

Products for that **WARM** feeling

Hendy Gas Fired Hot Water Boiler
HYDRONIC 120 S, B *digital*
HYDRONIC 150 S, B *digital*

Floor Mounted - External - Hydronic Central Heating Boiler
For use with Natural Gas or LP Gas
Australian Gas Association Tested AGA Approval No. 5234

*The information below is given to assist the installer with the installation of the **HYDRONIC 120 S, B or 150 S, B** Boiler. Please read them carefully as they have been written in the effort to make the installation as easy as it should be, the system to work well and to conform to the necessary Government regulations.*

PLEASE READ THESE INSTRUCTIONS BEFORE STARTING THE INSTALLATION.
It is important that this boiler is installed and serviced as detailed in these instructions by an
AUTHORISED person.
This boiler is to be installed and serviced to the requirements of the
Local Building, Gas, Water and Electricity Authorities.
These instructions are to be held by the owner / user after installation.
This boiler must not be used for a SPA or POOL Heater

Safety

WHAT TO DO IF YOU SMELL GAS

1. Do not try to light any gas appliance.
2. Do not touch any electrical switch.
3. Turn off the gas supply at the gas meter.
4. Immediately call your gas supplier or licensed gas fitter.

NOTE. Some gases are heavier than air and it may be necessary to smell for leaks at floor level.

House keeping

1. Do not store or use inflammable liquid or chemicals near this appliance.
2. Do not use aerosols in the vicinity of this gas appliance.
3. Keep this appliance free of debris.

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Owners Information

1.0 Features

Features of HYDRONIC 120 & 150 boilers

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- ▷ Fully automatic, balanced flue, atmospheric gas burner with weather proof balanced flue for outdoor installation.
- ▷ For use on natural gas or liquid petroleum gas only.
- ▷ Automatic electronic intermittent pilot ignition system..
- ▷ User controllable solid state thermostat adjustable to a maximum of 90 °C for radiators and convection systems and 60 °C for floor coil systems.
- ▷ Designed for use in a sealed primary water system.
- ▷ Fully package to allow easy installation.

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1.1 Controls

On / Off switch. Turns the boiler off for short term occasions. Isolate the boiler at the electrical supply GPO if leaving the boiler off for any long period of time or performing service on the boiler.

digital LED indicator lights.

Dial in required flow temperature.
alternates to current water temperature.
Number light indicate power OK

* red - indicator 1.

quick flash ~ if there is water flow and the room thermostat is calling for heat.

* red - indicator 2.

slow flash if the boiler thermostat is calling for heat
quick flash when burner is lit.

L red - lone indicator

flashes when boiler is waiting to re-light

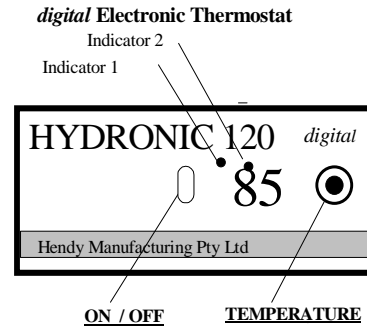
F 0 ~ F 1 ~ F 2 Lights if there is a service fault or the high limit thermostat is activated

⊙ Water Temperature Control.

Range T1 35 °C - 60 °C ~ T2 45 °C to 90 °C

⌚ Clock wise Increases the flow water temperature.

⌚ Anti-clockwise Decrease the flow water temperature



IMPORTANT

The day to day boiler functions are controlled via the room thermostat, normally located in the most lived in room. No other adjustments are required for normal daily use.

1.2 Problem Solving

Before you call a service person please check the following.

Stage 1 - Check and Correct.

- Is the mains power switched on?
- Is the gas supply turned on?
- Is the boiler control panel switched on and the red number lights is on?
- Is the room thermostat calling for heat?
- Are all the correct valves open?

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Stage 2. - Check and Correct.

- Digital display is lit but the water flow light off -
*Air bleed the system and topping up with water as necessary.
Check that the valves are open
Check that the room thermostat is on*
- Indicators **F 0**, or **F 2** displayed.
turn control panel switch off, wait five seconds and turn on again.
- Indicator **F 1** displayed
switch off, allow to cool and switch on again.

If the fault persists call your installer.

1.3 Do's & Don'ts.

Do keep the boiler clean and free from debris around the appliance.

Do turn off the mains in summer.

Do have the appliance regularly serviced.

Do be careful with all gas appliances.

Do not use as a spa or pool heater.

Do not allow leaks in the system to persist.

Do not use as a flower pot stand.

Do not use or store inflammable substances in the area.

Do not plant the boiler in the garden beds.

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Installers Instructions

Please read the safety instructions on page 1 first.

