

# OPERATION MANUAL



March 2010

## Aussie Gigante Professional Hot Water Cleaner Revision: #0 (March 10)



**IMPORTANT:**

TO REDUCE RISK OF INJURY, READ OPERATING INSTRUCTIONS CAREFULLY BEFORE USING EQUIPMENT

## TABLE OF CONTENTS

1. General information .....	Page 2
2. Machine identification .....	Page 3
3. Warnings.....	Page 3
4. Conditions of Warranty .....	Page 4
5. Components and equipment.....	Page 5
6. Technical data .....	Page 6
7. Precautions and safety .....	Page 7
8. Installation.....	Page 8
9. Operation .....	Page 9
10. Maintenance .....	Page 10
11. Uses.....	Page 10
12. Trouble shooting .....	Page 11
13. Declaration of Conformity .....	Page 12

CONGRATULATIONS ON THE PURCHASE OF YOUR  
AUSSIE GIGANTE PROFESSIONAL HOT WATER PRESSURE CLEANER

---

## GENERAL INFORMATION

---

We recommend you follow these instructions very carefully because the manufacturer is not liable for any damage to persons, objects or the machine if it is used in ways other than those described, or should the maintenance and safety instructions not be followed.



This manual must always be available for the user and/or repairer, who must know how to use the machine correctly, and about any residual risks.

The instructions in this manual do not replace the safety precautions or technical data for installation and operation directly on the machine.



The user must observe the safety standards currently in force in the country of installation, in addition to the rules dictated by common sense.

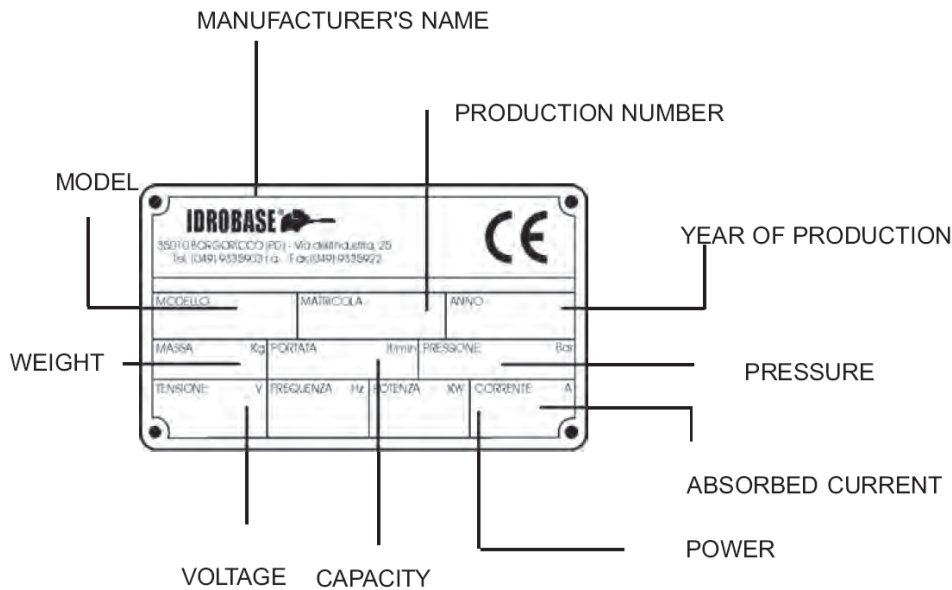
The machine must not be used if any faults are discovered or if there is any deterioration that could compromise safety; the installer, user or repairer is obliged to notify the manufacturer of any issues.

The machine is made for specific applications. It must not be modified and/or used for

applications other than those envisaged by the field of use. The instructions, drawings, table and all contents of this booklet are of a technical and confidential nature. None of the information contained herein must be divulged to third parties without written authorisation from Australian Pump Industries.

The descriptions and illustrations in this publication are by no means binding; the manufacturer reserves the right at any time to modify parts, details, accessory supplies that it deems necessary to improve the equipment or for any other manufacturing or commercial requirement.

## MACHINE IDENTIFICATION



## WARNINGS

Pay Attention to work safety!

Follow the instructions on the stickers. Failure to do so may cause severe injury, or endanger personal safety. Check that the stickers are present and legible. If they are not, install or replace them.

Read this manual thoroughly before starting, using, carrying out maintenance or other operations on the machine. Do not allow unauthorised personnel to use the machine.

