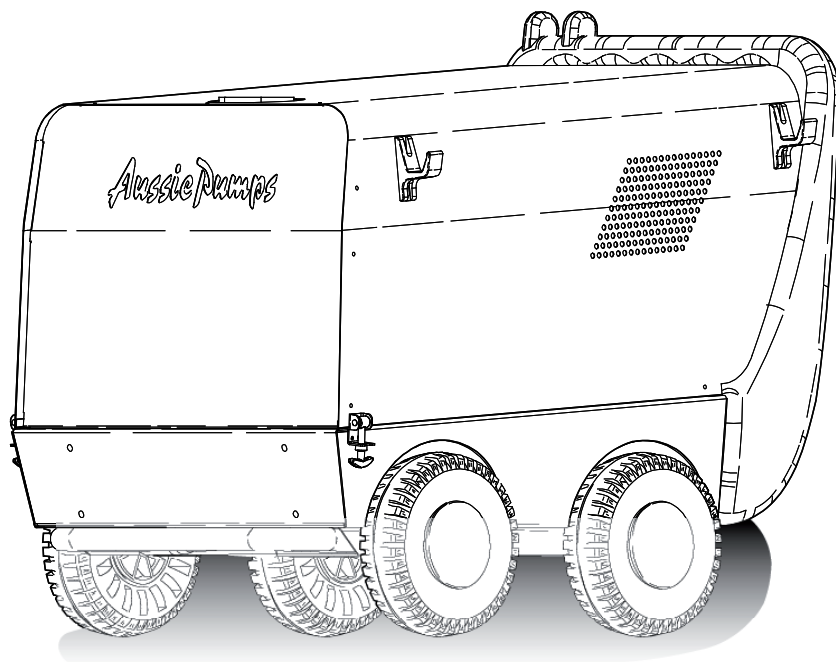


Aussie Eco-Clean

Super Indy High Pressure Washer

Operating & Maintenance Instructions



Read all instructions
carefully BEFORE using
your Super Indy steam
cleaner

AUSTRALIAN PUMP INDUSTRIES

Aussie Pumps



WE'RE FOR

AUSTRALIA

AUSSIE STEAM CLEANER PRESSURE BLASTER RISK ASSESSMENT

MODELS:

In line with the National Occupation Health & Safety Commission's requirements the data below applies to the following Aussie high pressure hot water & steam cleaners:

- ◆ Sizzler
- ◆ Super Indy series
- ◆ Admiral series



Aussie Pumps provides training for all Class A machine operators FREE of charge

NB: Class A machine operators do not require certification under AS/NZS 4233.1

DESCRIPTION:

Electric drive high pressure hot water and steam cleaners designed for professional cleaning applications.

MATERIAL CONSTRUCTION:

Aussie Super Indy and Admiral steam cleaners are mounted on heavy duty trolley mounted frames. They consist of a quality 4 pole electric motor driving a triplex style three piston high pressure pump, and a diesel fired burner/boiler system. The machines are supplied with wheels for ease of portability and manoeuvrability.

RISK RANKING METHOD:

Risk is the combination of the likelihood of a specific unwanted event and the potential consequences if it should occur.

RISK RANKING TABLE:

The consequences (loss outcomes) are combined with the likelihood (of those outcomes) in the risk ranking table to identify the risk rank of each loss event (e.g. a consequence of 'Moderate' with a likelihood of 'Likely' yields a risk rank of 17).

Likelihood	Use the matrix to determine the risk	Consequences				
		Insignificant	Minor	Moderate	Major	Catastrophic
	Almost certain	High 11	High 16	Extreme 20	Extreme 23	Extreme 25
	Likely	Moderate 7	High 12	High 17	Extreme 21	Extreme 24
	Possible	Low 4	Moderate 8	High 13	Extreme 18	Extreme 22
	Unlikely	Low 2	Low 5	Moderate 9	High 14	Extreme 19
	Rare	Low 1	Low 3	Moderate 6	High 10	High 15

Controls must be taken to either eliminate or minimise the risk.

The table yields a risk rank from 1 to 25 for each set of probabilities and consequences. A rank of 25 is the highest magnitude of risk that is a highly likely, very serious event.

A rank of 1 represents the lowest magnitude of risk, an almost impossible very low consequence event.



Risks associated with operating a high pressure cleaner ... for use in daily SAFE WORK METHOD STATEMENT

Hazard	Risk	Risk Rating	Controls
Entanglement with hose (tripping, falling)	Personal injury of the operator or bystanders	13	<ul style="list-style-type: none"> Warning stickers hose reel option Ensure firm footing before operating machine
Injury from high pressure water	Personal injury of the operator or bystanders	13	<ul style="list-style-type: none"> Warning notice on blaster Wear eye protection & PPE Use high pressure resistant gloves Always point spray jet at area to be cleaned Use barriers to keep bystanders away from work area Stop jetting if persons enter working area Never leave machine unattended Never point hose at any person or animal Never put your hand over the spray nozzle when operating Stop operating if a malfunction occurs
Ergonomic lifting or movement on site,	Personal injury	18	<ul style="list-style-type: none"> Operator's Manual Staff training
Electrocution	Personal injury	14	<ul style="list-style-type: none"> Warning sticker Disconnect from power before servicing machine
Burns from steam or hot water	Personal injury	14	<ul style="list-style-type: none"> Warning in Operating Instructions & decals on machine
Unsecured machine, moves unattended	Cause of accidents and/or injury	8	<ul style="list-style-type: none"> Use of chocks behind wheels or ute mounting kit
Dislodged particles in atmosphere	Sight damage	20	<ul style="list-style-type: none"> Never clean asbestos with high pressure water Use of eye protection
Slipping on wet surface	Personal injury	17	<ul style="list-style-type: none"> Use of proper footwear
Contact with chemical cleaners used to clean surfaces	Skin contact could result in burns, skin irritation etc. Fumes from some chemicals may lead to respiratory problems	22	<ul style="list-style-type: none"> Chemical cleaners to only be used as a last resort when other methods have failed. Areas to be kept well ventilated. Staff to follow manufacturers' instructions at all times for use, storage & disposal. Staff to wear the appropriate PPE Respiratory protection when required