2.0 Boiler Requirements.

- ▷ Position the boiler in accordance with AGA 601 requirements refer section 3.2 on page 6.
- ▷ It is the law that all gas boilers are installed by an authorised gas installer.
- ▷ Failure to install this boiler correctly could lead to prosecution, void the warranty and jeopardise the safety of the installation, it is in your own interest to comply with the law.
- ▷ It is the responsibility of the installer to correctly install the **Hydronic 120** or **150** boilers.
- ▷ It is essential that the appliance is correctly EARTHED. An electricity supply of 240V 50 Hz is required fused at 3 amp.

Delivered contents.

- ▷ The boiler is supplied fully assembled & tested, in the packing box.
- ▷ This set of Owner's and Installation Manual are part of the kit.
- ▷ Check that the boiler gas type indicated on the box and on the front of the boiler is the gas available at the installation.
- ▷ Check for any transport damage. Do not install a damaged boiler.

3.0 General Specifications

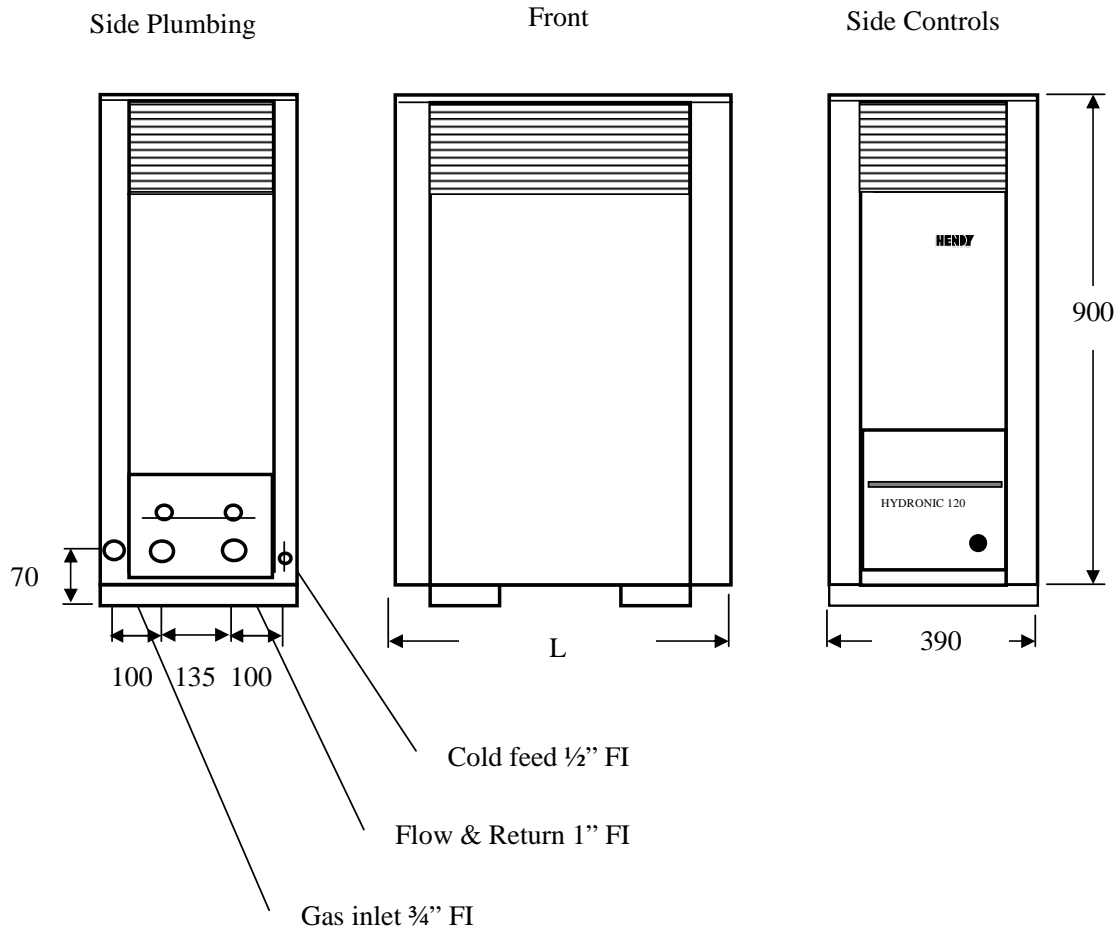
3.1 General Specifications

Model	120 S Boiler 120 B Boiler	150 S Boiler 150 B Boiler
Height	900	900
Length	510	640
Width	390	
Gas input	105 MJ	144 MJ
Gas type	Natural & L P Gas	
Nom output	24 kW	33 kW
Gas valve	Honeywell VS 9605	
Ignition system	Honeywell Intermittent Pilot Hot Surface Ignition	
Burner	Stainless steel - multi blade burner	
Heat exchanger	All copper finned tube	
Boiler Thermostat	<i>digital</i> Electronic Solid State	
Pressure relief	3 Bar	
Expansion vessel	7 litre diaphragm #	
Circulator	UPS25-60-180 #	UPS 25-80-180 #
Hi limit Thermostat	105 °C	
Run on timer	Temperature sensitive electronic.	
Pressure reduction valve	1 Bar pre-set #	

