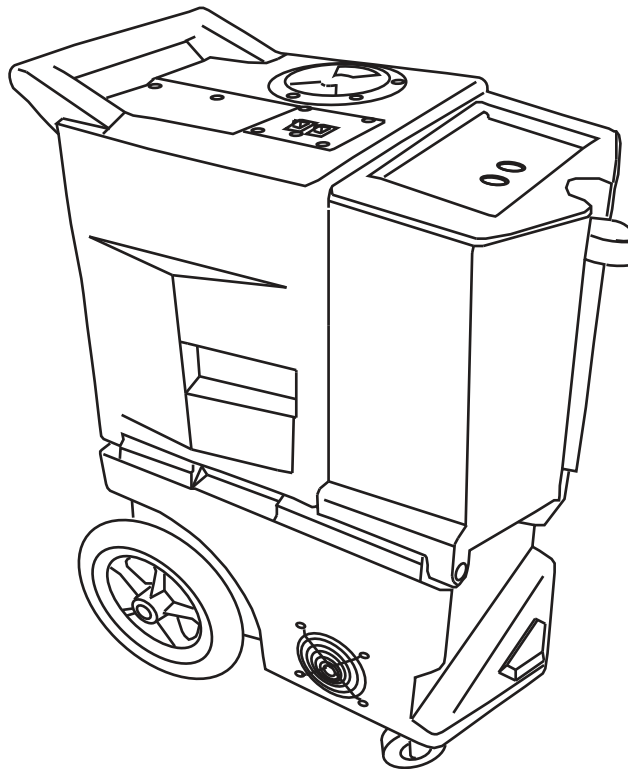




Eider

Portable Heavy Duty Extractor

Owner's Manual



Manufacturer of Commercial & Environmental Cleaning Equipment

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CAUTION

GENERAL PRECAUTIONS FOR SINGLE AND OPTIONAL DUAL POWER CORD EXTRACTORS :

Single Power Cord Extractors

Make sure the extractor is plugged into an electrical outlet with the same voltage as shown on the extractors.

Optional Dual Power Cord Extractors

Make sure the power cord is plugged into an electrical outlet with the appropriate voltage. (As shown on the extractor). Each power cord must be on separate circuits. To test if the extractor is on two separate circuits press the "Circuit Test" switch located on the switch plate. If the green light is illuminated it will confirm that the extractor is on two separate circuits. If the green light is not illuminated this indicates that the extractor is on the same circuit, and that the user must find an additional circuit to plug into.

Warning!

This extractor is designed for use on carpet, floor and upholstery applications as per instructions written in this manual. Any deviation from its proper use or purpose and the consequential damage that may occur is the sole responsibility of the end user.

Do not attempt to repair the extractor. Contact TMI

Do not expose extractor to extreme temperatures.

Do not use unauthorized replacement parts.

This extractor was tested before shipping and antifreeze may remain in the plumbing system. The user must flush out antifreeze before use. Make sure to use antifreeze if storing the extractor in extremely cold weather.

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LIMITED WARRANTY

All equipment and accessories are thoroughly inspected and tested before leaving the factory. They are warranted to be free of defects from workmanship and materials for one year from date of original purchase. (proof of purchase is required).

Labor: 1 year

Parts: 1 year, excluding normal wear and tear items

Polyethylene body: 5 years limited warranty

Should any trouble develop during this period, please contact your dealer or manufacturer to receive a Return Guarantee Authorization number (RGA #). Return the parts or extractor that need to be replaced. If after an inspection it is determined to be under warranty, the factory will repair or replace (manufacturer's discretion) the parts or equipment and return parts or equipment at no charge. Note: Credit, repair or replacement will not be given to any parts or equipment without the above mentioned RGA#.

Proof of purchase is necessary to establish the date of the original sale. Receipt of purchase or warranty registration can be used as proof of purchase.

This warranty is in lieu of all other warranties expressed or implied, and no person is authorized to give any other warranty, assume obligation or liability on the manufacturer's behalf.

This Warranty does not apply when:

- Repairs that are required because of normal wear and tear
- Repairs have been made or attempted by others
- Items have been abused, misused or improperly maintained
- Modifications or alterations have been made to the equipment

LIMITATION OF REMEDY:

In no event shall seller be liable for any incidental, consequential or special damages of any kind or nature whatsoever. Including but not limited to lost profits arising from or in anyway connected with this agreement or items sold hereunder, whether alleged to arise from breach of contract, express or implied warranty, or in tort, including without limitation, negligence, failure to warn or strict liability.

ENTIRE AGREEMENT / GOVERNING LAW:

This agreement and warranty shall be governed in all respects by the law of the State of California. No actions arising out of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action occurs. All mediation or litigation will take place in the County of Los Angeles in California.