It is strictly forbidden to carry out maintenance checks or operations when the machine is operational or live;

**ALWAYS UNPLUG FROM THE MAINS!!!**



Avoid exposing the machine to severe temperatures; the formation of ice may seriously damage the high pressure pump.

Wear protective garments.

Use liquid detergents only. The use of other detergents may endanger safety and the correct operation of the machine. Powder or tablet detergents can generate harmful gases.

Do not aim the jet at electric sockets, animals or persons in order to clean garments or footwear. The high pressure jet may be dangerous if used inappropriately.

Never direct spray jet to any surface that may contain asbestos material.

Pay attention to warning lights on control panel and read instructions on the machine.

Avoid eye contact with burner flames. Do not touch burner coil, chimney or steel section of lance.

**NEVER REMOVE THE LABELS FROM THE MACHINES. IF THEY HAVE DETERIORATED, ASK YOUR RESELLER OR THE MANUFACTURER DIRECTLY FOR A REPLACEMENT. THE MANUFACTURER IS NOT LIABLE IN ANY WAY IN THE EVENT OF ACCIDENTS OR BREAKAGE DUE TO NON-OBSERVANCE OF THE WARNINGS.**

## CONDITIONS OF WARRANTY

This Aussie Eco-clean Gigante is guaranteed for a period of twelve months from date of purchase. This warranty covers any defect which occurs due to faulty workmanship or material under normal use. Please keep your receipt as proof of purchase. This warranty specifically excludes the following:

- Damage resulting from debris or mineral deposits contained within the water supply to the machine.
- Leaking hoses when the outer cover of the hose has been abraded or the hose has been kinked.
- Damage to o-rings and valves, etc. caused by the use of cleaning chemicals or compounds.
- Replacement of parts damaged due to fair wear and tear.
- Misuse, negligence, alteration, accident or breakage.
- Failure of the machine due to lack of normal maintenance services (The owner is responsible for the performance of regular maintenance services, as specified in the Operator's Manual).
- Damage and/or progressive damage caused by the failure to inform Australian Pump Industries Pty Ltd, or the closest Authorised Australian Pump Agent or Distributor, within seven days of the defect becoming apparent.
- Repair or modification by an unauthorised service person.



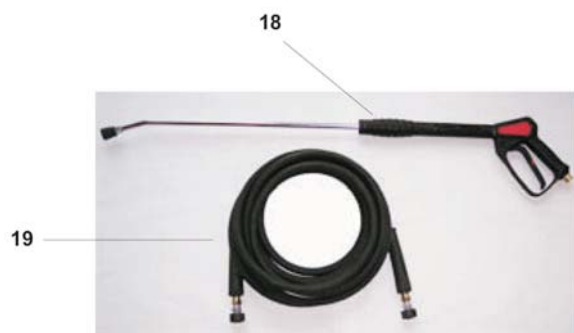
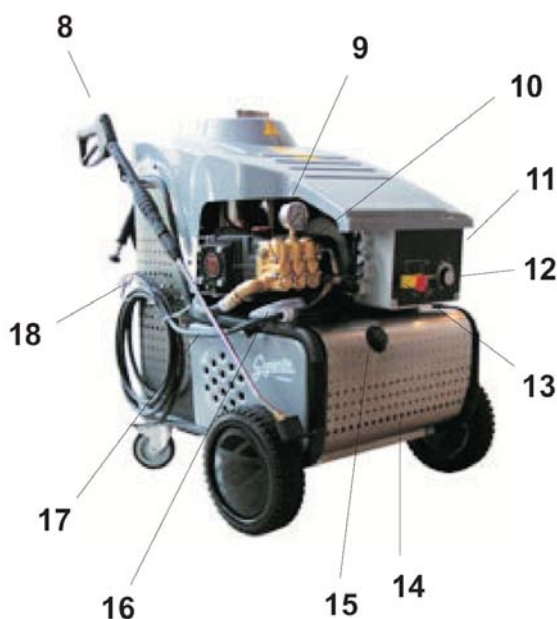
- Australian Pump Industries Pty Ltd specifically excludes from warranty responsibility any consequential loss or damage including on-site servicing, loss of time, loss of use of the machine, hire costs of a replacement machine or inconvenience.
- Where possible return faulty goods to the place of purchase. No products can be returned to us without prior permission. The reason for return must be clearly stated.

