure being applied to the heater.

- 1. The heater must be checked with a full cylinder.
- 2. Make sure the safety control valve is in the OFF position.
- 3. Make a soap solution of one part liquid detergent and one part water. The soap solution can be applied with a spray bottle, brush or rag to all gas connections.
- 4. Turn the gas supply ON.
- 5. If bubbles form over any joints, there is a leak. Turn off the gas supply. Tighten any leaking fittings, then turn the gas supply on and recheck. Contact your dealer (or gas supplier) for assistance if bubbles continue to appear.
- 6. Never leak test while smoking.

### **STORAGE**

- Always close the gas valve of the gas cylinder after use or in case of a disturbance.
- Remove the pressure regulator and hose assembly.
- Cylinder must be stored outdoor in a well-ventilated area out of the reach of children.
- Disconnected cylinder must have threaded valve plugs tightly installed and must not be stored in garage or any other enclosed area.
- Storage of the heater indoors is permissible <u>only</u> if the cylinder is disconnected and removed from the heater.
- Check the tightness of the gas valve and for damage. If you suspect any damage, have it changed by your gas dealer.
- Never store a LPG cylinder in a sub-terrain, or at places without adequate air ventilation.

### **WARNING**

- Do not perform maintenance after heater has been turned off. Wait until the temperature has cooled down.
- 2. Do not expose the pilot, controllers and parts underneath the burner to water. Do not use the heater if any of these parts are exposed to water until the appliance is inspected or repaired by a qualified service person.

### **CLEANING AND CARE**

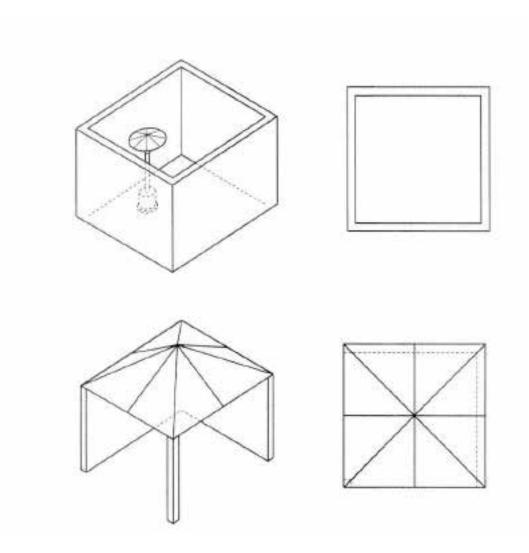
- Wipe powder coated surfaces with a soft, moist rag and soapy water. Do not clean the heater with cleaners that are combustible, corrosive or abrasive.
- Remove debris, spider and insect nests from ventilation opening of the cylinder enclosure, control compartment, burner and circulation air passageways of the heater with heavy-duty pipe cleaner or compressed air to keep appliance clean and safe for use. Never clear ports or other openings with toothpicks or other items that will break and block the ports.
- If carbon deposits develop, remove the reflector and flame screen and clean them with soapy water. Do not paint the flame screen, control panel or reflector.
- Cover the burner unit with the optional protective cover when the heater is not in use. Wait until the heater is cold before covering.
- In a salt-air environment, such as near the sea, corrosion occurs more quickly than normal. Check frequently for corroded areas and repair them promptly.