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SAFETY INSTRUCTIONS

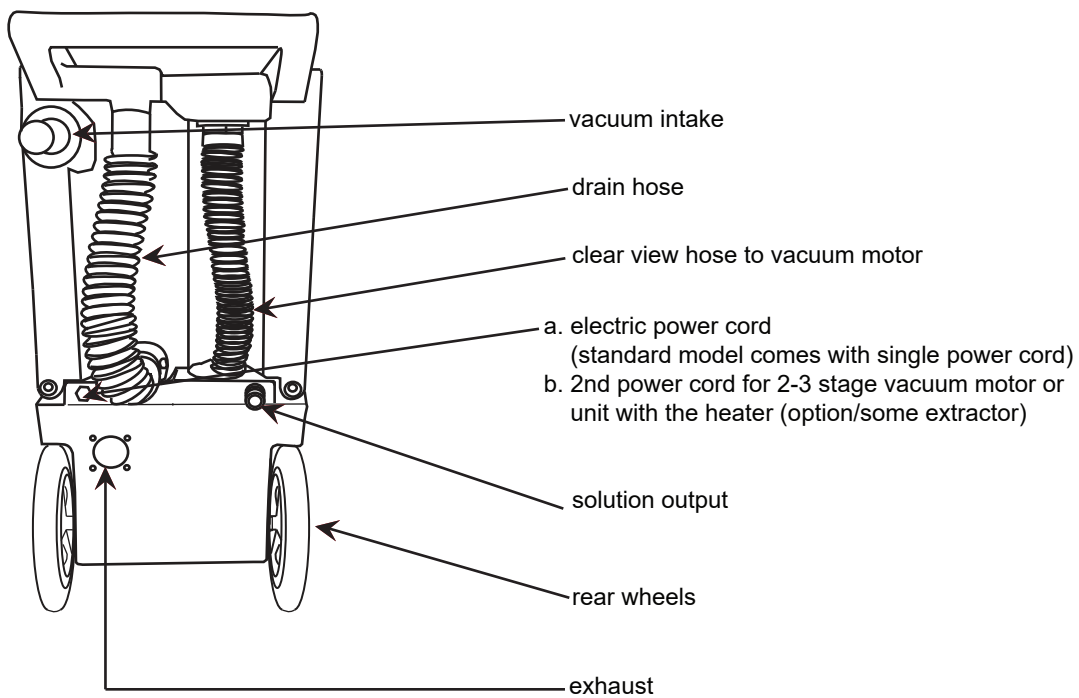
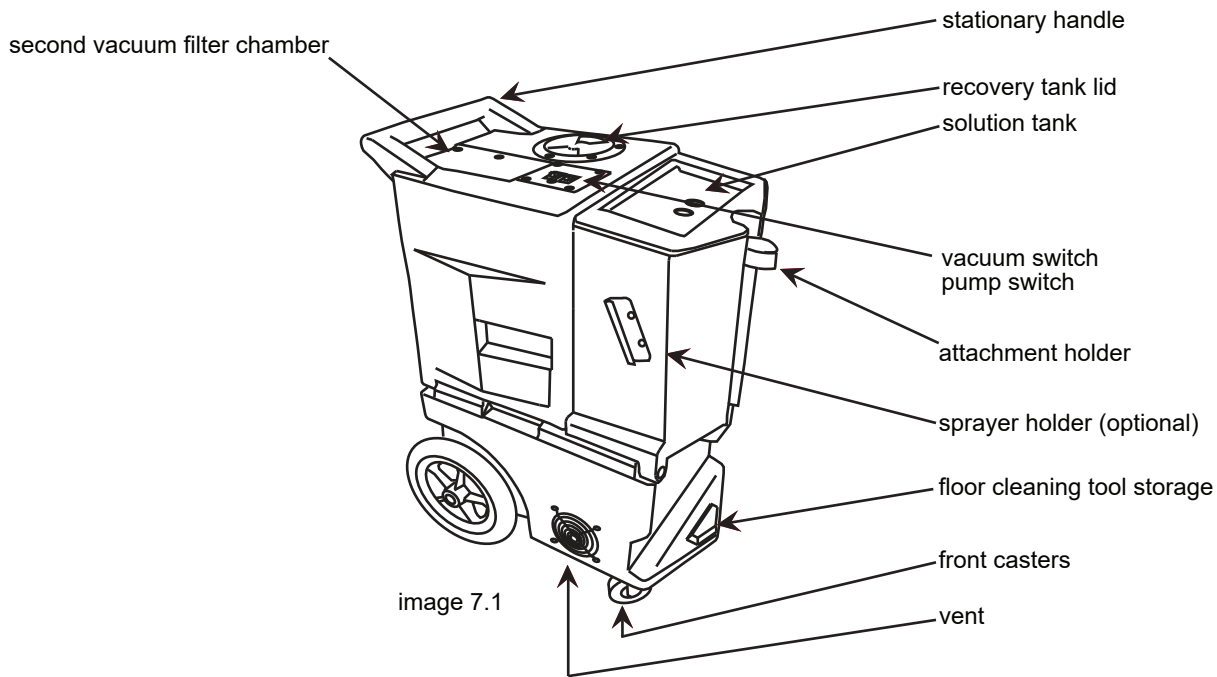
WARNING!