not supplied with B boiler

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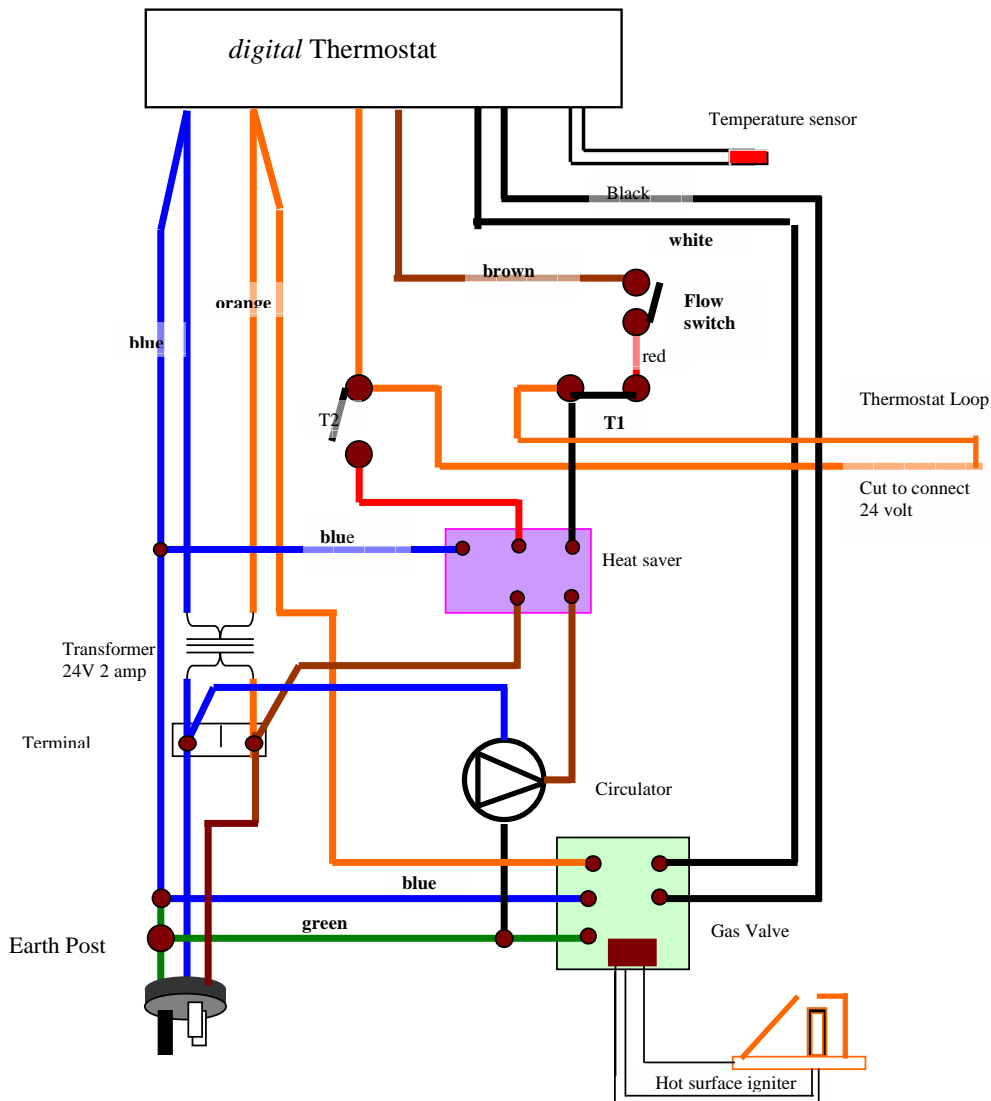
3.2 Physical Dimensions



Dimension	Model 120 S & B	Model 150 S
L - length of unit	510	640
F - internal flue spigot dia	125	150

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3.3 Wiring Diagram



NOTE.

This electrical wiring of the boiler **Must Not Be Modified** in any way except for the connection of a 24-Volt room thermostat in the thermostat loop. It is important that a room thermostat be connected to the thermostat loop for the boiler's correct operation. A junction box is provided on the B boilers for a single circulator to be connected eternally to the unit.

