

ORIGINAL INSTRUCTIONS

# OPERATING & MAINTENANCE MANUAL



## VACUUM CLEANERS

**AS10, ASL10, AS27,  
AS400, AS59 IK,  
AS59 P, AS59 P CBM,  
AS60 IK, AS600 IK  
CBM**

### *Vacuum Cleaners*

**Made in Italy for:**

Spitwater Australia Pty Ltd T/A Ottico Equipment

953 Metry Street, Albury NSW 2640 Australia

***Spitwater.com.au***



CREATORS OF



**WARNING:** Read and understand this instruction manual before operating this unit and retain for future reference. Failure to follow operating, safety and maintenance instructions outlined in this manual releases the manufacturer from any responsibility for any accidents or damage incurred and may render any warranty void.

**Congratulations** and thanks for purchasing the VACSTORM “GOLD LINE” VACUUM CLEANER. This is a high technology appliance, built to high standards of quality and aesthetics. It is a versatile, professional machine which, if it is used in accordance with instructions in this Manual, will give you a long period of use. **Therefore, please read and follow these operating instructions carefully.**

## TECHNICAL DATA

Model			AS10	ASL10	AS27	AS400	AS59IK	AS59P AS59PCBM	AS60IK AS600IKCBM
Capacity	Total	L	22	22	36	50	80	80	80
	Usable	L	10	6	25	35	56	56	56
Tank Material			Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Stainless
Air Flow		L/s	53	53	53	58	100	100	150
Vacuum		mBar	160	190	190	210	190	190	205
Noise Level		db(A)	60	62	62	63	65	65	66.5
Application			Dry	Wet/Dry	Wet/Dry	Wet/Dry	Wet/Dry	Wet/Dry	Wet/Dry
Motor	Power	P max W	1000	1150	1150	1350	2300	2300	3450
		P W	800	1000	1000	1200	1900	1900	2900
	Voltage	V	240	240	240	240	240	240	240
	Absorption	A	5	5	5	6	9	9	13
	Phases		1	1	1	1	1	1	1
	Hertz		50	50	50	50	50	50	50
Accessories	Diameter	mm.	36	36	40	40	40	40	50
Dimension	L x W x H	mm.	410x410x560	410x410x560	410x410x760	500x500x840	520x610x920	520x610x920	520x610x920
Weight		kg	8.8	9.2	9.7	13	21.3	20 21.3	25.2 26

**The Manufacturer reserves the right to modify design features and technical data without notice**

## **INTRODUCTION**

All VACSTORM "GOLD LINE" VACUUM CLEANERS have been designed to give safe, efficient and reliable service. Like any other piece of equipment; however, the unit will only operate at maximum efficiency if the correct operating sequences are followed and proper attention is given to the maintenance procedures.

The purpose of this manual is to provide the user with up-to-date information necessary for operating, maintaining and servicing the unit, together with fault finding techniques, general specification details and diagrams. The information given, however, may be subject to revision in compliance with the policy of continuing improvements.

## **HEALTH AND SAFETY AT WORK**

Manufacturers and suppliers of products for use in the workplace have a duty to ensure, so far as is reasonably practicable, that such products are safe and without risk to health when properly used and to make available to users of such products, adequate information about their safe and proper operation.

VACSTORM "GOLD LINE" VACUUM CLEANERS should only be used in the manner and purpose for which they were intended and in accordance with the recommendation detailed in this Manual, and in any other Government Standard applicable in your country. The units have been designed, produced and inspected with safety in mind; however, there are certain basic precautions which should be taken by the user and in particular, attention is drawn to the safety precautions in this Manual.

Therefore, it is imperative that all persons who use this unit read and understand all of the information and instructions on the safe and correct use of this product in order to ensure that they are fully aware of the hazards and that they are fully familiar with the purpose and correct manner of operation of this vacuum cleaner.