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

To reduce the risk of fire, electric shock or injury following these tips:

1. Do not leave appliance plugged in. Unplug from outlet when not in use.
2. Electric shock could occur if used outdoors or on wet surfaces.
3. Keep away from children. Extractor is not to be used as a toy.
4. Use only as described in this manual. Use only manufacturer's recommended parts.
5. Do not use extractor with damaged power cords.
6. Do not abuse the power cord.
7. Do not pull or carry extractor with the power cord.
8. Do not use the power cord as a handle.
9. Do not close doors on the power cord.
10. Do not pull power cord around sharp edges or corners.
11. Do not run the extractor over the power cord.
12. Do not keep power cords around heated surfaces.
13. Do not unplug by pulling on electric power cord. To unplug, grasp the plug, not the electric power cord.
14. Do not handle plug or appliance with wet hands.
15. Do not put any object into openings.
16. Do not use with any opening blocked; keep free of dust, lint, hair and anything that may reduce air flow.
17. Keep hair, loose clothing, fingers and all parts of body away from openings and moving parts.
18. Do not pick up anything that is burning or smoking, such as cigarettes, matches or hot ashes.
19. Do not use extractors without filters.
20. Turn off all controls before unplugging from electric outlet.
21. Use extra care when cleaning on stairs.
22. Always wear safety equipment and appropriate clothing when operating the extractor.
23. Do not use extractor to pick up flammable or combustible liquids such as gasoline or use in areas where such items may be present.
24. Connect to a properly grounded electric power outlet only.
25. Do not attempt to service the extractor while appliance is plugged in.

UNIT OVERVIEW



ASSEMBLY

CONNECT ELECTRIC POWER CORD

Protect the ground plug. This plug is to be used with a proper grounding type (three prong) . Do not break off or pull out the grounding blade. (see below image)

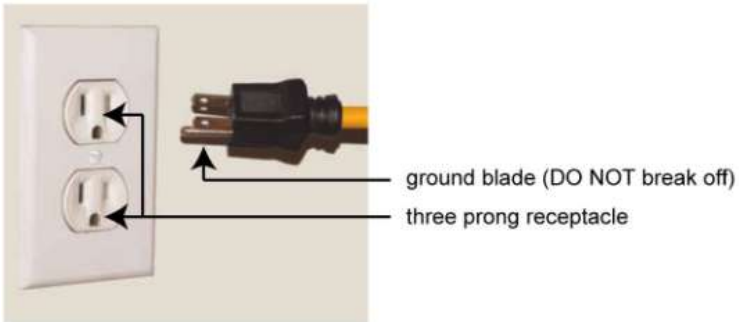


image 8.1

CONNECT HOSE

The solution hose has a male quick connect on one end and a female quick connect on the other end. (See below image)

- Vacuum hose connection to attachment tool
- Solution hose connection to attachment tool quick connector
- Solution hose line