**N.B. Warranty is not transferable to third parties in the event of sale of the machine within the warranty period. Please note that any parts used in warranty repairs are guaranteed for a period limited by the original warranty of the parent product.**

## COMPONENTS AND EQUIPMENT



1. Side closing panel
2. Bearing structure
3. Electric motor
4. Casing
5. Handle and pipe holder AP
6. High pressure hose quick connection
7. Water feeding hose quick connection
8. Complete gun/lance at rest
9. Gauge
10. Pump high pressure
11. Electric control panel
12. Thermostat with ON/OFF switch
13. ON switch
14. Diesel fuel tank
15. Diesel fuel filling cap
16. Chemical intake pipe
17. Power lead
18. Cable holder
19. High pressure hose
20. Washing lance



## TECHNICAL DATA

MODEL	PRESSURE BAR	VOLUME LPM	POWER HP	TEMPERATURE MAX°C	DIMENSIONS (LXHXW MM)
<b>1450 275/18</b>	275	18	12.5 (3X400V)	45-90	790 X 1025 X 900

## PRECAUTIONS AND SAFETY

To guarantee long pump life do not pump water with sand or other particles that compromise the efficiency of the valves, pistons and seals. Fit additional filters to the water-feeding circuit if required.

Prolonged non-use (machine at a stop) at temperatures below 0°C (zero degrees Centigrade) may damage or break the pump and tubing. We recommend it is drained completely.

Check the electrical supply matches the requirements of the machine. We recommend the presence of an earth fault circuit breaker with 30mA sensitivity in the system.

The use of extension leads and movable plugs is forbidden. The workplace is exposed to water and humidity which effect the natural insulation conditions of the system. Check that both the electric cable and equipment are intact and insulated.

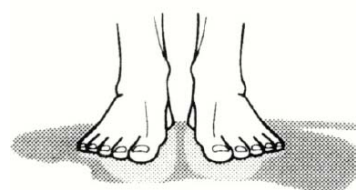
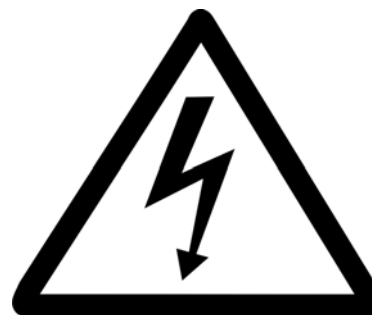
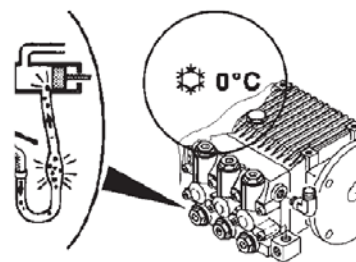
Do not use the equipment if it is damaged or has deteriorated; unplug the machine from the mains, and contact an authorised service centre.

Follow the standards set out by the Fire Brigade or other bodies in the place of installation.

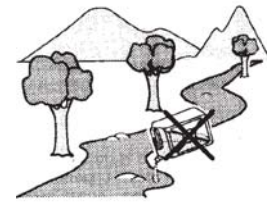
Do not touch the plug with wet hands or feet! Prevent accidentally switching on the machine; set the switch in the OFF position before plugging in or unplugging.

Do not pull the machine by the power cable; do not pull the cable to unplug the machine.

Do not aim the water jet at persons or animals, nor at the machine or any live object powered by electricity. Never aim the jet at yourself or at other persons to clean garments or footwear.



The chemical detergents must be used with care so as not to damage the machine or the environment. Do not run the machine near flammable products or in areas where there are flammable air born particles. Always check the biodegradability and aggressiveness of the detergents used. Do not use paints, acids, solvents, oily or very dense liquids etc.



Protect the machine from the cold and atmospheric agents in general. Cold starting may cause serious damage to the pump and motor.

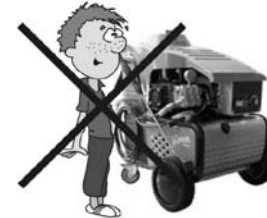


The machine must be used only by an adult operator who has been correctly trained to use it.



Never leave the machine unguarded especially when children are present. Once the equipment is live and able to function, it must be supervised by an authorised operator.

Do not use the machine when other people are in the work area, unless they have been given prior authorisation and are wearing protective garments.



There will be a modest “kick” when the trigger is pulled, hold on to the gun tightly with both hands.