## **IMPORTANT SAFETY INSTRUCTIONS AND PRECAUTIONS**

**This Manual contains important information for the use and safe operation of this vacuum cleaner. Read and understand all warnings before you start using the unit.**

**WARNING: When using this vacuum cleaner:**

- 1. Read all instructions before using this vacuum cleaner and keep them for future reference.**
- 2. Know how to start and stop the unit.**
- 3. Follow the maintenance and fault-finding procedures outlined in this manual.**
- 4. This unit should only be operated by person trained in its use and expressly authorised to use it.**
- 5. This vacuum cleaner is not suitable for the pickup of health endangering dusts e.g., asbestos etc.**
- 6. To avoid any fire or explosion hazard the following materials must not be vacuumed:**
  - Hot materials (glowing cigarettes, hot ashes etc)**
  - Flammable explosive or aggressive fluids (petrol, solvents, alkaline substances, acids etc)**
  - Flammable explosive or aggressive dusts (magnesium, flour, aluminium dust etc)**
- 7. This unit is not to be operated by children, teenagers or impaired persons (i.e., people under the influence of drugs, alcohol etc).**
- 8. To reduce the risk of electric shock/damage never aim water jets at this vacuum cleaner and always make sure that plugs and sockets are at least spray proof or away from water.**
- 9. (All units) When using this unit for dry pick up always make sure the filter bag is fitted**
- 10. (Wet/Dry units only) When using this unit for wet pick up always remove the filter bag and check correct operation of the float. If the float stops suction or foam is noticed immediately stop the unit and empty the tank. Failure to do so may cause electrical shock / damage.**
- 11. Do not overreach or stand on unstable supports whilst using the vacuum cleaner.**
- 12. Read carefully the instructions concerning earthing and extension cords.**
- 13. Do not pull electrical cable in order to unplug the unit.**
- 14. Check power cords regularly. Do not affect temporary repairs on worn or damaged electrical cords and plugs. Have worn, cut or damaged cords and plugs replaced by an authorised service person/electrician.**
- 15. When using extension cords, it is essential to follow the instructions given in this manual under "EXTENSION CORDS". Wrong choice of wire dimensions can damage and impair the operation of the unit.**
- 16. Check the unit's filter regularly and do not operate the unit if the filter is damaged.**
- 17. When the unit is working, do not cover and do not place in a closed space where ventilation is insufficient.**
- 18. When finishing work, always turn the unit off.**
- 19. To prevent injuries, always disconnect power plug before disassembling any part of the unit or effecting any servicing and before leaving the machine.**
- 20. All servicing and maintenance procedures should be carried out by an authorised service person using spare parts supplied by Spitwater Australia.**
- 21. Local regulations and standards as to the installation and operation of vacuum cleaners must be observed.**

## **KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE**

### **ELECTRICITY SUPPLY AND EARTHING INSTRUCTIONS**

The VACSTORM range of VACUUM cleaners should always be connected to an appropriately earthed power outlet with voltage and current supply matching the ones listed on the data plate affixed on the unit.

**WARNING:** - This appliance must be earthed to avoid the risk of electrocution should a breakdown / malfunction occur.

All electrical connections and fittings used in installing this unit should be in accordance with local standards and regulations and all electrical work during installation and maintenance should be carried out by a qualified electrician.

### **EXTENSION CORDS**

The use of extension cords should be avoided wherever possible.

If an extension cord must be used, it must be a commercial / industrial grade cord designed for outdoor use. The extension cord must have an electrical rating not less than that of the unit and have an earthing wire.

Extension cords should be kept dry, away from traffic, sharp edges and heat to avoid the risk of electrocution. Connections should not be touched with wet hands and the extension cord should be disconnected from the power outlet prior to disconnecting the unit from the extension cord.

## INSTALLATION AND OPERATING INSTRUCTIONS

### INSTALLATION

1. Identify your unit from the data plate on it and check against the technical data if it's for DRY use only or for WET/DRY use.
2. Assemble the suction hose to the extension tubes and a suitable pickup accessory.
3. Remove the vacuum cleaner head by unlatching the clamps and remove any accessories that may have been packed at bottom of the tank.
4. If unit is to be used for dry pick up make sure the filter is clean, fitted correctly and in good condition. If unit is to be used for wet pick up, remove the filter and check that the float functions correctly.
5. Place the vacuum cleaner head on top of the tank and re-clamp it making sure that the power cord is opposite to the tank inlet.
6. Check that the voltage supply is the same as the one listed on the technical data / data plate on the unit.
7. Ensure the switch/switches are off (**position O**) and connect to a power outlet making sure all instructions in the Electricity Supply/ Earthing and Extension cord sections are followed.