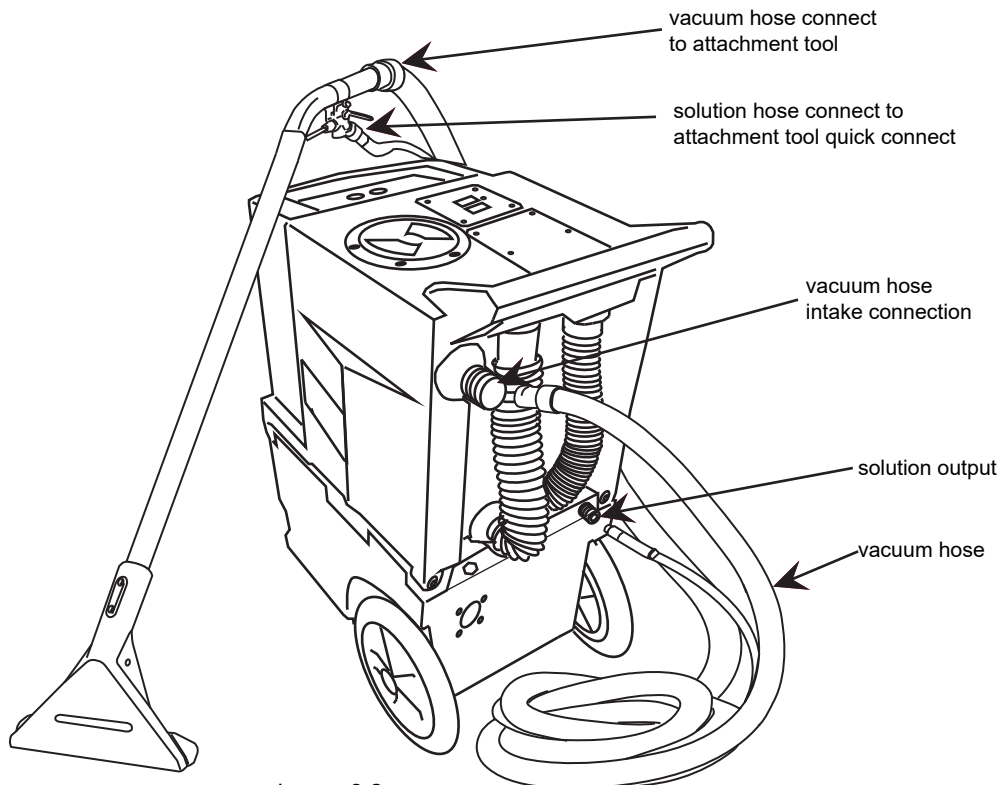


image 8.2

OPERATING THE EXTRACTOR

BEFORE OPERATING:

Read the manual carefully and completely before attempting to operate the extractor. Make sure the unit is plugged into an electrical outlet with the same voltage as shown on the extractor.

1. When plugging in a dual power cord extractor (optional); each cable should be on separate circuits.
2. Always thoroughly pre-vacuum the surface to be cleaned. Using an upright vacuum cleaner (or the extractors dry vacuum with optional dry attachment).
3. Pre-spray the cleaning area with recommended cleaning solution for the best results.
4. Fill solution tank with clean water.
5. Connect both the vacuum hose and solution hose to proper locations. See image on "Assembly" page.
6. Make sure the drain hose is connected and the recovery tank lid is secure before turning on the vacuum and pump switches.

OPERATING THE EXTRACTOR

OPERATING:

1. Start and continue cleaning until the clean water tank is empty and/or recovery tank is full or until cleaning job is done.
2. If foam is detected in the recovery tank and hose, use a defoamer to prevent damage to the vacuum motors.

AFTER OPERATING:

1. Turn off all the switches and disconnect electric power cord from power plug, then empty the recovery tank into a bucket or another proper drain area. (see below image 10.1)
2. Remove remaining water from clean water tank, disconnect the vacuum hose from wand and insert the vacuum hose into clean water tank. Vacuum out all the excess water. (see below image 10.2)
3. Drain and thoroughly clean the recovery tank. At this point the tank can be rinsed while dumping.
4. The vacuum filter (wet filter) and ball float cage have to be rinsed and cleaned thoroughly when it's still wet. (see below image 10.3.) See "Preventative Maintenance" page. Wrap power cords around handle for storage. Do not use solution or recovery tanks for storage, extractor can be damaged.

Consult your sales representative for more information on cleaning methods.

