

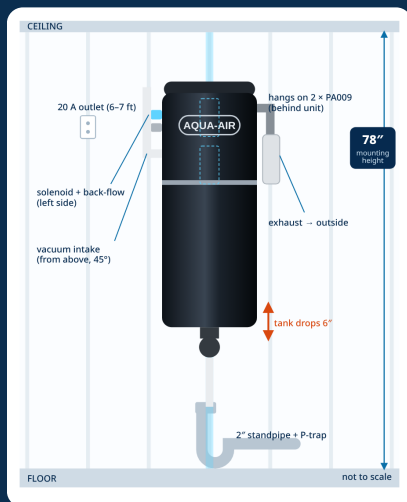
AQUA-AIR Wet/Dry

BUILT-IN TOTAL CLEANING SYSTEM

Owner's Manual

Models 130, 150, 158, 230 (single canister) and 250, 258 (dual canister)

Rev. Oct 2026



Read this manual before operating the system.

Aqua-Air Wet/Dry · Steam Pro, LLC · Since 1990

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aquaaairwetdry.com

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This edition replaces all earlier Aqua-Air Owner's Manuals. If you have an earlier manual, use this edition instead.

1 To the owner and the installer

To the owner

Read this manual thoroughly to get the most from your Aqua-Air Wet/Dry Built-in Total Cleaning System. The system dry-vacuums, picks up water and spills, and cleans with hot water and cleaning solution through wall-mounted inlets and water outlets. Dirt and water are separated in the power unit by wet cyclonic separation and a mesh debris screen and sent to the drain.

There are no filters to replace.

To register your warranty, complete the registration in Section 15 and return it to Aqua-Air within **30 days** of installation.

To the installer

Install the system according to the current Aqua-Air Wet/Dry Installation Manual (Rev. Oct 2026). In many jurisdictions the Aqua-Air piping and water lines are considered part of the appliance; verify local codes for water lines, drains and back-flow protection.

Leave this manual and the warranty information with the customer, or on the power unit, when the installation is complete.

Help and parts

For parts, current cleaning products and technical questions, call Aqua-Air at **1-800-916-5777** or email **aa@aquaaair-wetdry.com**. Have your model number, the approximate installation date and a description of the problem ready. Repairs inside the power unit are for your installing dealer or a qualified service person.

2 Important safety instructions

When using an electrical appliance, basic precautions should always be followed, including the following.

READ ALL INSTRUCTIONS BEFORE USING THIS CLEANING SYSTEM.

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

- Unplug and disconnect power before servicing. On two-motor units (230, 250, 258), unplug **both** cords.
- Do not unplug by pulling on the cord. Grasp the plug, not the cord.
- Do not handle the plug with wet hands.
- Do not use with a damaged cord or plug. If the appliance is not working as it should, is damaged, or has had water sprayed into the motor housing, call your service representative.
- Do not place or store anything that blocks the cooling-air intake or the exhaust openings on the power unit. The motor may overheat.
- Do not vent the exhaust into a wall, a ceiling or a concealed space of a building.
- Do not put any object into openings or use with any opening blocked. Keep free of dust, lint, hair and anything that may reduce airflow.

Never operate the system, for dry vacuuming or for wet cleaning, without the cold-water rinse turned on.

Keep cleaning compounds and disinfectants out of the reach of children. They may cause skin or eye irritation. Follow the instructions on the product label.

3 Grounding instructions

Connect only to a properly grounded, dedicated outlet.

- This appliance must be grounded. If it malfunctions or breaks down, grounding provides a path of least resistance for electric current, reducing the risk of electric shock.
- The appliance has a cord with an equipment-grounding conductor and a grounding plug. The plug must be connected to an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING

- Improper connection of the equipment-grounding conductor can result in a risk of electric shock.
- Check with a qualified electrician or service person if you are in doubt whether the outlet is grounded.
- Do not modify the plug. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.
- This appliance is for use on a normal 120-volt circuit and has a grounding attachment plug. Connect it to an outlet with the same configuration as the plug. Do not use an adapter.