NB: Class A machine operators do not require certification under AS/NZS 4233.1

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Preliminary operations	8
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CONGRATULATIONS ON THE PURCHASE OF YOUR AUSSIE SUPER INDY STEAM CLEANER

Before attempting to operate your machine please read this Instruction Manual thoroughly following all directions carefully. By doing so you will ensure safe operation of the unit and will enjoy long and trouble free service from your heavy duty water blaster.

GUARANTEE

This Aussie Eco Clean product is guaranteed against faults in manufacture for one year from purchase. Keep your receipt as proof of purchase. This guarantee is invalid if the product is found to have been abused in any way, or not used for the purpose for which it was intended.

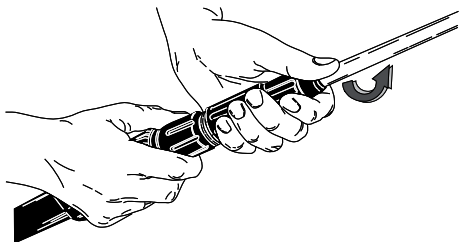
Routine maintenance is the owner=s responsibility. Failure to maintain the machine in line with the services outlined on Page 8 will invalidate warranty.

Where possible return faulty goods to the place of purchase. No products can be returned to us without our prior permission. The reason for return must be clearly state.

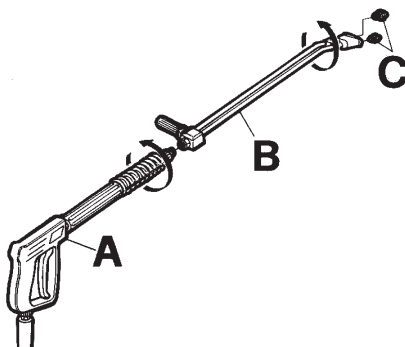
N.B. Warranty is not transferrable to third parties in the event of sale of the machine within the warranty period. Please note that any parts used in warranty repairs are guaranteed for a period limited by the original warranty of the parent product.

PREPARING THE CLEANER

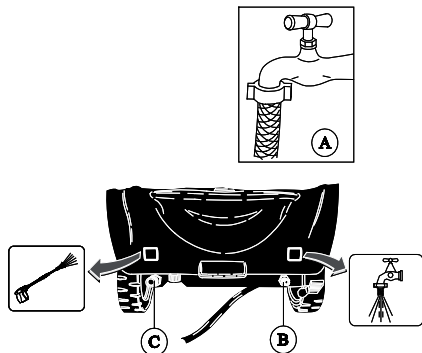
Fitting the lance.



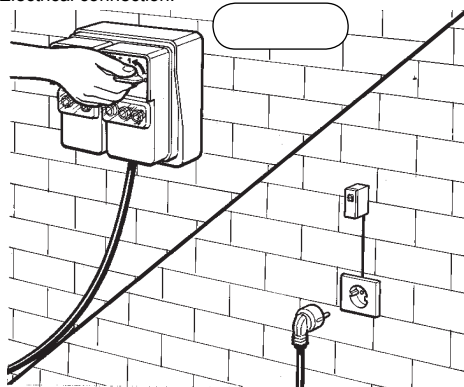
Fitting the lance.



Water circuit connection.

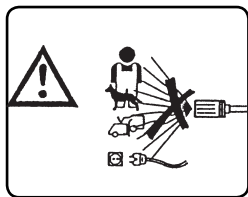


Electrical connection.

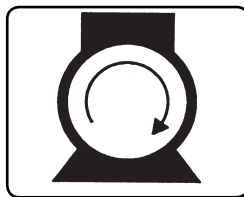


Continue reading this manual without connecting the cleaner to the power mains and the water supply.

DESCRIPTION OF SYMBOLS ON THE CLEANER



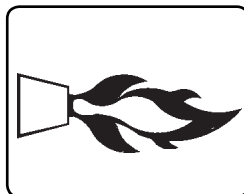
DO NOT DIRECT THE JET AT PEOPLE, ANIMALS, POWER SOCKETS OR THE MACHINE ITSELF.



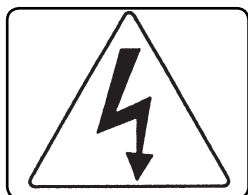
SWITCHING OF THE PUMP MOTOR.



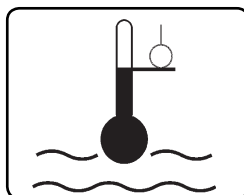
ATTENTION: RISK OF BURNS.



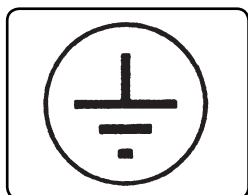
LIGHTING THE BURNER.



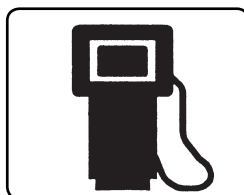
ATTENTION: RISK OF ELECTRIC SHOCK.



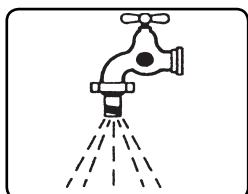
ADJUSTING THE WATER TEMPERATURE.