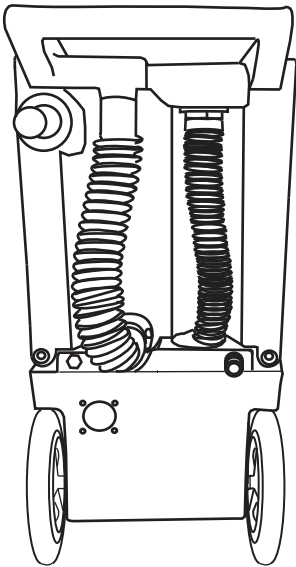


image 10.1

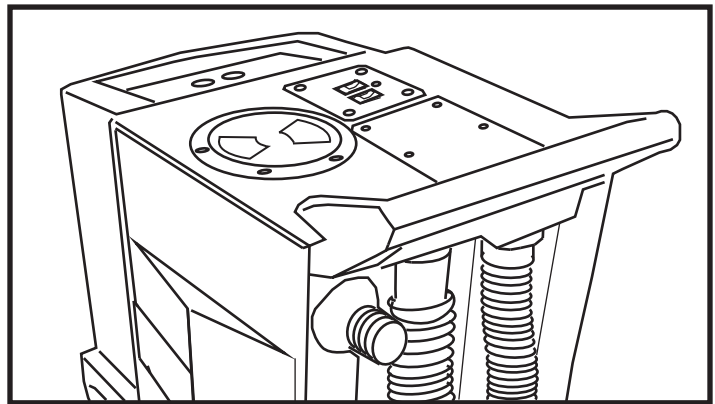


image 10.2

PM10150
vacuum filter
and ball float
cage in
recovery tank

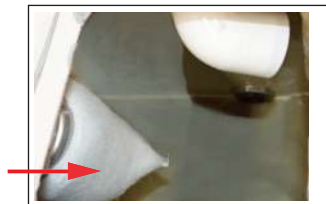


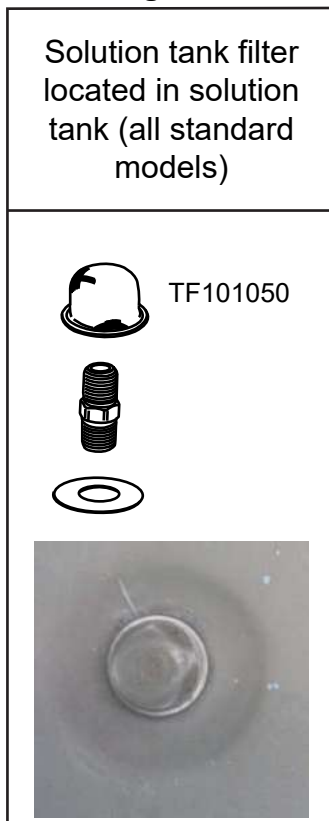
image 10.3

PREVENTATIVE MAINTENANCE

AFTER EACH USE: CLEAN, LUBRICATE, ETC...

1. Thoroughly clean all equipment and accessories after each use.
 - a. Rinse solution tank, recovery tank, and hoses with clean water.
 - b. Flush entire solution system with clean water. This includes all solution hoses and attachment tool. Do not allow liquid with cleaning chemicals to remain in the equipment.
 - c. Clean all filters (see below images: solution tank filter, solution line filter, vacuum filter. Optional: dump pump and dump pump filter)
2. Lubricate all quick connects as needed.
3. Do not use the same container to fill the solution tank that is used to empty the waste tank. This would result in putting dirt and debris into the solution lines that will block filters, orifices, and generally degrade the systems.
4. Keep equipment out of extreme temperatures. (i.e. Freezing temperatures will make water expand, and will damage pump, fittings, valves, etc.)
5. Turn off the extractor whenever not in use. Do not walk away from an extractor, while unattended the extractor can cause excessive pressure that is not good for it.
6. Check for loose or frayed wires.

image 11.1



PREVENTATIVE MAINTENANCE CONT.

A clean vacuum filter (*) must be installed in the recovery tank at all times to protect the motor. (See below image 12.1)

Serious damage to vacuum motors will occur when vacuum filter is not installed. (See below image 12.2)

image 12.1

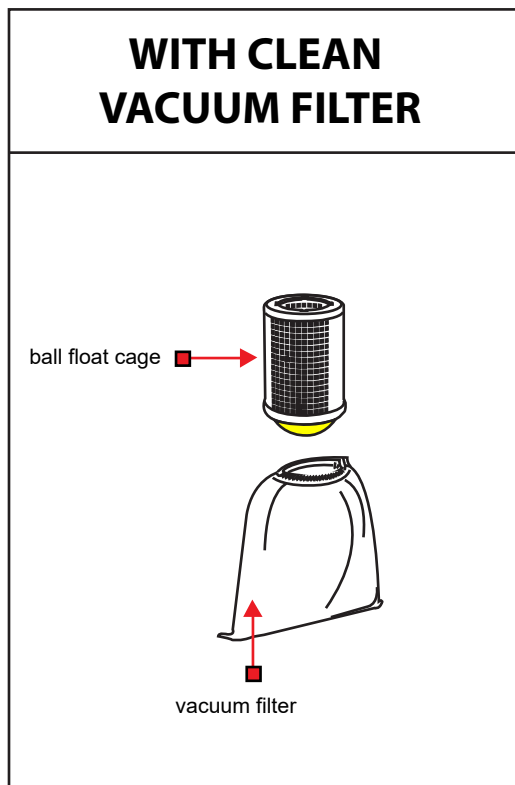
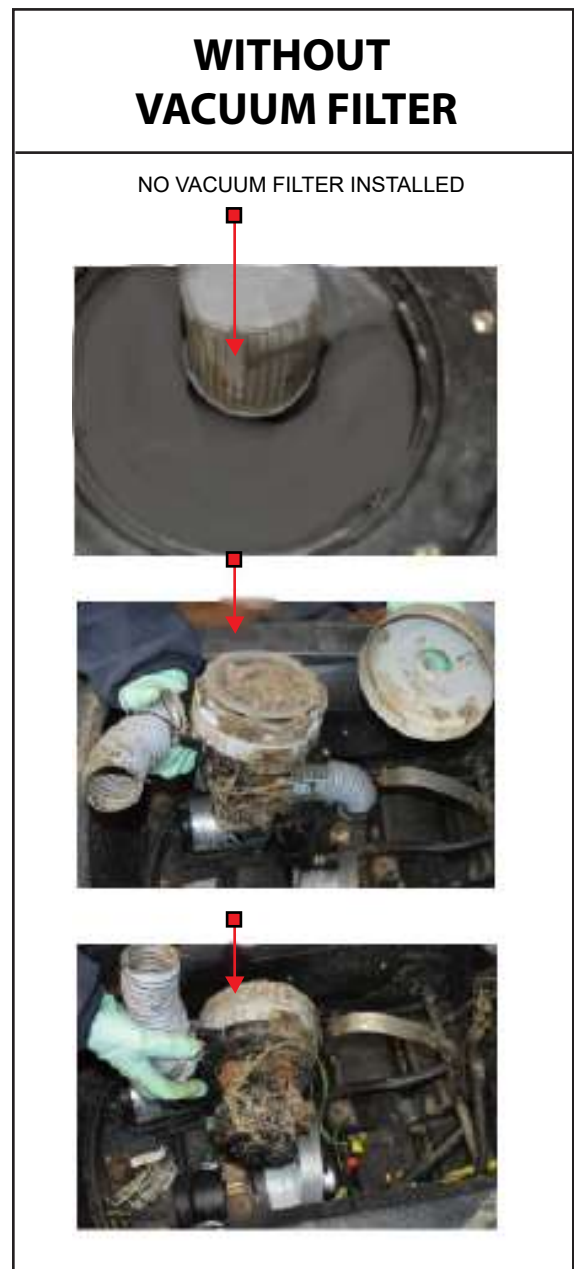