4 Your system and its utility requirements

Model	Type	Motors	Dedicated 20 A circuits
130, 150, 158	Single canister	1	1
230	Single canister	2	2
250, 258	Dual canister (power unit + separation tank)	2	2

A motor booster (AA003-MB for the 250, AA003-MB 8.4 for the 258) adds suction for wet cleaning and needs one more dedicated 20 A circuit.

Electrical

- 120 V, 60 Hz. **One dedicated, grounded 20 A circuit per motor**, with nothing else on the circuit.
- **GFCI outlets are fine** on these circuits.
- Plug each cord directly into its own outlet. No extension cords or adapters.

Hot water (with shut-off)

Hot water, up to 170 °F (77 °C), supplies the water outlets and the chemical/disinfectant equipment.

Cold water (with shut-off)

1. Make sure the cold-water valve to the power unit is connected and turned on. Cold water feeds the rinse spray in the separation tank.
2. **Adjusting the rinse:** the flow is set with the needle valve below the solenoid. Turn it **clockwise to decrease** and counter-clockwise to increase. To measure, lower the waste tank, start the power unit and catch the water from the cone in a 4-cup (1 L) measure. Adjust to **9 cups (about 2 L) per minute**.

Normal drain cycle: the power unit stops about every 8 to 10 minutes so the waste tank can empty. It stops for about 8 seconds and then restarts automatically. This is normal.

Drain and exhaust

Drain: 2 in DWV drain to sewer, with a P-trap and vent to meet plumbing codes. **Exhaust:** motor exhaust is piped to the outside of the building by as

direct a route as possible. On two-motor units each motor has its own exhaust.

5 Dry vacuuming

1. Attach the curved wand of the dry vacuum hose to the dry vacuum tool you want to use.
2. Insert the hose cuff (metal end) into a vacuum inlet valve. This turns the system on automatically. If your hose has an on/off switch on the handle, switch it on.
3. Vacuum. Remove the hose from the inlet to turn the system off.

The cold-water rinse runs whenever the power unit runs. Make sure it is turned on (Section 4).

6 Wet cleaning

1. Attach the curved wand of the wet vacuum hose to the wet vacuum tool you want to use.
2. Connect the tool's water line to the wand: on residential tools, insert the end in the coupling and turn it a quarter turn to secure it; on quick-coupler tools, press back the outer ring on the socket and insert the water-hose end.
3. **Connect the tool to the hose before connecting the water line to the wall.** Water can spray out if the trigger is pressed.
4. Connect the hose's water line to the water-outlet quick coupling next to the vacuum inlet (or on an extension hose installed for this purpose): press back the outer ring on the socket and insert the water-hose end.
5. Insert the hose cuff (metal end) into the vacuum inlet valve. The system turns on.
6. Clean:
 - Dry vacuum all surfaces first.
 - Pre-spray the surfaces to be cleaned (Section 7).
 - Use spot cleaners and scrub heavily soiled areas and stains.
 - Rinse with water by pressing the trigger on the curved wand, and vacuum dry.

7. When you finish, rinse the hose and tools by sucking up clean water from a pail or sink, without fully submerging the hose. Then let the vacuum run a few minutes to dry the hose and lines.
8. Wipe off the tools and hose and hang the hose on its hanger, looped loosely 3 to 4 times, to avoid sharp bends.

Use **only Aqua-Air low-foaming cleaning solutions**. Carpet shampoo, all-purpose cleaners and automotive cleaners over-foam the extractor and can clog chemical equipment. Their use voids the warranty on the chemical equipment and the extractor. Call Aqua-Air for current cleaning products.

7 Pre-spray and disinfectant: REV-D.H. and AA035

Your system may have one of two ways to apply cleaning solution or disinfectant. If it has neither, pre-spray with a pump sprayer, mixing the product per its label.

REV-D.H. disinfectant mixer (at the hot-water outlet)

The REV-D.H. plugs into the hot-water outlet port. The port feeds it hot water and it mixes the disinfectant automatically, giving on-demand pre-spray.