EARTH.



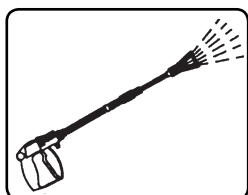
FUEL (DIESEL).



WATER INPUT.



CHEMICALS (DETERGENT).



WATER OUTPUT.



ANTI-SCALE PRODUCT.

The most important instructions are marked with the symbol:



INTRODUCTION

⚠ This manual must be read before installing, setting up and using the cleaner. The manual is an integral part of the product. It is composed of two parts, one of which is yellow. Read the warnings and instructions in this manual carefully as they provide important indications as to **SAFETY IN USE and MAINTENANCE**, paying special attention to the general rules for safety listed in the yellow booklet.

KEEP THIS MANUAL CAREFULLY FOR FUTURE CONSULTATION.

⚠ The contents of this booklet must be brought to the attention of persons using or carrying out routine maintenance on this water cleaner.

CLASSIFICATION

The user must observe the conditions of use of the appliance prescribed by the Rules, and particularly he must respect the following classification:

As for the protection against electric shock, the H.P. cleaner belongs to CLASS I.

The H.P. cleaner is factory set and all its safety devices are sealed. **It is forbidden to alter their adjustment values.**

The water in this machine is heated by a diesel fueled burner.

The H.P. cleaner must be always used on a firm and flat ground, furthermore it must not be moved while it is working or connected to the electric supply. Failure to observe this prescription may cause danger for the user.

The H.P. cleaner must not be used in the presence of corrosive or potentially explosive atmospheres. (vapours or gas).

The electrical installation must be performed by qualified technicians who are able to work in observance of the governing rules (in compliance with the provisions of the IEC 60364-1 standard) and of the manufacturer's instructions. Any damage to persons or property as a result of incorrect electrical installation is not the responsibility of the manufacturer.

Machines under 3kW are fitted with a plug. Check the data plate on the machine and ensure that the power source is suitably

rated and earthed. If an alternative plug needs to be fitted use a qualified electrician.

Do not use extensions to feed the H.P. cleaner.

The electric safety of this machine may be assured only when it is properly connected to an efficient grounding system in accordance with the governing laws for electric safety. (in compliance with the provisions of the IEC 60364-1 standard).

It is necessary to check this essential safety requisite. In case of doubt, ask for accurate control of the power system by qualified personnel.

The manufacturer may not be considered responsible for damages occurred because of the lack of the grounding system.

The H.P. cleaner must be connected to the electric supply by means of an omnipolar switch with opening contacts of at least 3 mm. This switch must have electric features which are consistent with the appliance. (This requisite does not apply to H.P. cleaners with plug and electric power lower than 3 kW).

The appliance is disconnected from the electric supply only by pulling out the plug or switching off the omnipolar switch.

Failure to respect the above absolves the manufacturer of all liability and represents negligent use of the product.

The water cleaner is considered as a fixed device.

⚠ Water cleaners with the "Total Stop" device should be considered as off when the omnipolar switch is in the "O" position or the plug is unplugged from the socket.

INTENDED USE

This appliance is intended exclusively for cleaning machines, vehicles, buildings and general surfaces suitable for treatment with a high pressure jet of detergent solution between 25 and 250 bar (360 - 3600 PSI).

This appliance has been designed for use with the detergents supplied or recommended by the manufacturer. The use of other detergents or chemicals may influence the safety of the appliance.

This appliance must be used only for the purpose for which it was specifically designed.

All other uses are to be considered incorrect and therefore unreasonable.

Examples of unreasonable use:

- Washing surfaces not suitable for cleaning with a high pressure jet.
- Washing people, animals, electric equipment or the machine itself.
- Using unsuitable detergents or chemicals.
- Blocking the trigger (lever) of the lance in delivery position.

The manufacturer cannot be held responsible for any damage due to improper, incorrect or unreasonable use. All high pressure washers are constructed in compliance with current safety standards and regulations.

PRELIMINARY OPERATIONS

UNPACKING

After unpacking, ensure that the cleaner is undamaged. If in doubt, do not use the machine. Contact your dealer.

Packaging (bags, boxes, nails, etc) is potentially dangerous and should be kept out of reach of children. It should be disposed of or retained in respect of national environmental legislation.

FITTING THE SEPARATE PARTS OF THE MACHINE

All the fundamental parts and safety devices of the machine are assembled by the manufacturer. For reasons of packing and transport, some secondary cleaner parts are supplied separately. The user must fit these parts as explained in the instructions supplied in each assembly kit.

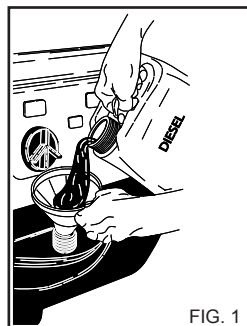
DATA PLATE:

The data plate bearing the main technical characteristics of your cleaner is located on the trolley and is always visible.

⚠ When buying your cleaner, ensure that it has an identification plate. If there is no plate, inform the manufacturer and/or the dealer immediately. Machines without a plate must not be used and the manufacturer declines all responsibility for them. Products without a plate must be considered anonymous and potentially dangerous.

FILLING THE FUEL TANK

Fill diesel fuel tank (fig. 1).



⚠ Do not use different fuel from that indicated on the identification plate. Check the fuel level from time to time while the cleaner is operating. Attempting to use the cleaner without fuel may cause damage to the fuel pump.

FILLING THE DETERGENT TANK

Use a detergent that suits your cleaning application diluted to the correct concentration. Fill the detergent tank with the diluted product (fig. 3).