image 12.2



HOW TO

HOW TO USE ATTACHMENT TOOL

BETTER TECHNIQUE WILL HELP WITH DRY TIME, CARPET LIFE, AND OVERALL COST.

1. To clean, Pull the tool over the carpet with solution control valve lever pressed. (image 13.2, 13.1)
Press the lever only while pulling back on the wand. (image 13.3, 13.2) Pull the tool with the valve lever pressed to insure the best results.
2. Release the solution control valve lever (image 13.4, 13.1) and pass the tool over the dampened area once or twice by pulling or pushing the tool back and forth. Repeat the procedure if necessary.

NOTE: The weight of the tool and the vacuum suction are sufficient to obtain idea results. Additional physical pressure is unnecessary.

Continue cleaning until the recovery tank becomes full (or whenever the job is done).

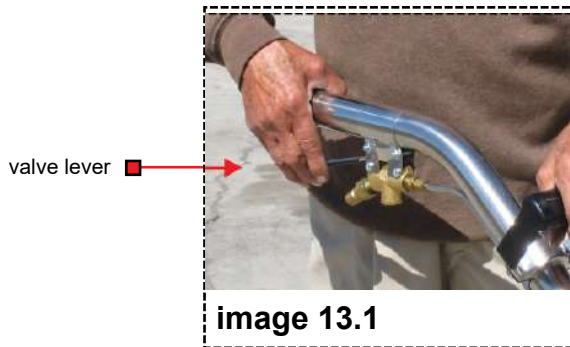


image 13.1

Press the lever to open the valve

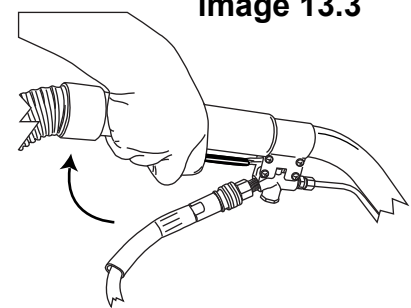


image 13.3

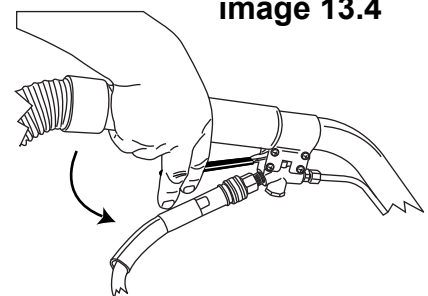


image 13.4

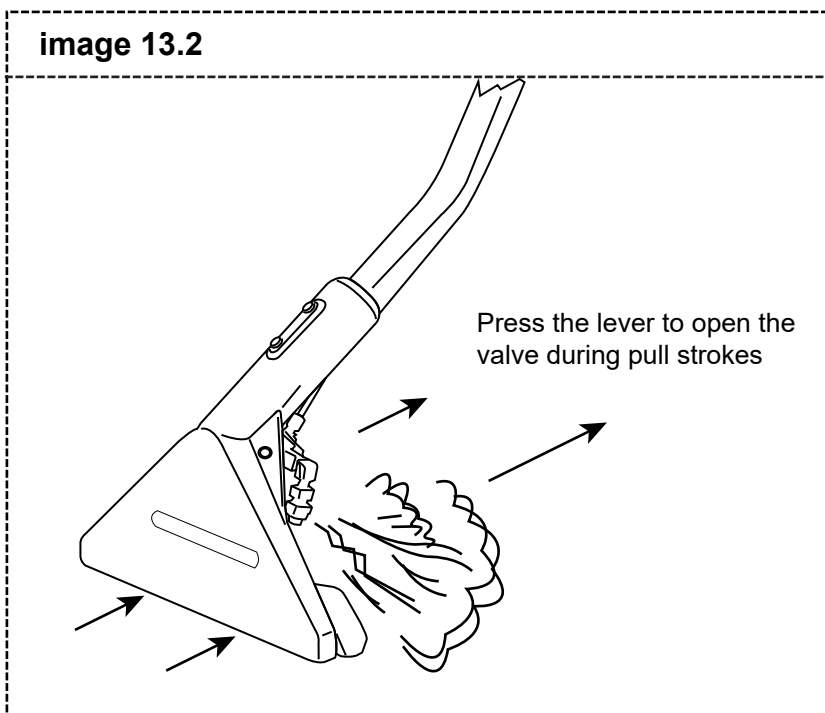


image 13.2

Press the lever to open the valve during pull strokes

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HOW TO

HOW TO BLEED

WITHOUT ELECTRIC INSTANT WATER HEATER:

1. Fill solution tank with clean water.
2. Connect desired tool and extractor with vacuum hose and solution hose.
3. Turn pump switch to "ON".
4. Open trigger valve from your attachment tool (See image 14.1), and spray until all air is out from the solution system. (See image 14.2) It might take 2-4 minutes depending on the jet size from the attachment tool.