1. Plug the REV-D.H. into the hot-water outlet port.
2. Plug the pre-spray hose (AA111 30 ft, AA112 40 ft or AA113 50 ft) into the REV-D.H.
3. Plug the AA115 pre-spray wand into the hose.
4. Set the mix ratio per the disinfectant manufacturer's label.
5. Spray to pre-treat the area, then rinse and extract with the wet tools.

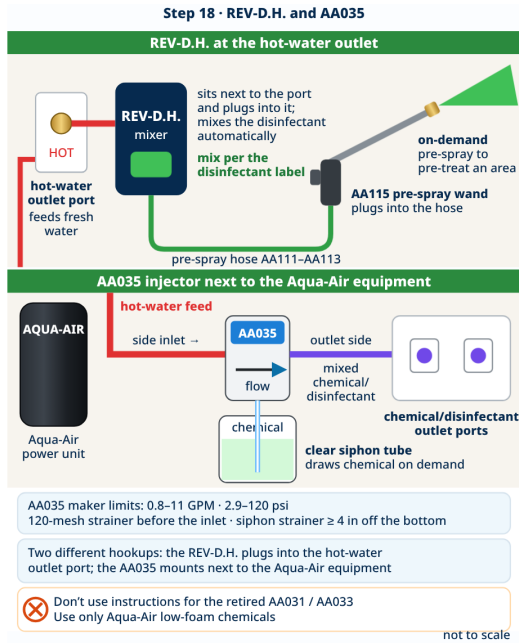
AA035 injector (chemical/disinfectant outlets)

If your installer fitted the AA035 injector next to the Aqua-Air equipment, the chemical or disinfectant comes out of the chemical/disinfectant outlet ports in your walls, already mixed.

1. Keep the chemical container filled with an approved product, and make sure the clear siphon tube is in the chemical and isn't kinked.
2. Connect the wet tool's water line to the chemical/disinfectant outlet, and press the trigger to apply.
3. For a plain-water rinse, switch to a hot-water outlet.

Contact Aqua-Air for the dose setting for your product.

Daily: check there is enough pre-spray or disinfectant for the day's use. After dry vacuuming, pre-spray carpets and fabric, then rinse with hot water and extract.



8 Cleaning procedures by surface

Pretest every product and procedure in an inconspicuous area for colorfastness, discoloration, texture change and safety before overall use. Mix all products per the label. Call Aqua-Air for current Aqua-Air products for each surface.

Residential carpet

Most carpet in homes is stain-resistant nylon. To protect its stain resistance, avoid water-based detergents above pH 10, avoid solvents except for spotting, and do not use pesticides, sanitizers or disinfectant solutions for overall cleaning. This process suits stain-resistant nylon, other synthetics and wool.

1. Thoroughly dry vacuum the carpet with your Aqua-Air dry tools and attachments.
2. Mix the carpet and fabric pre-spray per the label and dampen the soiled carpet.
3. Allow it to dwell on the surface for 10 to 15 minutes.
4. With the carpet-cleaning wand, move forward and back, spraying hot/warm water and extracting soil and water. Repeat 2 to 4 times until clean. Then go over the cleaned section with vacuum only; if soil or moisture remains, repeat 1 to 2 more times.
5. Groom the carpet with a carpet rake or groomer as needed.
6. Let the carpet dry with minimal use. Most residential carpet dries in 4 to 6 hours; some needs overnight. Fans and a warmer room speed drying; open windows help if the outside air is warm and dry.
7. Apply carpet protector if desired, per the label.

Commercial carpet

Most commercial carpet is synthetic and responds to the residential procedure above. Pretest for effectiveness and safety.

Hardwood floors

Most hardwood is coated with a urethane or wax finish. Chemical residues from household cleaners can damage these finishes; the Aqua-Air process leaves no residue.

1. Dry vacuum larger debris if needed. Small crumbs and grit come up in the wet process.
2. Dilute a heavy-duty pre-spray per the label's hardwood instructions and lightly mist it on the floor.