Ask your dealer for the catalogue of the detergents that can be used depending on the type of washing job to be done and the type of surface to be treated.

After using a detergent, the detergent intake circuit must be flushed out with clean water.

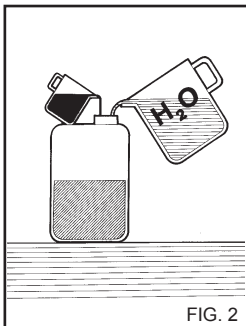


FIG. 2

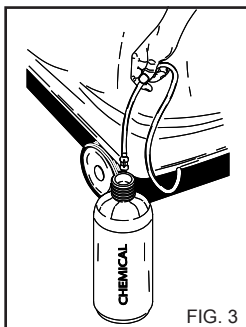


FIG. 3

FILLING THE WATER SOFTENER TANK. (if available)

Fill the tank with water softener solution.

Use only products recommended by the manufacturer and/or dealer. Follow the instructions given on the packaging meticulously. (Do not disperse water softener in the environment).

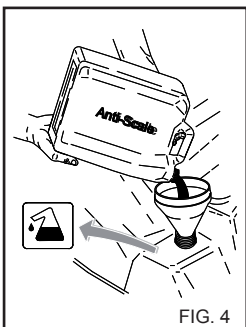


FIG. 4

COMMAND AND CONTROL DEVICES

⚠ Before connecting the machine to the water supply and to the power mains, it is essential to know the function of the cleaner's command and control devices.

WATER CIRCUIT CONNECTION

Connect the feed hose to the mains (fig. 5A) and to the hosetail on the cleaner (fig. 5B).

Check that the pressure and quantity of the water supplied by the mains are sufficient for the cleaner to work properly: 2 to 8 BAR (29 to 116 PSI). Maximum temperature of feeding water 50°C (122°F).

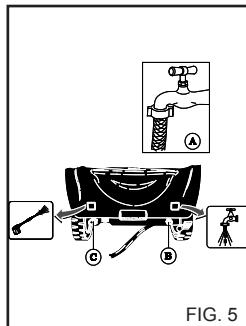


FIG. 5

Connect the high pressure hose to the cleaner (fig. 5C) and to the lance (fig. 6).

IMPORTANT.

The cleaner must operate with clean water. Dirty or sandy water, corrosive chemicals and solvents can cause severe damage to the cleaner.

Failure to respect the above absolves the manufacturer of all liability and represents negligent use of the product.

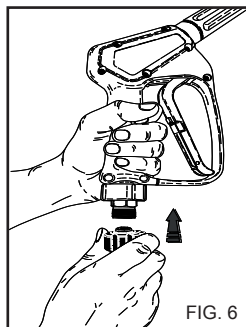


FIG. 6

ELECTRICAL CONNECTION

Connection of the cleaner to the mains must be carried out by skilled technicians able to ensure that all regulations in force are complied with use in respect of current standards and legislation.

Ensure that the mains voltage available is the same as the voltage at which the cleaner is supposed to work; this is indicated on the identification plate.

⚠ The electric cable must be protected from accidental crushing.

⚠ Do not use the machine if the supply cable is damaged.

⚠ The use of any electric appliance requires the respect of some basic rules:

- Do not touch the appliance with wet or damp hands or feet.
- Do not use the appliance bare-footed or with unsuitable clothing.
- Do not pull the supply cable or the appliance itself in order to disconnect the plug from the electric supply.

(For water cleaners rated at less than 3 kW fitted with plug).

As for the protection against electric shock, the H.P. cleaner belongs to CLASS I.

⚠ Failure to observe the above warning frees the manufacturer from all responsibility and constitutes negligent use of the product.

GENERAL WARNINGS ABOUT INSTALLATION AND USE

⚠ The use of any electric appliance requires the respect of some basic rules:

- Do not touch the appliance with wet or damp hands or feet.
 - Do not use the appliance bare-footed or with unsuitable clothing.
 - Do not pull the supply cable or the appliance itself in order to disconnect the plug from the electric supply.
- (For water cleaners rated at less than 3 kW fitted with plug).

⚠ The H.P. cleaner must not be used by children, teen-agers or incapable persons (under the influence of alcohol, etc.)

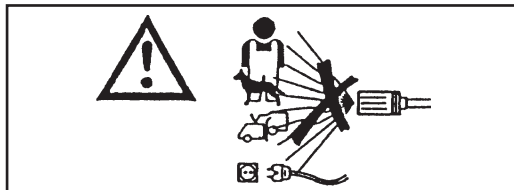
⚠ Use only original accessories that can allow safe working of the appliance.

⚠ The flexible hose connecting the lance to the H.P. cleaner must not be damaged.
In case of damage, replace it immediately.

⚠ Hoses, connections and fittings for high pressure systems are very important to guarantee the safety of the H.P. cleaner. Use only original spare parts which have the manufacturer's approval.

⚠ Do not use the H.P. cleaner when persons or animals are in the vicinity.

⚠ High pressure jets may be dangerous if not properly used.
The jet must never be directed at persons or animals, electric appliances or at the appliance itself.



⚠ Firmly as there will be a kick when the gun trigger is pulled. Hold the lance grip.

⚠ The use of the H.P. cleaner must be considered according to the kind of washing which must be performed.
Protect yourself against the ejection of solid materials or corrosive substances by means of adequate protective clothing

⚠ The use of the H.P. cleaner must be considered according to the place where the washing is performed (for example: food plants, pharmaceutical plants, etc.)
Pertinent rules and safety conditions must be followed.

As for the protection against electric shock, the H.P. cleaner belongs to **CLASS I**.

⚠ Do not direct water jets at your own body or others in order to clean clothes or shoes.