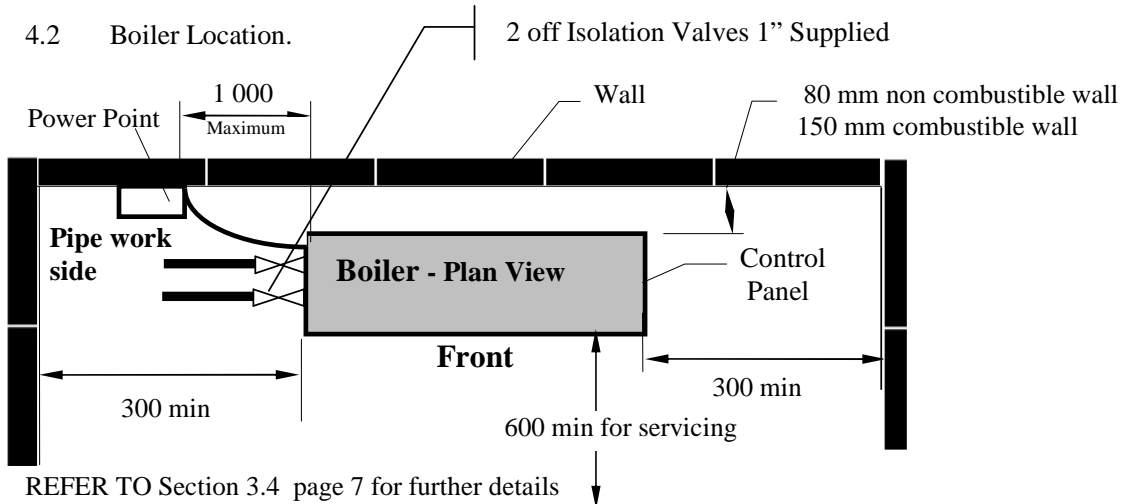
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4.0 Guide to Installation.

4.1 Requirements for installation.

Description	External
Non combustible pad	By others
Power Point 240 V 3 amp	Weather proof GPO
Thermostat Wire	24 volt 24/0.20 mm PVC single insulation.
Boiler Isolation Valves	Full flow 1" ball valves with barrel unions valves
Room Thermostat	Landis & Staefa REV 11 or 15 programmable digital display
Backflow prevention valve	Refer to the relevant Australian Standards.RBFV15
Gas Isolation valve	Refer to AGA regulations
Bypass valve	Oventrop 3/4" bypass valve 108-52-06

4.2 Boiler Location.



4.3 Gas pipe.

Correctly size the gas main to allow sufficient gas flow for the boiler. Please refer to the AGA 601 Installation Code APPENDIX F. The table below is an extracted from this code as a guide only.

For the satisfactory installation & operation of the boiler, the gas meter and gas supply pipes must be capable of supplying this quantity of gas in addition to the demands from any other appliances.

The gas meter and the pressure regulator should have a dynamic natural gas pressure of 1.1 kPa at the boiler inlet. (2.75 kPa for LPG). Please check that this is correct pressure. The complete installation including the meter should be tested for gas soundness and purged of any air or moisture.

Gas supply. Refer to the boiler data plate on the inside of the boiler control panel cover.

Flow of gas through copper pipe of Natural Gas (H.V.= 38 MJ/M³) & LPG (H.V.= 96 MJ/M³).

The chart shows the maximum straight length or equivalent bends of pipe in metres for a pressure drop (pd) shown below with the required gas flow.

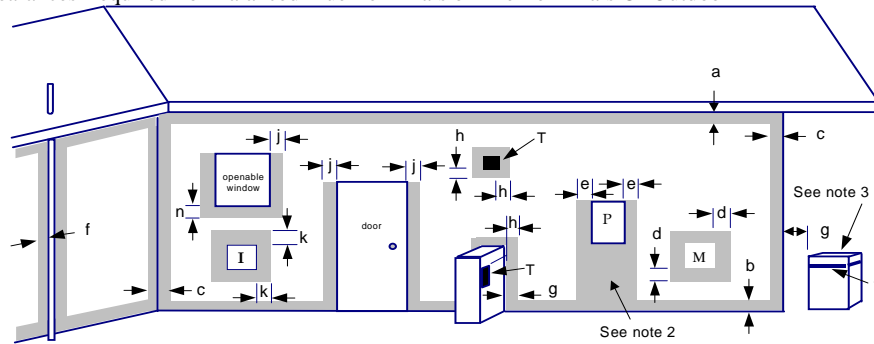
Model	Gas	Pipe Dia >	15 mm	20 mm	25 mm	30 mm
120 - 105 MJ	N G	Pd 0.075 kPa	0.5 M	4 M	20 M	80 M
120 - 105 MJ	L P G	Pd 0.25 kPa	4 M	12 M	180 M	-
150 - 144 MJ	N G	Pd 0.075 kPa	-	2 M	14 M	50 M
150 - 144 MJ	L P G	Pd 0.25 kPa	2 M	30 M	120 M	-

NO allowance has been made for other appliances connected to the gas main. This information is supplied as an indication of the capacities only. Refer to the latest issue of AGA 601 for full details.

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4.4 Location of flue terminals - An Extract from AGA 601

Minimum Clearances Required For Balanced Flue Terminals or The Terminals Of Outdoor



T = Flue terminal
 I = Mechanical air inlet
 M = Gas meter
 P = Electricity meter or fuse box
 Shading indicates prohibited areas for flue terminals

Appliances.