3. With the soft brush and squeegee attachment, mist the floor with hot/warm rinse water and lightly agitate soiled areas. Extract with the squeegee head. Repeat if needed.
4. The floor dries almost at once and is ready to use.

Tile and grout (residential)

Same as hardwood, except the cleaning solution may be diluted less to increase its strength.

Tile and grout (restaurant kitchen or similar)

1. Sweep up larger debris (food pieces, straws, napkins). Crumbs and grease come up in the wet process.
2. Generously wet the floor with heavy-duty pre-spray mixed per the label.
3. In heavy soil, scrub with a deck brush.
4. With the commercial brush and squeegee attachment, spray rinse water and squeegee dry. Repeat as needed. If your system has the AA035 injector, rinsing with a suitable cleaner from the chemical outlets also helps control odor and keeps the piping and power unit fresh.
5. Tile and grout are clean and dry almost at once.

Linoleum, vinyl, stone, concrete

Use the hardwood or tile-and-grout procedure, adjusted for the location and soil.

Auto interior carpet and upholstery

1. Dry vacuum thoroughly, using crevice tools. Wetting unvacuumed soil turns it to mud. Pre-vacuum well.
2. Generously pre-spray carpet and upholstery with heavy-duty pre-spray mixed per the label.
3. Let it dwell 15 to 20 minutes. Agitating with a scrub brush helps.
4. With the upholstery tool, spray hot/warm rinse and extract with a forward-and-back motion until clean. Re-vacuum the same area to remove as much moisture as possible.
5. Let it dry; fans speed drying. Apply carpet protector to carpet and fabric seats if desired.

Spot cleaning

Carpet: apply spot remover to the stain, work it with a clean spotting brush, blot with a clean white towel, rinse with the Aqua-Air hand tool if available, and repeat if needed. **Upholstery:** apply spot remover to a clean white terry

towel and blot the stain, rinse with the hand tool if available, blot dry, and repeat if needed.

9 Debris screen and routine care

Changing the debris screen

1. Open the latches on each side of the power unit and lower the waste tank to reach the debris screen (AA021 20-pack, AA022 50-pack).
2. Check the screen. **Replace it when it is two-thirds full.**
3. While it's open, check the guard screen in the separation tank above the center cone. It is not removable: clean it with a stiff brush. Check the whole upper part of the tank and remove any debris.
4. Fit a new screen: stretch open its top (knot at the bottom) and hang it evenly on the hooks on the lower part of the center cone. The screen must not hang down into the drain.
5. Lift the lower section back into place and close the latches on each side.

End of each day of commercial use

1. Open the lower section of the separation tank by releasing the latches on each side.
2. Rinse out the tank with a garden hose where available.
3. Leave the tank open overnight.

Maintenance schedule

When	Task
After every wet use	Suck clean water through the hose and tools; run a few minutes to dry the lines.
Each day (with chemical equipment)	Check there is enough pre-spray or disinfectant.
End of each commercial day	Open and rinse the lower tank; leave it open overnight.
When two-thirds full (about weekly in kennels and salons, about monthly in homes)	Replace the debris screen; brush the guard screen; clear the upper tank.
After bulky pickups (new carpet, wood shavings)	Check the debris screen.
Periodically	Rinse the inlets and piping with hot water (suck hot water from a pail at each inlet).

10 Helpful tips

- Don't leave the motor running unless a hose is connected and in use or an inlet is open. Air must flow through the fan or the motor can be damaged.
- Check the debris screen regularly, especially when vacuuming new carpet or picking up bulky items such as wood shavings. Replace it when two-thirds full.
- When using the residential wet hose and tools, connect the tool to the hose before connecting the water line to the wall.
- After wet vacuuming, clean the hose and tools each time. Suck up water from a pail or sink without fully submerging the hose, then let the vacuum run a few minutes to dry the hose and line.
- If possible, leave the holding tank (the bottom chamber of the power unit) open when not in use to air it out.
- Wipe off the tools and hose and store the hose on the hose hanger, looped loosely 3 to 4 times.
- To prevent odor, empty or replace the debris screen regularly.