⚠ Do not tie the gun trigger in the 'on' position.

⚠ In the hot water H.P. cleaners a Diesel fuel burner is used for water heating. The use of other fuels is dangerous.

⚠ Before starting any cleaning or maintenance operation, disconnect the machine from the electric and water supply networks.

⚠ Periodically, at least once a year, have the safety devices checked by one of our service centres.

⚠ If the appliance is to be used in an enclosed space, install a flue gas extraction system and guarantee adequate ventilation.

⚠ The hot water cleaner must be supervised while it is working.

⚠ Do not clog the openings or the ventilation grilles and the heat and smoke extraction systems in the hot water cleaners.

⚠ Do not use the machine if the supply cable is damaged. For the replacement of the damaged cable apply exclusively to one of our technical service centres.
The supply cable of this appliance must not be replaced by the user.

⚠ The electric power cable must never be under mechanical tension and must be protected against accidental crushing.

⚠ In case of damage or malfunction, switch off the appliance (disconnecting it from the water main and from the electricity main via the omnipolar switch or by unplugging the plug in the case of water cleaners rated at less than 3 kW) without tampering with it.

Apply to one of our technical service centres.

USING THE CLEANER

CONTROL PANEL

- A - On/off switch
- B - Temperature regulator
- C - Detergent control tap (if available).
- D - Pressure gauge.

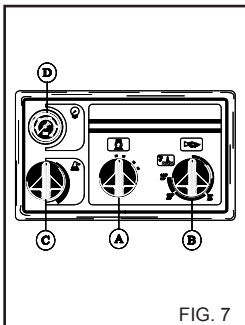


FIG. 7

STARTING THE CLEANER

- 1) Turn on the water supply tap (fig. 5A).
- 2) Connect the water cleaner to the mains electricity supply via the omnipolar switch or by plugging the plug into the socket.
- 3) Start the cleaner by turning the selector switch to pos. 1 (fig. 7A).
The high pressure water jet generates a reaction force in the lance. Keep a firm grip on the lance handle.
- 4) Press the trigger on the gun and begin washing.
- 5) To use the cleaner with hot water, turn the temperature regulator (fig. 7B) to the recommended washing values.
For some models turn the ignition switch (fig. 7A) onto the hot water position before effecting the operations described in this point.

⚠ In water cleaners with the "Total Stop" system, the motor starts and stops when the lever on the lance handle is actioned or released.

⚠ Do not tie the gun trigger in the delivery position.

IMPORTANT!

To eliminate any impurities or air bubbles from the water circuit we advise starting the cleaner for the first time without the lance and letting the water run out for a few seconds.
Impurities could block the nozzle and cause malfunction (Fig. 8).

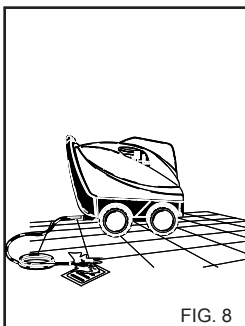


FIG. 8

STOPPING THE CLEANER

- 1) Switch off the burner by turning the pressure regulator to pos. "0" (fig. 7B).
- 2) Let the cleaner run with cold water only for at least 30 seconds to cool down the boiler.
- 3) After using with detergent, flush out the inlet; place the detergent suction hose (fig. 9) in a tank of clean water and let the pump run for 1 minute with the dosing tap turned fully on and the lance in detergent delivery condition.

- 4) Stop the cleaner by turning the selector switch to pos. "0" (fig. 7A).

- 5) Discharge the pressure from the H.P. hose by pressing the trigger on the gun

- 6) Disconnect the water cleaner from the mains electricity supply via the omnipolar switch or by unplugging the plug from the socket.

- 7) Turn off the water supply tap (fig. 5A).

⚠ If the water cleaner is left, even temporarily, turn it off by using the omnipolar switch or by unplugging the plug from the socket.

⚠ Water cleaners with the "Total Stop" device should be considered as off when the omnipolar switch is in the "O" position or the plug is unplugged from the socket.

⚠ When the water cleaner is not used, close the safety device on the handle.(fig.11)

⚠ Dry use of the water cleaner causes serious damage to pump gaskets.

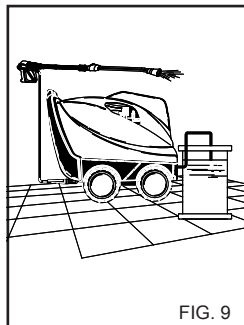


FIG. 9

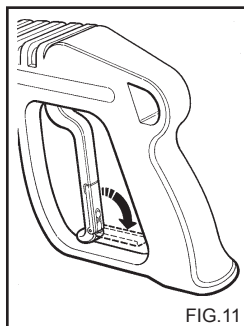
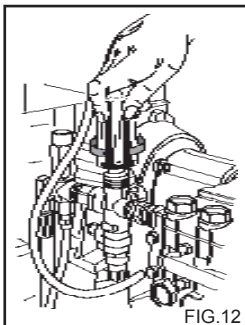


FIG.11

REGULATING PRESSURE AND USING STEAM (if available)

This chapter concerns only those models provided with the "pressure regulating" device. The pressure regulator, fig. 12, allows the operator to adjust the working pressure. When knob C is turned in an anti-clockwise direction (B) (minimum), the working pressure is reduced.



Use the steam nozzle (supplied as an accessory).

Turn the thermostat knob "B" (fig. 7) to steam position to obtain an increase in the temperature of the water at delivery.

At work temperatures higher than 95°C (203°F), the work pressure must be ≤ 32 bar (460 PSI).

⚠ During use with boiling water, "Steam Phase", keep away from the openings for fumes discharge (risk of burning).