### OPERATING INSTRUCTIONS

#### TO START AND USE

##### DRY VACUUM CLEANING (ALL MODELS)

1. Before turning on the unit make sure the filter is fitted, clean, dry and in good condition and that the tank is empty and dry.
2. **Do not attempt to pick up flammable / toxic / explosive materials.**
3. Start the unit by turning the switch on (**position I**). **Note:** In two and three motors units to obtain maximum suction 2 / 3 switches have to be turned on.
4. Pick up material as necessary.
5. When finished turn off (**position O – all switches where necessary**) and disconnect the unit from the power point.
6. Remove the Vacuum Cleaner head by unlatching the clamps, empty the tank and clean the filter by either shaking or brushing it, replace the head making sure the power cord is opposite the tank inlet and relatch the clamps.

#### TO START AND USE

##### WET VACUUM CLEANING (WET/DRY MODELS ONLY)

1. Before turning on the unit make sure the filter is not fitted, the float is operating correctly and that the tank is empty and dry.
2. **Do not attempt to pick up flammable / toxic / explosive materials.**
3. Start the unit by turning the switch on (**position I**). **Note:** In two and three motors units to obtain maximum suction 2 / 3 switches have to be turned on.
4. Pick up material as necessary.
5. Should the float stop airflow or foaming is noticed stop the unit immediately and empty the tank.
6. When finished turn off (**position O – all switches where necessary**) and disconnect the unit from the power point.
7. Remove the Vacuum Cleaner head by unlatching the clamps, empty the tank, replace the head making sure the power cord is opposite the tank inlet and relatch the clamps.

## MAINTENANCE INSTRUCTIONS

To maintain your unit in peak working condition during its operable life it is necessary to carry out regular maintenance operations and replace worn or broken-down parts immediately upon their failure. We suggest that a qualified service person carries out all maintenance and that original replacement parts be used in effecting repairs to guarantee quality, reliability and longevity. **Failure to follow above instructions releases the manufacturer from any responsibility in reference to injuries and damages to both persons and goods and may render any warranty given with the unit void.**

Please find below a summary table of maintenance operation with a general description on how they should be carried out:

### CHECKS TO BE CARRIED OUT BY THE USER

#### GENERAL

- 1) Power Cable (Each use)
  - a) Check power cable for cuts, abrasion or general damage each time the unit is used. If power cords plugs are damaged, they must be replaced immediately (not repaired) by an authorised service person / electrician.
- 2) Filter/Float/Tank (Each use)
  - a) Check that the filter is clean and in good condition.
  - b) Check that the float is operating correctly and in good condition.
  - c) Clean tank after every use. Do not allow material / liquid to sit in the tank for a prolonged period.
- 3) Performance (Each use)
  - a) Check machine functionality (i.e., operation, suction etc.) and performance and make sure that everything operates as described in the operating instructions. Should any malfunction occur, stop operating the unit immediately and contact an authorised service person / agent.
- 4) Filter (Every 30 Hours)
  - a) Wash filter using a little washing powder in lukewarm water – Do not use the filter unless it's thoroughly dry.

### CHECKS TO BE PERFORMED BY AUTHORIZED SERVICE PERSON / AGENT

Checks and the interval times at which checks that have to be performed by an authorised service person / agent should occur are summarised below. It is essential that such checks and repairs be carried out by an authorised service person / agent as they have the necessary experience and training to carry them out.

SUMMARY OF CHECKS TO BE CARRIED OUT BY THE USER		SUMMARY OF CHECKS TO BE CARRIED OUT BY AN AUTHORIZED SERVICE PERSON/AGENT	
Power cable/Filter/Float/Tank/Performance	Each use	Motor Brushes	Each 250 hours
Filter Wash	Each 30 hours		

#### NOTE:

- 1) The time indication for checks and replacement listed above are for units subject to normal operating conditions. Should the unit be subject to abnormal conditions (i.e., heavy duty use, extreme temperatures or climatic conditions etc.) the times should be reduced accordingly
- 2) Should the unit be subject to very limited use all checks and, if necessary, replacements should be carried out at least once per year.

## TROUBLESHOOTING

FAULT	CAUSE	REMEDY
The motor does not start when switch is activated	Plug is not connected Power cord is damaged No power supply	Check the plug Contact authorised service person / agent Contact an authorised electrician to check power supply
	Switch faulty	Contact authorised service person / agent
The motor is noisy		Contact authorised service person / agent
Reduced suction	Filter is dirty Suction hose / ext. tube / nozzle blocked	Check and clean the filter Check and clean / replace as necessary

**NOTE:** If the fault cannot be identified or corrected using the above list (or remedy states contact Authorised service person / agent) stop using the machine immediately and contact an authorised service person / agent to rectify the fault.