11 Troubleshooting

Check these first

1. Debris screen: replace it if two-thirds full; brush the guard screen.
2. Waste tank fully closed and latched; the float can drop freely.
3. Power: building breaker(s) on; each motor on its own dedicated 20 A circuit; if an outlet is a GFCI, make sure it hasn't tripped. Press the reset button on the power unit.
4. Cold-water valve to the power unit is on.
5. Try another hose to rule out a blocked hose.

Unusual noise, a burning smell or water sprayed into the motor housing: **stop and call for service.**

Power unit doesn't run

- Check the main fuse or circuit breaker; replace a blown fuse or reset the breaker. If the outlet is a GFCI, reset it.
- Press the reset button on the power unit.
- Two-motor units (230, 250, 258): both cords must be plugged in to live circuits.
- See if the float in the waste tank has dropped to its normal empty position. Clean the tank if debris is holding the float up.
- Check the inlet valves and, if used, the hose on/off switch.

Control-circuit (jumper) test: for a qualified service person

1. Unplug the low-voltage vacuum-inlet wires and the tank-float wires from the power unit.
2. With short jumper wires, **jump the two top prongs together, and jump the two bottom prongs together.**
3. See if the unit turns on. If it does, the power unit is working and the fault is in the inlets, the low-voltage wiring or the float: check and replace inlet valves and repair wiring as needed. If it doesn't, the fault is in the power unit; call for service.

Earlier manuals described a diagonal jump. It does not work on current units; don't use it.

Motor starts and stops

- A pause of about 8 seconds every 8 to 10 minutes is the normal drain cycle.
- Stopping briefly or often: make sure each motor is on its own dedicated 20 A circuit with nothing else on it. GFCI outlets are fine. If a GFCI or breaker keeps tripping, have an electrician check the circuit.

Motor fails to restart after draining

- If the tank isn't draining right away, the debris screen may be too long and hanging into the drain, blocking the tank outlet. Re-hang it evenly on the hooks.
- Check that the float can drop completely. Clean out any debris build-up. There should be only about 1 in of cord between the float and its support.

Loss of vacuum

- Check that the flapper valve in the separation-tank drain closes when the vacuum starts. Reach it by removing the large cap on the valve housing at the bottom of the canister. The flapper should move freely. Clear any debris and refit the cap.
- The guard screen in the separation tank above the cone may be clogged. It is not removable; clear it with a stiff brush.
- The hose may be blocked. With another hose, reverse the hose ends and vacuum backwards through the blocked hose.
- Clean a dirty wet/dry hose by sucking up water with an Aqua-Air cleaning solution added.
- Two-motor units: run the unit a few minutes and feel each motor's exhaust. An exhaust that is cool, or pulls air in instead of blowing out, means that motor isn't running. Check that cord's circuit, then call for service.
- Only one inlet weak: suck a small amount of hot water into the system at the inlet nearest the power unit in that area and let it sit 5 to 10 minutes. Repeat if needed, then rinse each inlet with hot water and run 1 to 2 minutes to dry.

Water coming out of the exhaust

Stop using the unit until it's fixed. Likely causes are a flapper valve that isn't sealing, a faulty float, or foam in the waste tank from non-approved chemicals. Rinse with cold water, use only Aqua-Air low-foaming solutions, and call for service. Once the fault is fixed, lower the waste tank and run the unit about 10 minutes to dry the motors.

Water dribbles out of a wall inlet

Moisture is draining back from the piping. Rinse the system with hot water regularly, and ask your installer to check the piping for traps and high points.

No rinse water in the tank

Check that the cold-water valve is on and the rinse is set to 9 cups per minute (Section 4). If no water sprays while the motor runs, call for service.

No hot water at an outlet

- Make sure the hot-water supply and the shut-off valves are on.
- Outlets that got drywall mud or paint in them during construction can clog and leak. The quick connect (PAF04) can be replaced from the front without opening the wall.