When you have finished using the "Steam Phase", turn the thermostat knob "B" to position "0" (fig. 7) and let the machine cool down for about 3 minutes with the gun turned on.

ADVICE ON USING DETERGENTS

This cleaner has been designed for use with the detergents supplied or recommended by the manufacturer.

The use of other detergents or chemicals may influence the safety of the cleaner.

- 1) For environmental compatibility, we recommend a reasonable use of detergents, according to the instructions on the pack.
- 2) From the range of recommended products, choose the one most suited to the washing job to be done and dilute it with water according to the instructions on the pack or in the catalogue of the detergents most suited for the type of hot or cold water cleaner.
- 3) Ask your dealer for the detergents catalogue.

OPERATING PHASES FOR CORRECT CLEANING WITH DETERGENTS

- 1) Prepare the solution of detergent at the concentration most suitable for the type of dirt and the surface that is to be washed.
- 2) Start the cleaner, turn on the detergent tap (if present), switch on the detergent suction control on the lance and spray the dirty surface with the diluted product, working from bottom to top. Let it react for a few minutes.
- 3) Rinse the whole surface well from top to bottom with hot or cold water at high pressure.
- 4) After using with detergent, flush out the inlet; place the detergent suction hose (fig. 9) in a tank of clean water and let the pump run for 1 minute with the dosing tap turned fully on and the lance in detergent delivery condition.

MAINTENANCE

**ONLY THE OPERATIONS AUTHORIZED IN THIS INSTRUCTIONS MANUAL MAY BE CARRIED OUT BY THE USER.
ALL OTHER OPERATIONS ARE FORBIDDEN.**

⚠ For maintenance of the boiler, high pressure pump, the electrical parts and all parts with a safety function, you must apply to our Technical service centre.

⚠ Disconnect the water cleaner from the mains electricity supply via the omnipolar switch or by unplugging the plug from the socket and close the water supply tap (see chapters on connecting to the electricity and water mains) before carrying out any maintenance jobs. Once maintenance has been completed, ensure that the closing panels have been correctly reassembled and anchored with the screws provided before reconnecting the cleaner to the mains.

Failure to do so may cause a risk of electric shock.

PRECAUTIONS AGAINST FROST

The cleaner must not be exposed to frost.

If the cleaner is left in premises where it is exposed to frost, when work is over or for storage, antifreeze must be used to prevent serious damage to the hydraulic circuit.

OPERATIONS FOR USING ANTIFREEZE (fig. 13)

- 1) Turn off the water supply (tap), disconnect the hose and run the cleaner until it is completely empty.
- 2) Stop the water cleaner with the ON/OFF switch in the "O" position.
- 3) Prepare a container with the solution of antifreeze.
- 4) Immerse the tube in the container with the anti-freeze solution.
- 5) Start the water cleaner with the ON/OFF switch in the "I" position.
- 6) Start the cleaner and let it run until antifreeze comes out through the lance.
- 7) Suck up antifreeze with the detergent intake system too.
- 8) Disconnect the water cleaner from the mains electricity supply via the omnipolar switch or by unplugging the plug from the socket.
- 9) For high pressure cleaners provided with water tank, the detergent solution prepared as described in the point 3, must be poured directly into the tank.

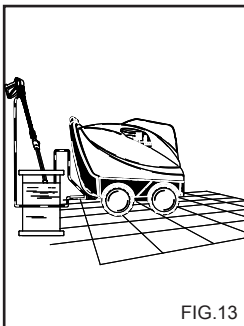


FIG.13

⚠ Anti-freeze may cause environmental pollution. Always follow the instructions given on the pack. (Dispose of carefully.)

⚠ For water cleaners without oil drain bung, contact our technical service centre for replacement.

CHECKING PUMP OIL LEVEL AND OIL CHANGE

From time to time check the oil level in the high pressure pump by means of the sight glass (fig. 14A) or the dipstick (fig. 14B).

If the oil has a milky appearance, call the technical service centre immediately. Change the oil after the first 50 hours' work and subsequently every 500 hours or once a year.

Proceed as follows:

- 1) Unscrew the drain cap situated under the pump (fig. 15C).
- 2) Unscrew the cap with the dipstick (fig. 14B).
- 3) Let all the oil drain off into a container and deliver it to an authorized oil collection and disposal centre.
- 4) Replace the drain screw and pour fresh oil in through the filling cap on top (fig. 15A) until it reaches the level indicated on the sight glass (fig. 15B).

Use only SAE 15 W40 oil.

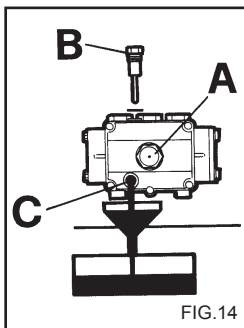


FIG.14

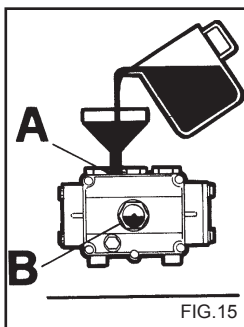


FIG.15

CLEANING THE FUEL FILTER AND TANK

Remove and replace the in-line fuel filter (fig. 16). Change it from time to time.

Empty the fuel tank.

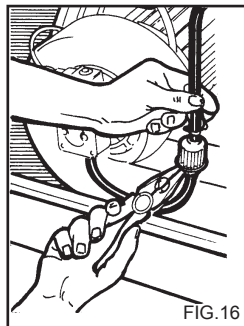


FIG.16

Open the drain cap (fig. 17) (if available) and let any impurities drain out into a container. Flush out the tank with clean fuel and close the drain cap.