WITH ELECTRIC INSTANT WATER HEATER:

WARNING: DO NOT TURN ON THE HEATER until you have following steps.

1. Fill solution tank with clean water.
2. Connect desired tool and extractor with vacuum hose and solution hose.
3. Turn pump switch to "ON".
4. Open trigger valve from your attachment tool (See image 14.1), and spray until all air is out from the solution system. (See image 14.2) It might take 2-4 minutes depending on the jet size from the attachment tool.
5. Turn heater switch on and wait approximately 3-4 minutes to heat up. Now you are ready to use your extractor with IN-LINE heater.

DID YOU KNOW?

The quickest way to bleed air out is taking all the jets out and then following steps 1 through 4 before replacing the jets.

image 14.1 Press the lever to open the valve

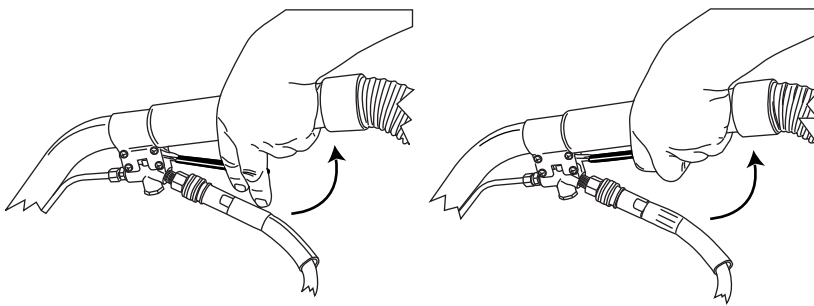
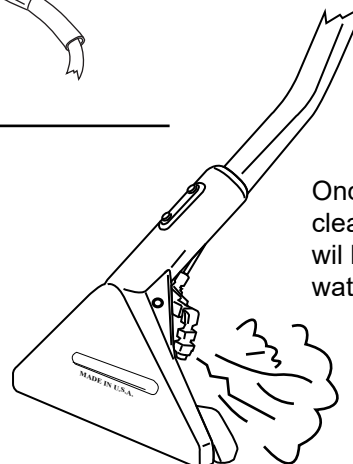


image 14.2



Once the line is clear of air you will begin to see water

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HOW TO

HOW TO CHANGE OPTIONAL CHEMICAL FEED TIPS

1. Open unit, locate chemical feed tube
2. Remove tube on red barb
3. Exchange tip
4. Reattach tube
5. See below chart for flow rates for different tip colors

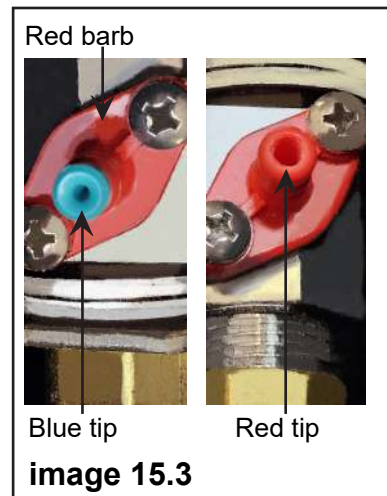
1 GAL / 3.8 LPM

TIP	RATIO
TAN	102
ORANGE	75
TURQUOISE*	60
PINK	43
LIGHT BLUE	33
BROWN	28
RED	22
WHITE	18
GREEN	16
BLUE	13
YELLOW	9
BLACK	6
PURPLE	5
GRAY	4
NONE	3.6