### DIAGRAMMATICAL REPRESENTATIONS OF OUTDOOR AREAS

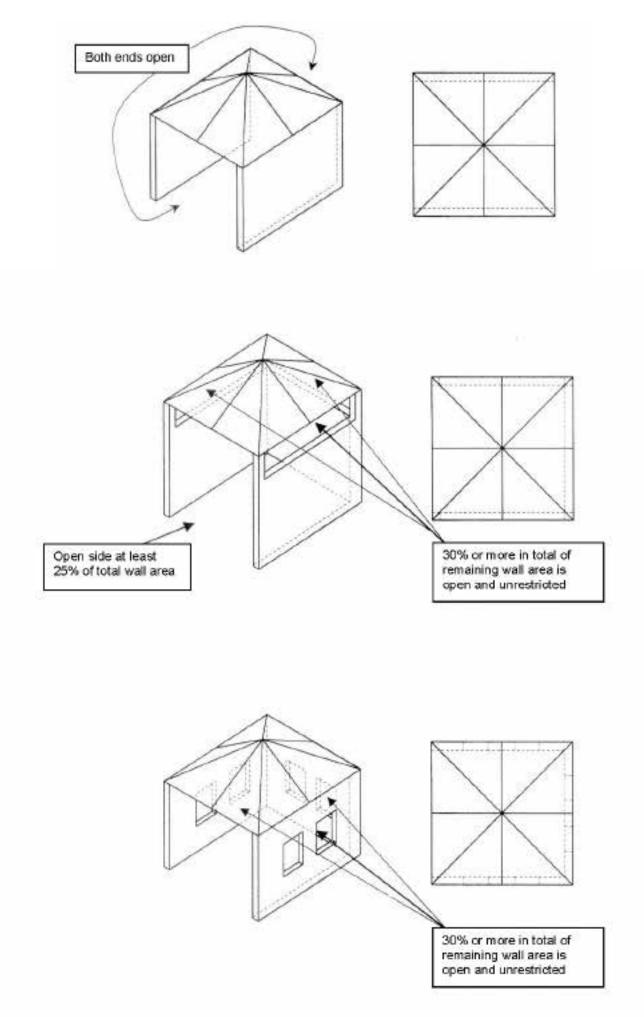
The following figures are diagrammatical representations of outdoor areas as described below. Rectangular areas have been used in these figures - the same principles apply to any other shaped area.

Any enclosure in which the appliance is used shall comply with one of the following:

- 1. An enclosure with walls on all sides, but at least one permanent opening at ground level and no overhead cover.
- Within a partial enclosure that includes an overhead cover an no more than two walls
- 3. Within a partial enclosure that includes an overhead cover and more than two walls, the following shall apply, at least 25% of the total wall area is completely open, and at least 30% of the remaining wall area is open and unrestricted.
- 4. In the case of balconies, at least 20% of the total wall area shall be and remain open and unrestricted.



### **DIAGRAMMATICAL REPRESENTATIONS OF OUTDOOR AREAS**



### **PARTS LIST**

### **ASSEMBLY PARTS SUPPLIED:**

- 5pcs bolts M5 x 10 and 5pcs washers for rear panel of housing and base.
- 5pcs bolts M5 x 10 and 5pcs washers for rear panel of housing and housing lid.
- 4pcs bolts M5 x 10 and 4pcs washers for the post and housing lid.
- 3pcs wing nuts and 3pcs big washers for reflector.
- 3pcs bolts M5 x 10 and 3pcs washers for main burner and the post.
- 4pcs bolts M5 x 10, 4pcs M5 nuts and 4pcs washer for securing a gas cylinder.

### **PATIO HEATER PART:**

I AIIO IILAILI	1171111	
Item No	Description	Qty
1	Reflector	1
2	Burner Screen	1
3	Lower tray of burner	1
4	Lower screen cone assembly	1
5	Main post	1
6	Housing Lid	1
7	Rear panel of housing	1
8	Wheels	2
9	Base	1
10	Door	1
11	Hinge	2
12	Assembly Bolt M5x12	17
13	Washer M5	17
14	Big Washer M6	3
15	Round cap nuts M6	3
16	Lock	1
17	Plastic Cover	1
18	Inner Pipe	1
19	Ignition	1