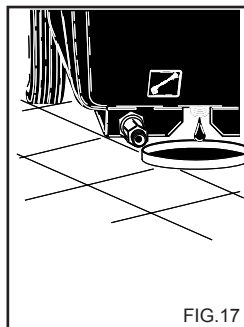


FIG.17

CLEANING THE WATER FILTER

Clean the water intake filter regularly and free it from any impurities (fig. 18).

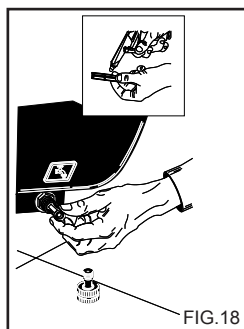


FIG.18

⚠ CHANGING THE NOZZLE

The high pressure nozzle fitted on the lance must be changed from time to time, as this component is subject to normal wear during use. Wear may generally be detected by a drop in the working pressure of the cleaner. To replace it, consult your supplier and/or dealer for instructions.

DESCALING

Descaling must be carried out from time to time because the scale present in the water partially deposits inside the hydraulic circuit and the coil which with time becomes clogged.

Apply to our technical service centre to have the machine descaled from time to time; this will save you money and increase the efficiency of the cleaner.

TABLE OF ROUTINE MAINTENANCE TO BE PERFORMED BY THE USER

Description of operations:

Check power cable - pipes - high pressure connectors Each use

1st oil change in H.P. pump After 50 hours
Subsequent changes in H.P. pump Every 500 hours

Change and clean fuel filters Every 100 hours
Clean fuel tank Every 100 hours
Clean water filter Every 50 hours

TABLE OF EXTRAORDINARY MAINTENANCE TO BE PERFORMED BY THE TECHNICAL SERVICE CENTRE

Description of operations:

Boiler:

Clean Coil Every 200 hours
Descale coil Every 300 hours

Clean fuel pump Every 200 hours
Change fuel nozzle Every 200 hours
Regulate electrodes Every 200 hours
Change electrodes Every 500 hours

Change seals on H.P. pump Every 500 hours
Change lance nozzle Every 200 hours
Calibrate and check the safety devices Once a year

IMPORTANT:

These intervals refer to normal working conditions. For heavy duty use decrease the interval for each job.

For maintenance and/or repairs, use only original spare parts which offer the greatest characteristics of quality and reliability. Failure to use original spare parts absolves the manufacturer from all liability and transfers it to the person carrying out the operation.

PERIODS OF INACTIVITY

If the machine is to remain inactive for a long period, disconnect the supply sources, drain the tank(s) of all the operating fluids and protect any parts that could be damaged by the accumulation of dust.

Grease the parts that could be damaged by drying out, such as the supply hoses. When bringing back into use, ensure that there are no cracks or cuts in the water supply hoses.

Oil and chemical products must be disposed of according to current legislation.

SCRAPPING

If you decide that the cleaner is no longer to be used, render it inoperative by removing the electric power cable. Ensure that all parts of the cleaner that could be a source of danger are made harmless, especially for children who might use the old cleaner for play. As the cleaner is considered special waste, dismantle it and divide the material according to type, then dispose of them as required by the legislation in force.

Do not use parts dismantled for scrap as spare parts.

TROUBLE-SHOOTING

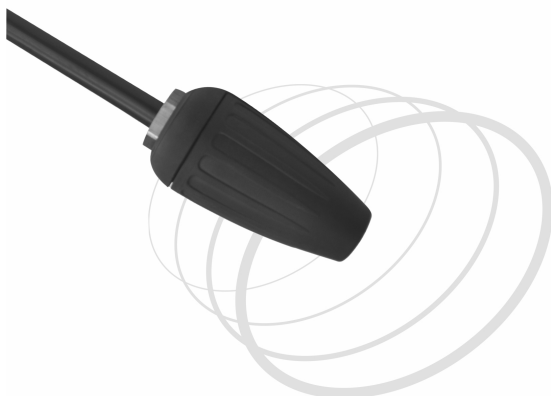
⚠ Before carrying out any operations, disconnect the water cleaner from the mains electricity supply via the omnipolar switch or by unplugging the plug from the socket.

FAULTS	CAUSES	REMEDIES
When the switch is turned the cleaner does not start.	Faulty electric connection. Thermal protection has tripped.	Check the mains voltage. Reset (if it trips again, apply to the technical service centre).
No jet or leakage from high pressure water circuit. After 30 seconds, the water cleaner stops. (DS Vers.).	Faulty water circuit connection. Clogged water filter. Mains tap turned off. Detergent tap turned on.	Check it. Clean it. Turn it on. Turn it off.
The pump turns but does not reach the rated pressure.	Water intake filter blocked. Faulty water circuit connection. Pressure regulation valve is set at minimum. Lance nozzle is worn. Dirty or worn valves. Detergent intake device on the lance is turned on.	Clean it. Check it. Regulate it. Apply to our technical service centre. Apply to our technical service centre. Turn it off.
When the lance is turned on the pressure falls and rises.	The nozzle is clogged or deformed. Insufficient supply.	Clean or consult our technical service centre Check it.
In by-pass or total stop phase, the water cleaner shuts down. (DS Vers.).	Micro-leaks of water from the high pressure circuit.	Contact Service Centre.
When the thermostat reaches the chosen temperature the boiler does not light.	No fuel. Fuel filters are clogged.	Check the fuel level in the tank and see that the fuel intake circuit is clean (no water). Change the in-line filter.
Water not hot enough.	Thermostat setting. Clogged filters. Boiler coil clogged with scale.	Check it. Clean the fuel filters. Apply to our technical service centre.
Too much smoke from the flue.	No fuel. Incorrect combustion. Impurities or water in the fuel.	Fill the fuel tank. Clean the various fuel filters. Empty the tank and clean it carefully. Clean the various fuel filters too.
Insufficient detergent suction.	Tap turned off. No detergent in the tank. Control on the lance not switched on. Coil or pipe clogged.	Turn it on. Fill the detergent tank. Set the control on the lance. Apply to our technical service centre.
Water leaks from head.	Gasket worn.	Apply to our technical service centre.
Presence of water in oil.	Oil seal rings worn.	Apply to our technical service centre.
Burner is smoking.	Water in the fuel tank. Fuel pressure incorrect. Air throttle adjusted incorrectly. Electrodes positioned incorrectly. Fuel nozzle dirty. Fuel nozzle worn or damaged. Heating coil blocked by soot.	Empty fuel tank, clean and refill with clean fuel. Contact Distributor for service. Contact Distributor for service. Contact Distributor for service. Contact Distributor for service. Contact Distributor for service. Clean heating coil.

