

ALPHA ALS WET / DRY

IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before using or servicing machine.



WARNING: Shock or electrocution hazard. **ALWAYS** unplug machine before performing any maintenance or service.



WARNING: Fire or explosion hazard. **NEVER** use to pick up flammable or combustible liquids, or any thing that is burning or smoking, such as cigarettes, matches, or hot ashes.

NEVER operate this machine in an explosive atmosphere (grain dust, flammable liquids or fumes, etc.)



WARNING: To reduce the risk of fire, electric shock, or injury:

INTENDED USE

The Alpha ALS units are intended for commercial use, vacuuming wet spills and / or dry debris from floors, in an indoor environment. This machine is **NOT** for use in asbestos or hazardous waste removal. NSS does not recommend using these machines for any other purpose.

When Using An Electrical Appliance, Basic Precautions Should Always Be Followed, Including The Following:

- **ALWAYS** read and understand all instructions before operating or servicing machine.
- **ALWAYS** use this machine **ONLY** as described in this manual.
- **NEVER** attempt to operate this machine unless you have been trained in its operation.
- **NEVER** allow an untrained person to operate this machine.
- **NEVER** leave the machine plugged in to the electrical outlet when not in use.
- **NEVER** unplug the machine from an electrical outlet until after the machine is turned off.
- **If** appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- **NEVER** disconnect or modify any switches or safety devices.
- **NEVER** operate this machine if the cord and / or plug has been damaged, broken, cut, abraded or taped.
- **ALWAYS** replace the entire cord when the cord or plug is damaged in any way.
- **NEVER** handle the machine, cord, or plug with wet hands.
- **NEVER** drop or insert any object into any machine opening.
- **NEVER** operate this machine with any air opening blocked. Keep all air openings free of dust, lint, hair, etc.
- **NEVER** pull or carry the machine by it's electrical supply cord, use the cord as a handle, close a door on the cord, pull the cord around sharp edges or corners, expose to heated surfaces, run machine over cord, or set heavy or sharp objects on the cord.
- **NEVER** unplug by pulling on the cord. To unplug the cord from the outlet, grasp the plug, not the cord.
- **NEVER** allow this machine to be used as a toy. Close attention is necessary when used by or near children.
- **ALWAYS** keep face, fingers, hair or any other body part or loose clothing away from any machine opening or moving part.
- **ALWAYS** use extreme care when cleaning on stairs or when machine is placed on stairs.
- **NEVER** operate this machine with out the dust bag and / or filters in place.
- **NEVER** use any attachments other than the manufacturers recommended attachments.
- **NEVER** spray this machine with water or any liquids.
- **NEVER** operate the machine outdoors.
- **NEVER** expose the machine to rain, snow, or extreme temperatures.
- **ALWAYS** store this machine indoors in a dry, cool area.
- **ALWAYS** use a defoamer when vacuuming soapy liquids.

ALL REPAIR SERVICE MUST BE PERFORMED BY AN NSS AUTHORIZED DISTRIBUTOR / SERVICE STATION USING ONLY NSS ORIGINAL EQUIPMENT PARTS.

SAVE THESE INSTRUCTIONS



IMPORTANT SAFETY INSTRUCTIONS

PROPER USE OF ELECTRICAL EQUIPMENT



WARNING: In a double-insulated product, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated product nor should a means for grounding be added to the product. Servicing a double-insulated product requires extreme care and knowledge of the system and should only be done by qualified service personnel. Replacement parts for a double-insulated product must be identical to those parts in the product

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NOISE AND VIBRATION

<u>NOISE - ALPHA 30</u> Sound pressure level at Operator position	71 dB(A)
<u>NOISE - ALPHA 100</u> Sound pressure level at Operator position	75 dB(A)

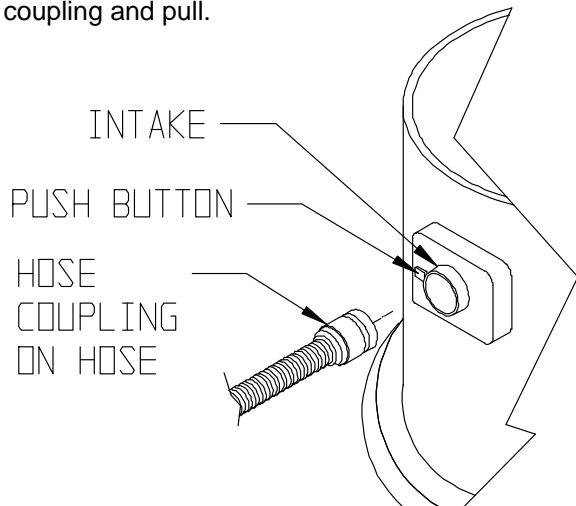
GENERAL INFORMATION

- Now that the machine is unpacked remember to recycle all packing materials.
- Inspect the machine for damage or missing components. If damage is found, contact the local freight company to file a freight claim.

ASSEMBLY

Installing the Hose

- Push in on the intake button, on the side of the intake, then, insert the end of the hose into the intake opening until it stops.
- To remove push in on the intake button, grasp the coupling and pull.