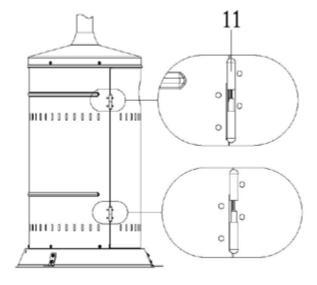
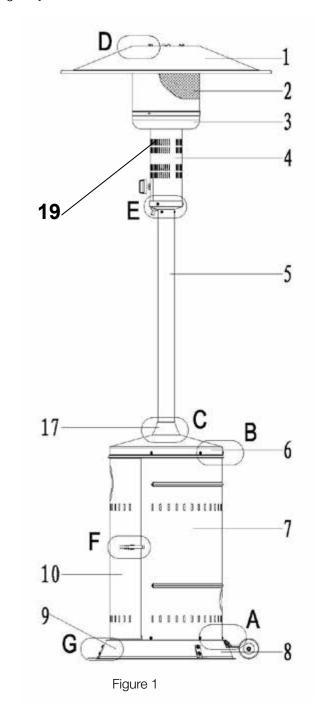


Figure 1.1



### TABLE TOP (Optional):

IABLE TOP	(Optional).	
Item No	Description	Qty
1	Table bracket top	1
2	Table bracket lower	1
3	Bracket Washer	1
4	Screw & Nut	2
5	Table Top	1









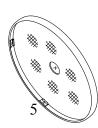


Figure 1.2

### PATIO HEATER ASSEMBLY

### **ASSEMBLY INSTRUCTIONS:**

- List of Required Tools:
- Philip Screwdriver / Adjustable Spanners / Wrenches
- Leak Detection Solution one part detergent and three parts water
- Assemble all nuts and bolts loosely at first. Tighten all connections after completion of assembly. This eases your work and increases the stability of your appliance.
- Before assembly, make sure all packing material and any transit protection is removed.
- Small changes in the heater may occur, due to ongoing development and improvements.

### **ASSEMBLY:**

STEP 1: Screw rear panel of housing to the base with 5pcs bolts M5 x 10 and 5pcs washers (Detail Abb. A) (Figure 1.3). **NOTE:** Start with two bolts at both ends of rear panel of housing, then three bolts in the middle, which will ease the

assembly.

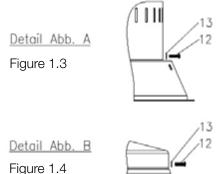
Figure 1.3

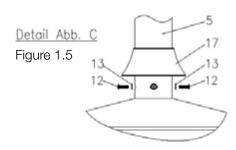
STEP 2: Place the housing lid onto rear panel of housing. Screw together the housing lid and rear panel of housing with 5pcs bolts M5 x 10 and 5pcs washers (Detail Abb. B) (Figure 1.4).

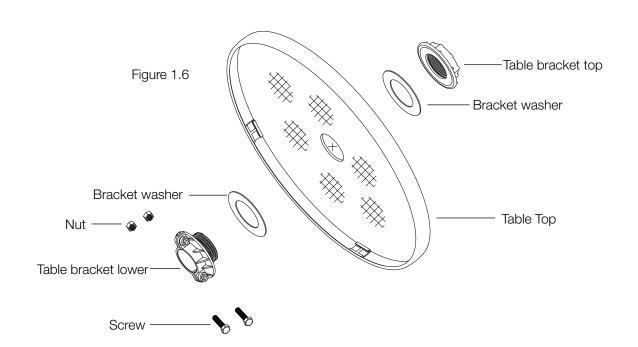
STEP 3: Fix the post onto the housing lid with 4pcs bolts M5 X 10 and 4pcs washers. Then put the plastic cover over the screws and bolts through the post (Detail Abb. C) (Figure 1.5).

STEP 4: (If applicable) Slide the lower part of the Bracket over the post. Keep it at the desired height of the table and then fix it using the 2 x screws and nut provided. (Figure 1.6).

STEP 5: (If applicable) Slide the washer, table top & another washer and then slide the top part of the bracket. Tighten the bracket to secure the table top. (Figure 1.6).