Do not touch the steel part of the lance with your hands during operation!

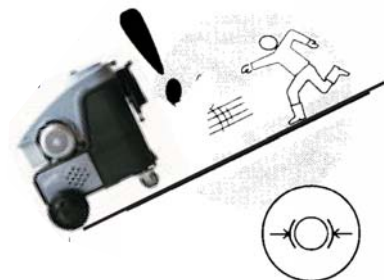


Do not use the machine in environments with gas emissions.

During operation the machine must not be covered

We recommend that the machine is not positioned on ramps or on sloping floors.

If it is, remember to lock the wheel with the safety pin to stop the machine rolling.



## INSTALLATION

Plug into the mains, making sure that the supply corresponds to that of the machine's. Ensure that a 16-25A circuit breaker is installed on the power supply. The machine must be earthed.

Connect the water mains to the inlet (see Fig. 1 A1) with a clean hose, checking that the pressure and the minimum water flow are sufficient, 1.5 bar and 25l/min respectively.

The machine is fitted with a water filter (Fig. 1 A). Replace it as soon as it gets clogged to prevent damage to the pump (see Fig. 1)

It is advisable to fit another filter to the water feeding pipe. The filter must have a large filtering surface and a low load loss (see Fig. 2).

Do not operate the pump without water. Dry operation causes serious damage to the pump seals.

Place detergent injection tube into bottle of diluted detergent if required.

Connect the high-pressure hose and the machine outlet (see Fig. 4)

Fill the fuel tank with at least 10 litres of diesel (see Fig. 5).

Turn on the mains switch and the water mains tap.

Start the motor/pump unit by pressing the On button (green) on the switch (see Fig. 5). Let the machine run for 2-3 minutes to prime the pump and eliminate any residue.

Switch the machine OFF by pressing the OFF button (red) on the switch.

Connect the gun and the HP hose (see Fig. 7).

The high pressure circuit hoses, couplings etc. are important for machine safety.

Use only hoses, couplings etc that are recommended and/or authorised by the manufacturer.

The machine is now ready to use. Press the "ON" button (green) (see Fig. 8) on the switch and...wash away!



fig.1



fig.2



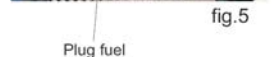
fig.3



fig.4



fig.5



Plug fuel



fig.7



fig.8

## OPERATION

For the filters and pumps to operate correctly, the high pressure washer must be kept horizontal.

Make sure thermal cut-out is switched OFF.

Check that all the afore mentioned criteria have been met.

### CAUTION

The motor/pump unit of a NEW machine needs to be briefly broken in. Break the machine in by operating it for no more than one hour, and then wait one hour for it to cool. This operation must be carried out four or five times.

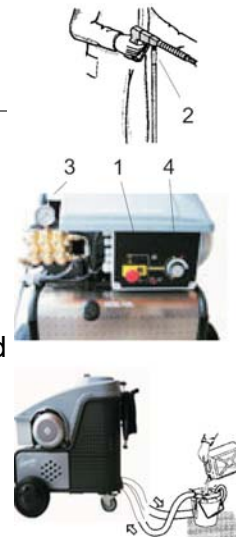
Replace the pump oil (SAE 20-30) after the first 50 hours of operation.

N.B. The machine must not operate any longer than 2 or 3 minutes with the gun closed.

To break in and use the machine, simply:-

### COLD WATER OPERATION

- . Turn on the water tap
- . Hold the nozzle and pull the trigger of the gun (2)
- . Switch on the motor/pump unit by the switch (1)
- . Check that the pressure value on the gauge (3) does not exceed the maximum values shown in the technical features.
- . Check that there is detergent or disinfectant in the tank.



### HOT WATER OPERATION

In addition to the above instructions, set the thermostat (4) to the required temperature.

#### WARNING!!! IMPORTANT NOTE:

After finishing washing, and before disconnecting the pressure washer, set the thermostat to OFF and let the pump idle for at least 5 minutes until the machine cools down.

This operation should be repeated every time the pressure washer is used with hot water.

If the machine is not used for long periods, or in environments with the temperature below 0°C (zero), switch on the pump with the anti-freeze mixture suctioned through the connection for about two minutes.

Drain machine completely if it is not going to be used for long periods.