MIN. CLEARANCE (mm)

a	Below eaves, balconies and other projections	
	Appliances up to 50 MJ/h input	300
	Appliances over 50 MJ/h input	500
B	From the ground, above a balcony or other surface	300
C	From a return wall or external corner	1000
D	From a gas meter (M)	500
E	From an electricity meter or fuse box (P)	150
F	From a drain pipe or soil pipe	150
G	Horizontally from any building structure (unless appliance approved for closer installation) or obstruction facing a terminal	500
H	From any other flue terminal, cowl, or combustion air intake	500
I	Horizontally from an openable window, door, non-mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation	500
	Appliances up to 150 MJ/h input	500
	Appliances over 150 MJ/h input (natural draught)	1500
	Appliances over 150 MJ/h input (fan assisted)	1000
	In direction of discharge	1500
K	From a mechanical air inlet, including a spa blower	1500
N	Vertically below an openable window, non-mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation	See table

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CLEARANCE 'n' (m)			
Space heaters	All other appliances		
Up to 50 MJ/h input	Up to 50 MJ/h input	Over 50 MJ/h & up to 150 MJ/h	Over 150 MJ/h input
150	500	1000	1500

- NOTES:**
- All distances are measured to the nearest part of the terminal.
 - Prohibited area below electricity meter or fuse box extends to ground level.
 - See Clause 5.13.6.6 for restrictions on a flue terminal under a covered area.
 - See Appendix J, Figures J1(a) and J2(a), for clearances required from a flue terminal to an LP Gas cylinder. A flue terminal is considered to be a source of ignition.

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The above information is part of AGA 601 FIGURE 5.3 as supplied by the AGA and is provided as a indication of the correct clearances only. Please refer to the latest issue of AGA 601.

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4.5 Heating Pipes.

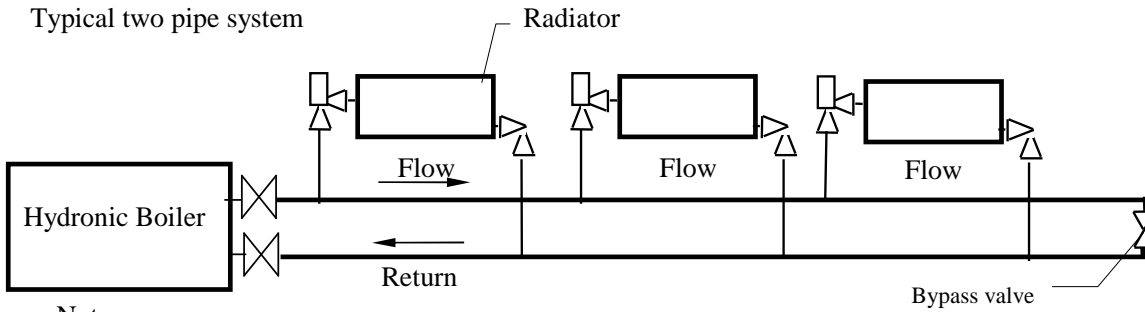
The flow & return connection sizes of 1" on the boiler are not necessarily the correct pipe sizes for the heating system. It is important that the pipe sizes are correctly calculated before installation. Recommend - a two pipe system with the pipes sized according to the flow requirements and length of runs with a maximum water velocity of 1.5 M/s.

Reference The Institute of Plumbing Australia. - "SELECTION & SIZING OF COPPER TUBES FOR PIPING SYSTEMS".

Nominal flow capacities

Model	Output	Flow rates	DT	pd	min Pipe dia	F & R length
120	24 kW	0.38 l/s	15 °C	8 kPa	20 mm	6.0 M
150	33 kW	0.53 l/s	15 °C	14 kPa	25 mm	4.5 M

Typical two pipe system



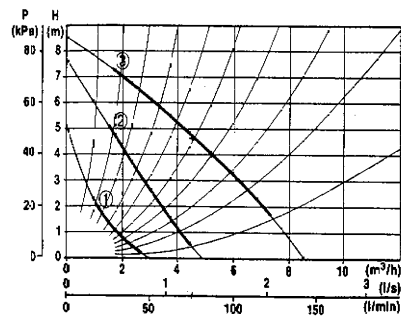
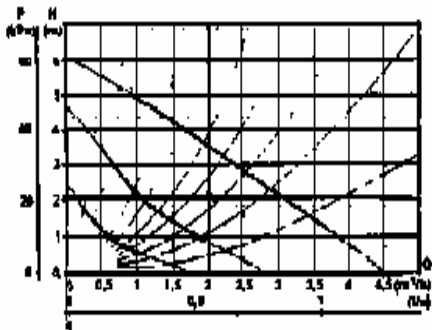
Notes

1. An automatic heating bypass valve should be fitted to maintain adequate flow rate through the boiler when thermostatic valves are fitted and or when the majority of radiators are required to be turned off for long periods of time.
2. Any pipe work that is in an unheated area such as under the floor or in the ceiling space should be suitably insulated to prevent heat loss and possible freezing of the pipes.
3. The pipe work should be graded to facilitate the elimination of air at the highest point and the draining of the system at the lowest point. Provide air bleeds and drains at these points.