STEP 6: Place the reflector to the main burner using 3pcs round cap

washers (Detail Abb. D) (Figure 1.7).

STEP 7: Tighten inner gas pipe to main burner (See Figure 2),

**NOTE:** please examine the tightness before use. If damages are evident, they must be eliminated immediately (See Leakage Test). Then fix main burner to the post with bolts M5  $\times$  10 and

3pcs washers (Detail Abb. E) (Figure 1.8).

STEP 8: Fix the door to rear panel of housing. (See Figure 2 and

Detail Abb. F) (Figure 1.9).

Detail Abb. E
Figure 1.8

Detail Abb. E
Figure 1.8

13

13

12

13

15

# Table top is an optional part and Step 4 & 5 are applicable only if you need to assemble the table top.

**WARNING:** TO ENSURE PATIO HEATER STABILITY, THE TABLE SHOULD NOT EXCEED 1 METER IN HEIGHT FROM THE GROUND DURING NORMAL OPERATION.

**CAUTION:** GAS PRODUCTS ARE DANGEROUS – PLEASE ENSURE ALL TH CONNECTIONS ARE FULLY TIGHTENED BEFORE USE.

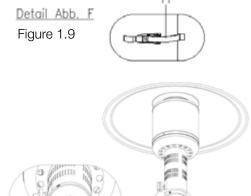
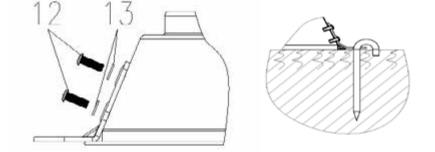


Figure 2

### **BASE STAND**

Base stand assembly parts: 6pcs bolts M5  $\times$  10 and 6pcs washers for base stands and base. Attach 3pcs stands to the base.

Use supplied hook bolts or rawlbolts to insert them into the ground or floor through base stand holes for this appliance stability. (See Figure 3)





### **PTIONAL WHEELS:**

Wheels assembly parts: 4pcs bolts and 4pcs washers for wheels assembly. Collect wheels parts together and fix wheels to the base. (See Figure 4)

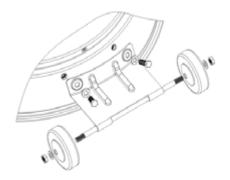


Figure 4

### **OPERATING INSTRUCTIONS**

BEFORE FIRST USE AND AFTER EVERY GAS CYLINDER CHANGE, GAS DELIVERY SYSTEM MUST BE PURGED OF AIR BEFORE IGNITING. TO DO THIS, TURN THE CONTROL KNOB ANTI-CLOCKWISE TO THE PILOT SETTING. PRESS KNOB IN AND HOLD FOR 3 MINUTES BEFORE ATTEMPTING IGNITION.

### TO LIGHT THE PILOT

- Check all connections prior to each use.
- Turn on main gas supply at source.
- Press to turn control knob anti-clockwise to PILOT, see right photo.
- Hold knob depressed, press IGNITION button repeatedly until pilot flame is lit, then continue to hold the knob depressed for 10 seconds until the pilot remains lit after releasing knob.
- If pilot fails to ignite or alight, press to turn knob clockwise to OFF and repeat.

# OFF PILOT HIGH IGNITION

### TO LIGHT THE PATIO HEATER

- The pilot should be lit and the knob set to PILOT.
- Hold knob depressed gently and turn anti-clockwise to HIGH.
- When mesh glows lit, turn knob from HIGH to LOW as needed.

**NOTE:** The burner may be noisy when initially turned on. To eliminate excessive noise from the burner, turn the control knob to the pilot position. Then turn the knob to the level of heat desired.

### **RE-LIGHTING**

- Turn Control knob to OFF.
- Wait at least 5 minutes, to let gas dissipate, before attempting to re-light pilot.
- Repeat the "Lighting" steps.