FAULTS	CAUSES	REMEDIES
	Fuel pump dirty. Fuel solenoid valve not working.	Contact Distributor for service. Contact Distributor for service.
Burner cuts out during operation.	Fuel tank is empty (burner will produce white smoke). Suction filter is dirty. Water in fuel. Pressure switch not functioning. Ignition transformer faulty. Rotation of electrodes. Fuel nozzle is dirty. Fuel nozzle is worn. Fuel pump is faulty. Fuel solenoid valve not working. Fuse burnt out.	Refill the fuel tank. Remove filter and clean using fuel and a brush. Empty fuel tank, clean and refill with clean fuel. Contact Distributor for service. Contact Distributor for service. Contact Distributor for service. Contact Distributor for service. Contact Distributor for service. Contact Distributor for service. Check and replace.

Aussie accessories available for faster, smarter cleaning

Aussie Turbomaster turbo lance increases the effective working pressure of the machine without overloading the pump.

















Aussie stainless steel hose reels can be wall mounted & hold up to 50m of high pressure hose.



More available online ... aussiepumps.com.au

IMPORTANT:

For maintenance and/or repairs, use only original spare parts which offer the greatest characteristics of quality and reliability. Failure to use original spare parts frees the manufacturer from all responsibility.

	• Model		SUPER INDY 1012 M - DS	SUPER INDY DS 2016 T	
	• Power supply	~ v Hz	1 230 / 240 50	3 400 / 415 50	
	• Absorbed power	kW W	3,0 3000	7,4 7400	
	• Pressure	bar psi	100 1500	200 2900	
	• Flow rate	l/h gph	800 212	1000 264	
	• Fuel consumption	kg/h gph	5,8 1,8	5,8 1,8	
	Thermal capacity	kW	68,8	68,8	
	• Water out-put temperature	°C °F	30 ÷ 140 86 ÷ 284	30 ÷ 140 86 ÷ 284	
	• Fuel tank	l gal	18 4,75	18 4,75	
	• Detergent tank	l gal			
	• Discaling tank	l gal			
	• High pressure hose	m ft	10 32,80	10 32,80	
	• Power cable	m ft	5,5 18	5,5 18	
	• Lance thrust	N	29,5	52	
	Hand-arm Vibration	m/s ²	< 2,5	< 2,5	
	• Noise	Lp dB (A) Lw dB (A)	76 91	78 93	
	• Weight	kg lb	120 265	120 265	
	• Dimensions	cm in	100x68x89 39x27x35	100x68x89 39x27x35	

Notes:



Aussie Steam Cleaners | Super Indy & Admiral series

Designed for Aussie Conditions

- Single & three phase options
- Pressures to 4,000 psi
- Steam to 120 °C
- Slow speed four pole heavy duty motors
- Triplex pumps with brass head & ceramic pistons
- Mild steel or stainless steel coil options
- 18 litre diesel fuel tank
- High pressure detergent injection
- Stainless steel cover & steel chassis with bumper
- Low water cut-out
- Low fuel sensor
- Timed Total stop—auto shut down
- Safety thermostat
- Micro-leak detection
- Class A ... no operator RTO certification required
- Optional protective cage



Use steam for a faster, more hygienic clean!

ROUTINE CHECK LIST - IMPORTANT

- DAILY:

1. Check pump oil level. If oil is milky contact your Aussie Eco-Clean Distributor for service.
2. Check all high pressure components for leaks:
a) gun/lance; b) high pressure hose; c) all fittings.
3. Check power supply cable and plug for damage.
4. Check water inlet filter - clean if necessary.

- MONTHLY:

1. Check high pressure nozzle for wear. If pressure has dropped off, replace nozzle. If your machine is used regularly the nozzle may need replacing monthly to maintain performance.
2. Clean detergent suction filter.
3. Change lance nozzle tip.
4. Change oil
5. Check fuel filter

- **6 MONTHLY/250 HOURS:** - Contact your Aussie Eco-Clean Distributor for recommended service.

- **ANNUALLY/ 500 HOURS:** - Contact your Aussie Eco-Clean Distributor for recommended service.

WARNING

HIGH PRESSURE SETTING - The high pressure pump is factory set and sealed to operate at its rated pressure. **DO NOT ADJUST.**
Tampering with the pressure regulator will void warranty and can be **DANGEROUS**

Look after your machine . . .
and it will look after you!



AND REMEMBER . . .

Always wear protective clothing,
including boots and goggles!

Aussie Pumps



WE'RE FOR

AUSTRALIA

RELIABLE PRODUCTS . . . RELIABLE PEOPLE

AUSTRALIAN PUMP

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