4.6 Circulator Information.

Model HYDRONIC 120 S - UPS25-60-180

Model H 150 S - UPS 25 - 80 -180



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4.7 Sizing of Pressure Vessel Capacity

If the total water capacity of the heating system is greater than 60 litres then an additional pressure vessel should be fitted. An approximate capacity can be calculated from the following table, multiply by a factor of 0.11 to obtain the total expansion tank required. If necessary an additional tank can be fitted at a convenient location on the system.

Item	Capacity litres	per
Therma rad Radiators	2.30	kW
Thermaboard single	0.22	metre
Thermaboard double	0.44	metre
Copper tube 25 mm	0.44	metre
Copper tube 20 mm	0.23	metre
Copper tube 15 mm	0.01	metre

5.0 Commissioning

5.1 Starting Sequence

1. **STOP.** Have you read the safety information on page 1.
2. Turn off the power supply at the GPO.
3. Turn the gas on at the external isolating valve.
4. Check for gas leaks from inlet pipe to gas valve. If no leaks are found.
5. Turn off the gas isolation valve.
6. Turn on the power at the power point.
7. Set the boiler thermostat on the Control Panel to the lowest setting.
8. Turn boiler on/off switch to ON at the control panel.
9. The circulator will operate sending the water through the pipes, the boiler should go through the ignition sequence but not light as there is no gas available.
10. When the circulator is quiet, switch the boiler off at the control panel, turn on the gas and restart the boiler.
11. The burners should light automatically within approximately 15 seconds.
12. This boiler is fitted with an electronic ignition system that automatically lights the burner via the intermittent pilot system. Do not try to light the burner by any other means.
13. It may take a little while for the boiler to work if the gas lines are new and the gas has not been thoroughly purged through.
14. Allow the boiler to run check for leaks and flow to all the system.
15. If the boiler does not operate, refer first to **Problem Solving** in the Owner's Manual section 1.2.

5.2 Checking the system.

1. With the boiler alight and operating, allow the boiler to run for about 10 - 15 minutes to warm up the system.
2. Turn the boiler off.
3. Remove the burner test point screw from the gas valve and connect a manometer.
4. Check the dynamic gas pressures obtained are in accordance with the gas pressures shown on the Boiler data plate attached to the inside of the boiler and that the gas is of the correct type.
5. Disconnect the manometer and refit the test point screw.
6. Allow the system to heat up, then balance the system to achieve the necessary temperature difference across the heat exchanger's flow and return pipes.
7. **Check for leaks of water and gas** in the whole system.
8. Turn off the boiler and isolate.
9. Drain the heating system while still hot to flush the system.
10. Refill, air bleed and pressurise the system adding any boiler additive at this stage if required.. **WARNING - No type of BOILER ADDITIVE should be added to the system that is permanently connected to the water mains supply unless an approved backflow prevention device is fitted.** Check with your local water authority.
11. Refit all access panels, re-start the boiler and check all indicator lights are operating correctly. Set room thermostat to desired temperature, set boiler temperature to give correct output.
12. Re-balance the system.
13. Frost conditions. If there is any possibility of the boiler being left cold during frost conditions, then the boiler and the system should be drained or an approved anti-freeze be added.

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6.0 Handover & Warranty.

6.1 Hand Over.

The installer should show the owner of the heating system how to :-

1. Start and stop the boiler. Re-adjust the water temperature
2. Reset the boiler if the **F0 F1 F2** indicator lights.
3. Turn off the water if a leak should occur in the heating system.
4. Set the room thermostat and adjust for new settings.
5. Turn off the gas and power.
6. This hand book's service schedule should be completed and given to the owner to be kept in a safe place for future reference.

6.2 Warranty Certificate

Fill in and return for registration the **WARRANTY REGISTRATION FORM** on page 18

The benefits conferred hereunder are in addition to all other rights and remedies in respect of the product which the purchaser has by virtue of the Trade Practices Act of 1974 and similar State and Territory legislation and nothing contained in this Certificate shall in any way limit the purchaser's rights under any legislation Hendy Manufacturing Pty Ltd. (known as The Company) warrants all products manufactured or supplied by it to be free for defects in workmanship and materials, its obligations pursuant to this warranty being limited to the repair or replacement at its opinion and subject to the terms and condition stated below, of any component part which its examination shall disclose to be so defective.

Free Service Period. Any fault occurring within thirteen (13) months of delivery arising from defective workmanship or material in manufacture will be rectified free of charge by the retailer from whom the appliance was purchased, an approved **HYDRONIC 120 & 150** Service Agent or The Company as applicable.

An extended 5 year warranty is available please check with our technical department.

Warranty of the Heat Exchanger, Burner and Cabinet.

The warranty applies to the heat exchanger, burner and cabinet fitted to the boiler unit. The warranty of 13 months is for the complete replacement of the component parts free, labour to be charged at the ruling rate.

Printed Circuit Boards. This item is warranted against all claims except for power surges, lightening strikes, wilful damage or water damage

Conditions. The following conditions apply only in relation to the warranty expressly given in this Certificate.