### **TO EXTINGUISH**

- Hold knob depressed & turn the knob clockwise to 'OFF'
- Close the valve of the gas cylinder or the regulator after use.
- Close the gas bottle and allow this appliance to cool before moving.

**NOTE:** After use, some discoloration of the emitter screen is normal. Close regulator after use, allow the appliance to cool before moving.



If for some reason your ignition fails to deliver a spark, the heater can be started by inserting a lit match using supplied match holder through the burner hole (see left photo) while pushing the control knob in the "PILOT" position.

IN THE EVENT OF ANY PROBLEM, PLEASE ALWAYS CONSULT YOU LOCAL DEALER.

### **LEAK TESTING**

### NEVER USE A NAKED FLAME TO CHECK FOR LEAKS. NEVER LEAK TEST WHILE SMOKING.

The gas connections on this appliance are leak tested at the factory prior to shipment. This appliance needs to be periodically checked for leaks and an immediate check is required if the smell of gas is detected.

- Make a soap solution using 1 part of liquid dish-washing soap to 3 parts water. The soap solution can be applied with a spray bottle, brush or rag to the leak tested points shown in the figure right.
- The valve of the gas cylinder should be in the OFF position at this point of the leak test. Once the soapy solution is applied to the gas connections, the valve of the gas cylinder needs to be turned to the ON position.
- Soap bubbles will begin to form in the soapy solution if a leak is present. Turn off the
  gas supple. Tighten any leaking fittings, then turn the gas supply on and re-check.
  Contact your supplier for assistance if bubbles continue to appear. NEVER leak test
  while smoking.
- In case of any damage or gas leakage after several attempts, contact your local dealer for assistance.



### **GAS REQUIREMENTS**

- The pressure regulator and hose assembly to be used must conform to local standard codes.
- Never use a gas cylinder with a damaged body, valve, collar, or foot ring. A dented or rusty gas tank may be hazardous and should be check out by a gas supplier.
- Never connect this appliance to an unregulated gas source.
- When the appliance is not in use, turn the gas cylinder OFF
- Always perform a leak test on gas connections whenever a cylinder is connected. If bubbles form in the leak test solution, do not use. Never use a flame to test for leaks.

### **CONNECTING TO A GAS CYLINDER**

- Use 9kg gas cylinder. Please refer to your gas supplier for suitable gas cylinder,
- Refer to your gas supplier for instructions on the use of your gas cylinder.
- Only change gas cylinders outdoors or in a well ventilated area away from naked flames and any other source of ignition.
- The gas cylinder must always be used in an upright position.
- Close the heater control knob by turning fully clockwise.
- Close the gas cylinder tap and then attach the regulator onto the gas cylinder.
- Tighten all connections firmly and with a spanner where appropriate. The cylinder should be located on the cylinder base.
- Check for leaks at all joints using soapy water. If a leak is found, tighten the joint and then re-test.

### **IMPORTANT SAFETY RULES**

For use outdoors and in amply ventilated areas.

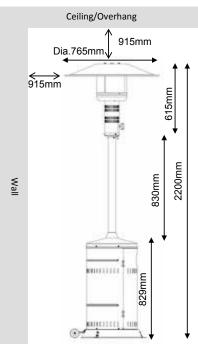
An amply ventilated area must have a minimum of 25% of the surface area open. The surface area is the sum of the walls surface.

The use of this appliance in enclosed areas can be dangerous and it's PROHIBITED.

Children and adults should be aware of the high operating temperatures of areas above the post when operating this heaters. Children should be carefully supervised when in the vicinity of the heater.

**NEVER** hang anything, including clothes or any other flammable items, on this heater.

**DO NOT** operate this heater unless it is fully assembled with its reflector in place. Respect the minimum clearances from combustible materials.



### FIRST AID FOR A BURN

### **EYES**

Seek medical attention IMMEDIATELY. Do not put ointments or liquids in eye.