Attaching Wands and / or Tools

- Choose the proper tool for the operation being performed. Squeegee tool, for wet pick up. Brush tools, for bare floors or dusting. Crevice, or carpet tools.

Chrome Steel Wand

- When assembling the 2-pieces be sure to line up the indicators prior to connecting the parts together.
- The top end of the upper half of the wand connects to the hose.
- The bottom end of the upper half fits over the upper end of the lower half of the wand.
- Connect the proper tool to the bottom of the bottom half of the wand with a friction fit.

Optional Front Mount Squeegee

The squeegee mounts to the base of the machine and is used for vacuuming large areas of water spills, or to pick up excess liquids after stripping floors.

Dusting

For overhead areas use the two-piece tube kit. For routine dusting attach the dusting brushes, or crevice tool directly to the end of the hose.

MACHINE OPERATION

With the switch in the off position, plug the electrical cord into an approved outlet (See page 2). To turn the machine on, use the switch located on the lid of the machine.

Wet Pick Up

- Remove the polyester filter for wet pickup.
- Empty the tank
- As the liquid level rises the built-in float will be activated. The built in float **will not** be activated by foam.
- The motor will speed up and sound different when the airflow is closed off.
- Turn the vacuum off and drain liquids according to your local EPA regulations.
- NSS recommends that you always use a defoamer agent along with low foaming chemicals diluted according to manufacturers specifications in order to protect the vac motor. If the vacuum motor is flooded with liquids or foam immediately turn the motor **OFF**.
- Consult your local distributor for complete chemical advice.
- When using the wand with the squeegee tool on floors, the operator should drop his / her arm slightly to allow air to enter the front edge of the tool on the forward stroke. On the backward stroke the operator should raise his / her arm slightly to allow the back edge of the tool to clear the floor. This method gives the air a chance to do the work in the most effective manner.
- The operator should make strokes at a leisurely pace and at a length that feels the most natural.
- Always work away from the machine, pulling the machine behind you.

Dry Pick Up

- Dry soil can be vacuumed directly into the tank.
- Clean or replace the filter bag when suction is reduced.
- Choose the proper wand and / or tool.

MAINTENANCE

Routine maintenance is critical to ensure proper machine operation and cleaning performance. Perform all maintenance procedures as follows:

WARNING: Always unplug machine before performing any maintenance.

Daily Maintenance

- Inspect the cord and plug for any damage.

NOTE: To prevent damage to the AC power cord, ALWAYS store the machine with the AC power cord coiled loosely over the machine.

- Remove the hose from the machine at the end of each workday, check for obstructions and / or damage. Repair or replace as necessary. The wand and / or tools should be removed from the hose and the hose should be laid in a loose coil, or hung over several pegs on the wall. Clean the floor tool and wand of dirt and / or liquid residue.
- Empty the tank after each use.

Wet Pickup

- After each use the machine should be emptied and rinsed with clean water. Empty liquids and dispose of according to local EPA regulations. Allow to air dry.
- Shake the dirt and / or debris from the filter, if the machine was used for stripper pickup the filter must be thoroughly cleaned prior to air-drying.

Dry Pickup

A polyester filter bag is standard on this unit. Shaking lightly before removing from container will clean the filter.

- Shake the dirt and / or debris from the filter bag. The filter bag must be cleaned after each use to prevent loss of vacuum suction and possible machine damage.

Weekly Maintenance

- Inspect the hose for wear.
- Verify that all daily maintenance has been done.
- Check all gaskets for damage and to ensure an airtight fit. Repair and / or replace as necessary.
- Vacuum the filter bag to remove imbedded dirt and maintain airflow.
- Oil casters and wheels with light oil.
- Check the float for proper operation.

Monthly Maintenance

- Verify that all weekly maintenance has been done.
- Oil casters and wheels with a light machine oil.
- Replace casters and wheels as necessary.
- Inspect the floor tools for wear.

Every 4 months (Or 500 hours)

- Check carbon brushes for wear. When carbon brushes are 1/2" (1.27 cm) in length return the machine to an authorized NSS Service center for service.
- Failure to inspect vacuum motor for carbon brush wear can cause severe motor damage and failure.
- Check filters and gasket seals for wear or damage, replace if necessary.

TROUBLESHOOTING

Symptom	Cause	Solution
Machine Does Not Run.	Damaged Switch.	Replace Switch.
	Damaged Cord.	Replace Cord.
	Carbon Brushes Worn Out.	Replace Brushes.
	Vacuum Motor Worn Out.	Repair / Replace Vac Motor.
Machine Has Poor Or No Suction.	Obstruction in Hose, Tool, Wand or intake.	Remove Obstruction.
	Tank is Full.	Empty Tank
	Dirty Filters.	Clean or Replace Filters.
	Improper Coupling connection / Air Leak.	Check Gaskets for Fit or Damage. Adjust Coupling Connection.
	Gasket Missing, Damaged or Worn.	Replace Gasket.
	Holes in Hose.	Replace Hose.
Machine is Difficult to Move.	Damaged Wheels.	Replace Wheels.
	Damaged Caster.	Replace Caster.

Repair service for this machine must be performed by an NSS authorized service center. Repairs performed by an unauthorized company will void the machine warranty. If you require assistance finding an authorized service center, contact NSS Enterprises.



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