This warranty applies only -

- (a) within the Commonwealth of Australia
- (b) to boilers used for PRIVATE SINGLE FAMILY USE if used for COMMERCIAL or MULTIPLE FAMILY or INDUSTRIAL USE or other purposes, warranty and free service will only be by negotiation with The Company.

Rectification of any fault to be provided under this warranty shall not be provided :-

- (a) If the identification number attached to the appliance has been altered, rendered or removed;
- (b) If notice of the defect has not been given within the period applicable;
- (c) Wilful damage to the product, paint work or labels;
- (d) To surfaces heat exchanger, burners or damaged by aerosols;
- (e) If the appliance has been -
 - (i) subject to misuse, abuse, negligence or accident;
 - (ii) connected to improper, inadequate or faulty electricity, gas, water or flues, or operated using incorrect or contaminated fuels or lubricants;
 - (iii) installed, maintained or operated otherwise than in accordance with the instructions furnished by The Company.
 - (iv) damaged by foreign objects in the appliance or the use of non genuine **HYDRONIC 120 OR 150** spare parts;
 - (v) serviced, repaired or altered otherwise than by The Company or an approved technician.

The purchaser shall be responsible for any expenses involved in making the appliance readily accessible for servicing. Where the appliance is installed outside the capital city metropolitan area,

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the retailer or nearest **HYDRONIC 120** or **150** service branch, as applicable, may charge for any travelling expenses and any costs of transporting the appliance or parts thereof to and from the site, the dealer, Service Agent or Service Branch to The Company.

The purchaser must produce proof of the date of purchase together with the warranty certificate when making the claim.

The Installer must complete the installation schedule on page 19 and keep it together with your purchase docket in a safe place. The production of this information will assist the efficient handling of your request should you require service under terms of this warranty.

This warranty supersedes and excludes all other representations, conditions and warranties, except those implied by the legislation previously referred to.

7.0 Maintenance.

1. Maintenance instructions. It is recommended that at the beginning and at least once during the heating season the following checks are to be made.
2. Examine the venting system make sure that there are no obstructions in the airflow to the ventilation or the combustion air.
3. Remove the necessary covers, remove the slotted screw from the front of the circulator allowing a little water to escape, check the shaft is free by spinning the motor shaft.
4. Visually check the burners and the pilot flames, if the flames appear yellow, the burner should be cleaned by a qualified service technician.
5. Keep the boiler clear and free from combustibles and inflammable liquids. Chlorine should not be stored in the vicinity of the boiler. Chlorine vapours when drawn through a boiler combustion chamber can rapidly cause corrosion to the heat exchanger.
6. Keep the boiler free from garden refuse and debris to ensure the extended life and reliability to your boiler.
7. Make sure that the system is kept filled with water
8. The cabinet should be cleaned with normal non-abrasive, non-aerosol household cleaners.

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7.1 Fault Finding.

The operating description.

The two alpha-numeric LED indicator lights are provided to help you understand the operation of the boiler and if something should, wrong to help find the problem quickly.

XX red POWER ~ Numerals

This indicates when the boiler power switch is on. If they do not light, check the isolating GPO is plugged in and switched on. Check also the circuit breaker or fuses at the fuse box for correct operation. If all circuits are good, call a qualified service technician.

* red FLOW ~ indicator 1.

This indicator flashes fast with the power on, when the room thermostat calling for heat and the circulator is giving flow through the system. If this does not light, check the room thermostat, or that valves may be closed stopping water flow to the boiler, the circulator is not operating or there is a loss of water and air present in the system.

* red BURNER ~ indicator 2.

This indicator slow flashes when the ignition system is operational, with power and circulator indicators on. The burner will not function unless the power is on and the circulator is operating. When the water temperature reaches the correct setting this indicator will go out until the water flow temperature drops. The indicator changes to a fast flash when the burner lights and the gas valve is open.

F 0, F 1, F 2, red service indicators.

F1 indicates that the boiler manual reset over temperature thermostat has been activated due to an over temperature situation inside the boiler. Switch off then on at the control panel to reset. Call your qualified service technician if the fault persists or **F0** or **F2** show.

7.2 Gas conversion of the burner and gas valve.

Gas type burner conversion

Turn off the gas at the external gas valve and turn off the power to the circulator and the boiler.

Remove the access panels from all available sides. Disconnect internal gas pipe from inlet side of gas valve. Remove the four screws holding the burner tray in position. Dis-assemble burner tray and remove ribbon burners assembly to expose burner injectors. Remove burner injectors and replace with the correct sized injectors for the gas.

Re-assemble burner tray and install in the heater by reversing the order of dismantling make sure all gas joints are tight and the earth screw is replaced.

Pilot.

Remove pilot tube from the igniter end taking care not to damage the hot surface plate.. Remove spud from inside pilot assembly.

Replace with correct spud for gas type. Replace pilot tube with care avoiding damage to the connection point.

Gas valve regulator conversion.

Please refer to the details as supplied by the manufacturers of the gas valve conversion kit.