## MAINTENANCE

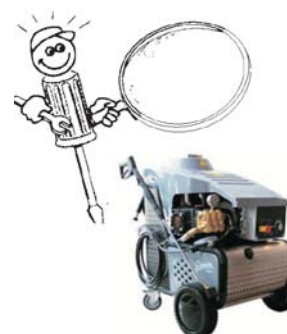
The user is **FORBIDDEN** to carry out maintenance or checks that involve opening the casing—contact the service centre. Before doing any maintenance or checks **UNPLUG THE MACHINE FROM THE MAINS!!!**

Never make any temporary or dangerous repairs; always use original spare parts and/or accessories, or those approved by the manufacturer so as not to compromise machine safety. Failure to follow these instructions will void the warranty.



Every six months, have a qualified technician make a general check on the main machine parts, as well as on the condition and wear of the materials. Contact your local service centre.

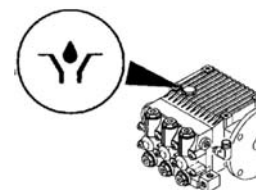
After using detergents or disinfectants, we recommend you insert the detergent hose with filter into a bucket of clean water and run the machine for several minutes to rinse the machine.



Every month, check the inlet water filter on the machine and any other filter the user may have installed on the feeding line. These must be removed and cleaned regularly.



Every 6 months, check the level of oil in the pump using the level hole, and if necessary top it up with SAE20 or SAE30 oil via the plug on the top.



Replace the oil once a year.

DIESEL FILTER

Check the diesel fuel filter every month and replace if necessary.



## USES

Ideal machine for companies requiring to use the pressure washer up to 4 uninterrupted hours. This machine must be operated by an adult, trained operator.

## TROUBLE SHOOTING

<b>PROBLEM</b>	<b>CAUSE</b>	<b>SOLUTION</b>
Vibration in delivery pipes or in sprayer.	The pump takes in air.	Check the pipe connecting to the mains. If it is damaged or broken, replace it.
	No water supply	Check connection to water mains
	Water filter blocked	Clean water filter
	Lance nozzle is blocked	Switch off the machine, disassemble the nozzle and clean it.
	Pump valve damaged	Call the Service Centre
No water or detergent to the lance even when the pump is working	Air in the circuit	Release air
	Lance nozzle is blocked	Switch off the machine, disassemble the nozzle and clean it
	No water to the lance	Check the water supply circuit
	Detergent intake pipe is faulty or badly fitted	Replace the detergent pipe or fill the tank with detergent
Pressure in the pump is above normal level but the pressure to the lance is weak	Lance nozzle is blocked	Switch off the machine, disassemble the nozzle and clean it.
	Circuit is blocked	Replace or clear the inlet and outlet pipes. If necessary, call the Service Centre for a check on the machine.
The machine (motor/pump unit) won't start	Mains voltage too low	Check electric connection
	Gun deactivated or switch is turned OFF	Deactivate the gun, turn the switch on and start the machine again.
	Circuit breaker has triggered	Re-activate the circuit breaker
	Power supply failure	Check the power supply and connect the machine again
<b>BOILER</b>		
Blocked Burner	No diesel fuel is supplied	Check the fuel level
		Make sure the filter is not blocked and that no air comes in the circuit.
Check integrity of motor/pump coupling		
Make sure the pump has not stopped.		
	No spark	Check the start up transformer
		Check position of electrodes.
White smoke from the boiler (even when the running temperature has been reached)	Air in excess in the combustion chamber	Adjust the pressure of diesel fuel (10 Bar).

---

## DECLARATION OF CONFORMITY

---

The undersigned, representative of the following manufacturer:

Idrobase srl - Via dell'Industria, 25 - DORGORICCO (PD)

DECLARES that the product

Model: HIGH PRESSURE WASHER

Is in accordance with the following directives:

89/336 EEC Directive (EMC Directive) and subsequent amendments  
73/23 EEC Directive (Low voltage Directive) and subsequent amendments  
98/37/CE Directive (Machinery Directive) and subsequent amendments

Place: DORGORICCO

Date: 21/03/2004

Signed:



*Reliable Products ...  
Reliable People*



Australian Pump Industries Pty Ltd  
7 Gladstone Road, Castle Hill NSW 2154  
Ph: (02) 8865 3500 Fax: (02) 9894 4240  
[www.aussiepumps.com.au](http://www.aussiepumps.com.au) [info@aussiepumps.com.au](mailto:info@aussiepumps.com.au)