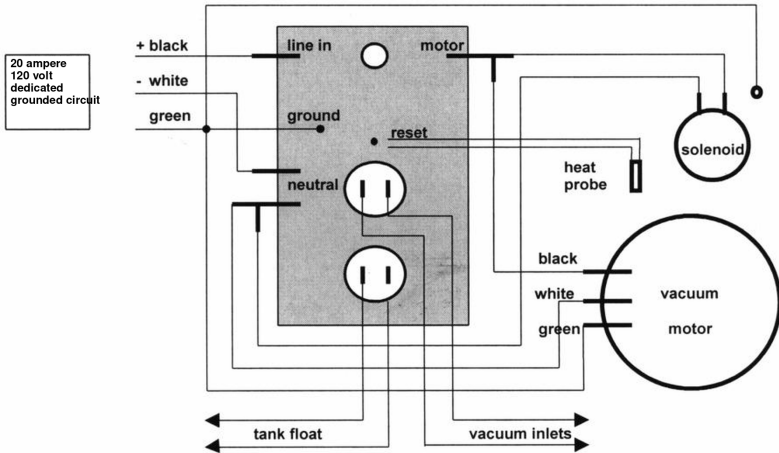
No cleaning solution or disinfectant

- Is there approved product in the container, and is the siphon or pickup tube in it?
- Are the hot water and the chemical equipment turned on and connected?
- The pre-spray tip may be clogged. Unscrew and clean it (B212 tip on the AA111-AA113 hoses).
- Calcium, mineral deposits or non-approved chemicals can clog the equipment. Call for service.
- REV-D.H.: check that it is fully plugged into the hot-water port, the hose into the REV-D.H., and the wand into the hose. If the mix is too strong or weak, check it against the disinfectant label.

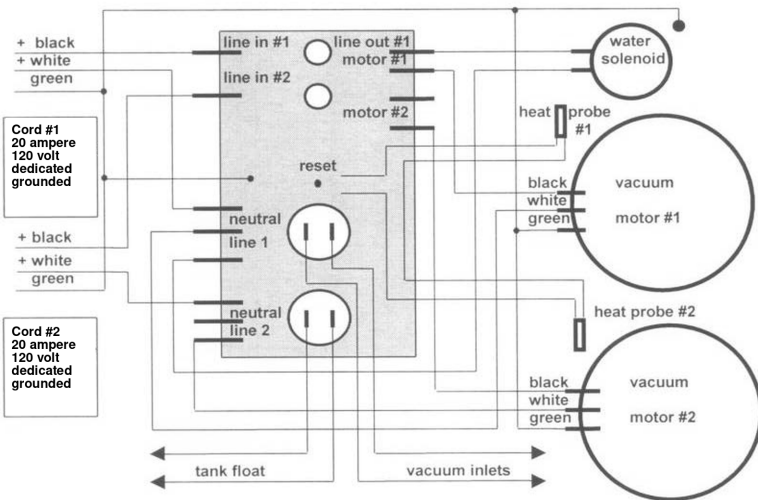
If the problem continues, call Aqua-Air at **1-800-916-5777** or your installing dealer.

12 Wiring diagrams

For a qualified service person. Unplug every cord before opening the power unit.



Models 130, 150, 158: one motor, one 20 A, 120 V dedicated grounded circuit.



Models 230, 250, 258: two motors, each on its own 20 A, 120 V dedicated grounded circuit.

13 Residential limited warranty

Models 130, 150, 158, 230, 250, 258

The manufacturer warrants to the initial purchaser that the Aqua-Air Wet/Dry power unit will be free from defects in material and workmanship for **five (5) years** from the date of first consumer purchase, and that hoses, tools and other attachments will be free from defects in material and workmanship for **ninety (90) days** from the date of first purchase.

To make a warranty claim, contact Aqua-Air at 1-800-916-5777 or aa@aquaaair-wetdry.com.

This warranty does not cover normal wear to the power unit resulting from use, or damage resulting from accidents, negligence, misuse or unauthorized alteration, or damage by fire, flood or other acts of God, nor does it cover the cost of repairs done by third parties. Motor brush and bearing wear is normal and is not considered a defect in material or workmanship.