Remove regulator screw cap from gas valve. Turn screw in an anti-clockwise direction until fully removed.

Remove spring and replace with correct with gas pressure spring. The **Red dot on the side indicates** L P gas Stainless steel for natural gas. Replace with correct gas type spring and screw. Place the sticker on the gas valve as per the manufacturer's instructions

Re-connect the gas supply, Test for gas leaks and adjust gas pressure to data plate specifications. Replace regulator cap. Commence the lighting procedure as described in this manual.

Adjust the burner manifold pressure as shown below. Check and adjust pilot light.

Mark Data LABEL with the changes made.

NOTE. Burner conversion must always be undertaken by qualified service personnel.

Conversion Kits.

NG - LP part No. 393691

LP - NG part No. 394588

Injector sizes	Natural Gas	L P gas
Main valve	1.25 mm	0.75 mm
Manifold pressure	0.918 kPa	2.4 kPa

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8.0. Parts list.

Description	Part No. Model 120 S	Part No. Model 120 B	Part No. Model 150 s	Part No. Model 150 b
Gas Valve - Natural Gas	HEB01	HEB01	HEB01	HEB01
LPG Conversion Kit	HEB02	HEB02	HEB02	HEB02
Pilot Assembly	H120pipes07	H120pipes07	H150pipes07	H150pipes07
Ignition Module	HEB02	HEB02	HEB02	HEB02
Combustion Liner - Set of 4 pieces	HWK12046	HWK12046	HWK04/15	HWK04/15
Insulation strip -heat exchanger	HWK05	HWK05	HWK05	HWK05
Flow Switch	HES01	HES01	HES01	HES01
High Temperature Cut-out - 105 °C NC	HES02	HES02	HES02	HES02
Low temperature Cut - Out 50 °C NO	FES06		FES06	FES06
Thermostat PCB 45 - 85	HEB08	HEB08	HEB08	HEB08
Heatsaver interface	HEB09		HEB09	HEB09
Thermostat PCB 45 - 85	HEB07	HEB07	HEB07	HEB07
Thermostat Knob	HEB10	HEB10	HEB10	HEB10
Transformer 240 V - 24 V AC	HEB06	HEB06	HEB06	HEB06
Wiring Loom type S	HEW01		HEW01	
Wiring Loom type B		HEW02		HEW02
Pipe kit flow and return Type S	HWP02		HWP02	HWP02
Expansion Vessel	HWK06		HWK06	HWK06
Pressure reduction valve 1 Bar	HWK07		HWK07	HWK07
Pressure relief Valve 1 Bar	VSK424	VSK424	VSK424	VSK424
Heat exchanger	HWK01/12	HWK01/12	HWK01/15	HWK01/15
Gas Pipe set	HWP01/12	HWP01/15	HWP01/15	HWP01/15
Burner Assembly - Natural Gas	HWK02/12	HWK02/12	HWK02/15	HWK02/15
Burner Assembly - LPG	HWK03/12	HWK03/12	HWK03/15	HWK03/15
Pilot Tube - 400	HEB04/12	HEB04/15	HEB04/15	HEB04/15
Door - Front Panel	HSB200-2	HSB200-2	HSB200-2	HSB200-2
Door - Rear Panel	HSB205-2	HSB205-2	HSB205-2	HSB205-2
Collector Assembly	HSB170-12	HSB170-12	HSB170-15	HSB170-15
Panel - SIDE	HSB120-12	HSB120-12	HSB120-15	HSB120-15
Pressure relief valve	VSK424	VSK424	VSK424	VSK424
Circulator - Cast iron	RG2560		RG2580	

Products for that **WARM** feeling

9.0 Installation Schedule

9.1 Check list

- Gas Pressure and supply
- Electricity supply 240 Volts.
- Water pressure and supply
- Power on at control panel.
- LEDs - Power, Flow, Burner.
- Room Thermostat connection.
- Air Bleed - Circulator quiet.
- Boiler Starts and runs.
- Operation of boiler has been fully tested
- Hand Over to the owner to be completed
- All information filled in

Owner / Customer	
Installation Address	
Supplied / Installed by	
Contact.....	Phone No.
Purchase date/...../	Gas Fitters No.
Serial No	Invoice No.

Products for that **WARM** feeling

9.2 Service Schedule

<u>Date</u>	<u>Serviced by</u>	<u>Service work description</u>	<u>signed</u>
		Initial Installation	

Products for that **WARM** feeling

10.0 Warranty Registration Form

<h2 style="margin: 0;">HENDY MANUFACTURING Pty Ltd.</h2> <h3 style="margin: 0;">Warranty Registration</h3>		
Owner's Name		
Address		
.....		
City	State.....	Post Code
Address of Installation if different from above.		
.....		
.....		
Phone No.		
Installed by. Date/...../.....		
Gas Fitters Registration Number.		

Model	Serial No.
HYDRONIC 120 S B	H124
HYDRONIC 150 S B	H154