### **ELSEWHERE**

- Consult a doctor if the burn is not healed in 24 hours, or the burn is larger than the size of a palm.
- If serious, send promptly for an ambulance or a doctor.
- If possible, run affected area under cold water, not ice or ice water, for 10-15 minutes if the skin is intact.
- Cut and gently lift away any clothing covering the burned area, without pulling clothing over the burns.
- Leave in place any clothing that is stuck to the burns. Do not put any creams or greases on the burned area.
- If the casualty's hands or wrists have been burned remove jewelry if possible without causing further injury (rings, watches, and so forth) and place in his pockets. This prevents the necessity to cut off jewelry since swelling usually occurs as a result of a burn.
- Do not pop any blisters. Cover the burn with a light gauze dressing.
- If blisters pop, apply a light antibiotic ointment and dress as above.

### **MAINTENANCE**

To enjoy years of outstanding performance from your heater, make sure you perform the following maintenance activities on a regular basis:

- Keep exterior surfaces clean
- Use warm soapy water for cleaning. Never use flammable, corrosive or abrasive cleaning agents.
- While washing your unit, be sure to keep the area around the burner and pilot assembly dry at all times. If the gas control is exposed to water in anyway, DO NOT try to use it. It must be replaced.
- Airflow must be unobstructed. Keep controls, burner and circulation air passageways clean. Signs of possible blockage include:
  - Gas odour with extreme yellow tipping of flame
  - Heater does NOT reach the desired temperature
  - Heater glow is excessively uneven
  - Heater makes popping noises.
- Spiders and insects can nest in burner or orifices. This dangerous condition can damage the heater and render it unsafe for use. Clean burner holes with heavy duty pipe cleaner. Compressed air may help clear away smaller particles.
- Carbon deposits may create a fire hazard. If any carbon deposits develop, clean dome and engine with warm soapy water.

**NOTE:** In a salt-air environment (such as near the sea), corrosion occurs more quickly than normal. Frequently check the corroded areas and repair them promptly.

### **SERVICING**

- Please consult your local dealer for servicing this appliance and replacement of its parts. The servicing of this appliance shall be carried out only for authorised personnel.
- Caution: do not use unauthorised parts or components for this appliance, only use original equipment replacement parts and components. The use of unauthorised parts or components will void the warranty and can create an unsafe condition.

#### **STORAGE**

There is no limitation on the storage of the appliance indoors provided that the cylinder is removed from the appliance.

### **BETWEEN USES:**

- Turn control knob OFF
- Turn gas cylinder OFF

Store heater upright in an area sheltered from direct contact with inclement weather (such as rain, sleet, hail, snow, dust and debris).

If desired, cover to protect exterior surfaces and to prevent build up in air passages.

NOTE: Wait until heater is cool before covering. A cover designed for this heater is an optional extra.

### **DURING PERIODS OF EXTENDED INACTIVITY**

- Turn control knob OFF
- Disconnect gas cylinder and move to a secure, well ventilated location outdoors. DO NOT store in a location that will exceed 50°C

Store heater upright in an area sheltered from direct contact with inclement weather (such as rain, sleet, hail, snow, dust and debris).

If desired, cover to protect exterior surfaces and to prevent build up in air passages.