This warranty does not apply to vacuum tubing, fittings, wall- or surface-mounted vacuum inlets or water outlets, or to the act of installing the Aqua-Air Wet/Dry cleaning system. Aqua-Air Wet/Dry disclaims any responsibility for incidental or consequential damages that occur as a result of defective material or workmanship.

THIS WARRANTY IS A SOLE AND EXCLUSIVE WARRANTY. ALL OTHER WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. THIS WARRANTY COVERS ONLY THE LIABILITY AND RESPONSIBILITY DESCRIBED HERE, AND THERE IS NO LIABILITY FOR ANY CONSEQUENTIAL OR SPECIAL DAMAGES ARISING FROM THE USE OF THIS SYSTEM.

Some states do not allow the exclusion or limitation of warranties or of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

This warranty becomes effective upon payment received and receipt of equipment, with the registration (Section 15) returned to the manufacturer by the original consumer/purchaser within 30 days, stating residential or commercial use.

Warranty shipping policy: the customer returns the defective item to Aqua-Air, paying any shipping costs. On receiving the defective item, Aqua-Air returns the repaired or replaced item by standard ground shipping.

Use of carpet shampoo, all-purpose or automotive cleaners, or other non-approved chemicals voids the warranty on the chemical equipment and the extractor.

14 Commercial limited warranty

Models 150, 158, 230, 250, 258

The manufacturer warrants to the initial purchaser that the Aqua-Air Wet/Dry power unit will be free from defects in material and workmanship for **one (1) year** from the date of first consumer purchase. Hoses, tools and other attachments will be free from defects in material and workmanship for **ninety (90) days** from the date of first purchase.

To make a warranty claim, contact Aqua-Air at 1-800-916-5777 or aa@aquaaair-wetdry.com.

This warranty does not cover normal wear to the power unit resulting from use, or damage resulting from accidents, negligence, misuse or unauthorized alteration, or damage by fire, flood or other acts of God, nor does it cover the cost of repairs done by third parties. Motor brush and bearing wear is normal and is not considered a defect in material or workmanship.

This warranty does not apply to vacuum tubing, fittings, wall- or surface-mounted vacuum inlets or water outlets, or to the act of installing the Aqua-Air Wet/Dry cleaning system. Aqua-Air Wet/Dry disclaims any responsibility for incidental or consequential damages that occur as a result of defective material or workmanship.

THIS WARRANTY IS A SOLE AND EXCLUSIVE WARRANTY. ALL OTHER WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. THIS WARRANTY COVERS ONLY THE LIABILITY AND RESPONSIBILITY DESCRIBED HERE, AND THERE IS NO LIABILITY FOR ANY CONSEQUENTIAL OR SPECIAL DAMAGES ARISING FROM THE USE OF THIS SYSTEM.

Some states do not allow the exclusion or limitation of warranties or of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

This warranty becomes effective upon payment received and receipt of equipment, with the registration (Section 15) returned to the manufacturer by the original consumer/purchaser within 30 days, stating residential or commercial use.

Warranty shipping policy: the customer returns the defective item to Aqua-Air, paying any shipping costs. On receiving the defective item, Aqua-Air returns the repaired or replaced item by standard ground shipping.

15 Warranty registration

Complete this form and return it to Aqua-Air within **30 days** of installation.
Mail it to the address below, or email the details to **aa@aquaaair-wetdry.com**.

Owner name

Street address

City, state, ZIP

Phone

Email

Model

☐ 130 ☐ 150 ☐ 158 ☐ 230 ☐ 250 ☐ 258

Serial number

Purchase date

Installation date

Installing dealer

Use

☐ Residential ☐ Commercial

Mail to: Aqua-Air Wet/Dry, Warranty Registration
PO Box 911031, St. George, UT 84790

AQUA-AIR Wet/Dry

BUILT-IN TOTAL CLEANING SYSTEM · SINCE 1990

Aqua-Air Wet/Dry · Steam Pro, LLC

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St. George, UT 84790

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aquaaairwetdry.com

Owner's Manual · Rev. Oct 2026

Supersedes all earlier Aqua-Air Owner's Manuals.