**NOTE:** Wait until heater is cool before covering.

### **TROUBLESHOOTING**

IF THE PROBLEMS IS:	AND THIS CONDITION EXISTS:	THEN DO THIS:	
Pilot won't light	Cylinder valve is closed	Open valve	
	Blockage in orifice or pilot tube	Clean or replace orifice or pilot tube	
	Air in the gas line	Open gas line and bleed it (pressing control knob in) for not more than 1-2mintues or until you smell gas)	
	Low gas pressure	Gas cylinder low or empty	
	Igniter fails	Use match to light pilot, and obtain new igniter and replace (refer to page 9)	
Pilot won't stay lit	Dirt build up around pilot	Clean dirt from around the pilot	
	Connection between gas valve and pilot assembly is loose	Tighten connection and perform leak test	
	Bad thermocouple	Replace thermocouple	
Burner won't light	Gas pressure is low	Replace gas cylinder	
	Blockage in orifice	Clear blockage	
	Control knob is not in "ON" position	Turn control knob to "ON" position	
Burner flame is low Note: Do not operate heater below 5°C (40°F)	Gas pressure is low	Replace gas cylinder	
	Outdoor temperature is greater than 5°C (40°F) and tank is less than 25% full	Replace gas cylinder	
	Supply hose is bent or kinked	Straighten hose and perform leak test on hose	
	Control knob is fully "ON"	Turn control knob to "OFF", let it cool to room temperature and check burner and orifices for blockage	
Emitter glows uneven	Gas pressure is low	Replace gas cylinder	
Note: Bottom 2.5cm of emitter	Base is not on a level surface	Place heater on a level surface	
does not normally glow	Heater not level	Level heater	
Carbon build-up	Dirt or film on reflector and emitter	Clean reflector and emitter	
Thick black smoke	Blockage in burner	Turn control knob to "OFF", let it cool to room temperature and remove blockage and clean burner inside and outside.	

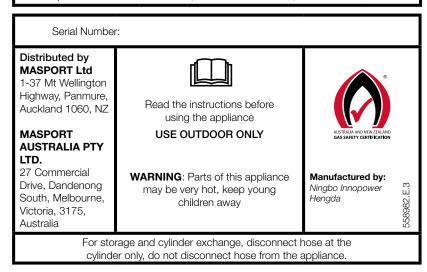
### TECHNICAL DATA

OUTDOOR HEATER							
Model	Gas Consumption	Injector	Pressure	Gas Type	Code of Compliance	Approval No	
H 1107 H 1207	45Mj/h	1.70mm	2.8kPa	ULPG	EU Directive 2016/426	18GR0770/ 00	
H 1107 H 1207	40.50Mj/h	1.80mm	2.75kPa	Propane	AS4565-2004 (Inc Amdt1)	AGA 7004	

Gas Supply Pressure, ULPG Min: 2.70kPa: Max: 3.45kPa

Minimum Clearance:

From Top of Outdoor Heater: 915mm, From Sides: 915mm, From Rear: 915mm



<u>The appliance shall only be installed or operated with maximum height from the rim of reflector to the ground, so the adjustable device shall be fixed according to this requirement.</u>

Use only regulator and hose approved for LP Gas at the correct pressures and gas type.

The pressure adjuster should comply with the standard EN12864 and current regulations in the country where it is installed, which may be found at your nearest retailer of gas items.

Refer to the technical date. It is strictly prohibited to use adjustable pressure.

The life expectancy of the regulator is estimated as 10 years. It is recommended that the regulator is changed within 10 years of the date of manufacture or the national conditions require it.

- -Using 30mbar butane regulator for butane of I3B/P (30) or butane of I3+.
- -Using 30mbar propane for propane or butane/propane mixture of I3B/P(30).
- -Using 37mbar butane regulator for butane of I3B/P (37).
- -Using 37mbar propane regulator for propane or butane/propane mixture of I3B/P (37) or I3P (37).
- -Using 50mbar butane regulator for butane of I3B/P (50).
- -Using 50mbar propane regulator for propane or butane/propane mixture of I3B/P (50) or I3P(50)

The type of replaceable hose should meet the standard of EN1763 1 Class 3.

The hose used must conform to the relevant standard for the country of use. The length of the hose must be 0.7 meters (minimum) and 1.5 meters (maximum). Worn or damaged hose must be replaced. Ensure that the hose is not obstructed nor kinked. It is recommended that the hose is changed within 1 year of the date of manufacture or the national conditions require it.







## Distributed by MASPORT Ltd

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