image 15.1

* Unit Set for 60:1 as Default



OPTIONS

Chemical Feed System

Default Chemical : Water Mix Rate - 1:60"



image 16.2

1 Gallon Chemical Bottle Holder

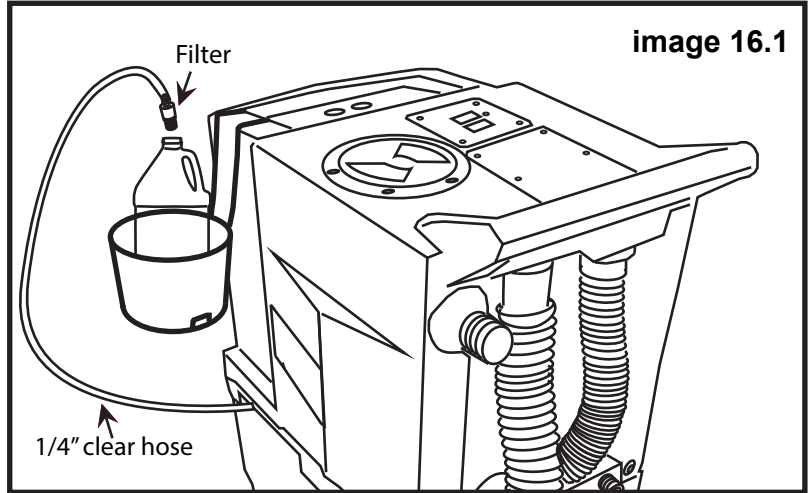


image 16.3

Filter

OPTIONS

Electric Instant Water Heater (in line heater)

1. Fill solution tank with clean water.
2. Connect desired attachment tool.
3. Turn pump switch ON.
4. Bleed the line. (See image 16.2 and “How to Bleed the system” page.)
5. Turn heater switch “ON” and wait approximately 3-4 minutes to heat up. Now it is ready to use

- ◆ The in line heater has a pre-set thermostat for 210 degrees fahrenheit.
- ◆ Keep solution tank clean and do not use any flammable products.
- ◆ Water level should always be over the level switch by a least two inches. (system with level switch)

image 17.1



image 17.2



Two Power Cord Option



image 17.3

Two electric power cord extractors must have two distinct circuits.

“Circuit test” switch next to the green light, push that switch and the green

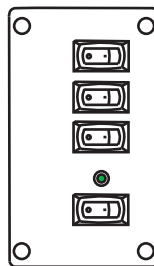


image 17.4

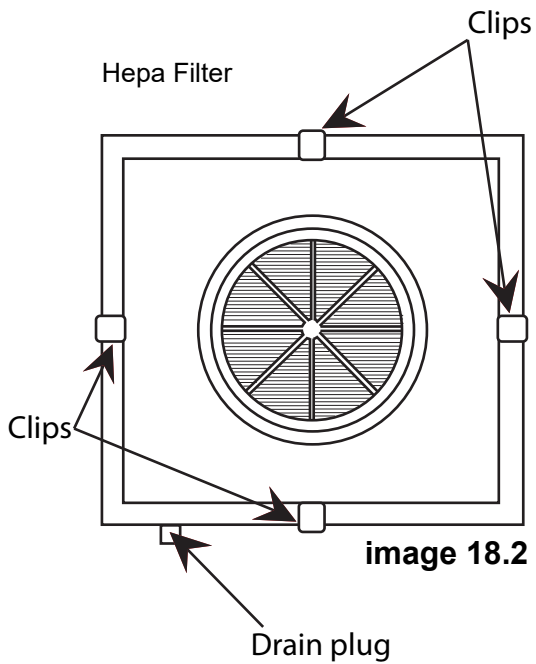
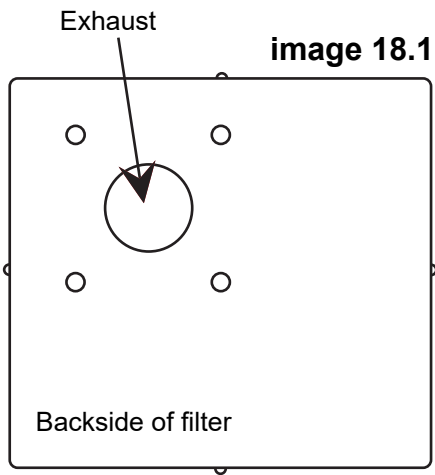
image 17.5



Enlarged view of the circuit test switch

HEPA FILTER ATTACHMENT

1. Annual replacement or when visually dirty
 - a. To change filter unlatch side clips removing the entire filter and replace with new securing it with side clips
2. Dirty filters can cause significant drop in Vacuum Performance
3. Do not allow for excess moisture
4. If water is present drain with drain plug



TROUBLE-SHOOTING

TROUBLE-SHOOTING

ELECTRICAL SYSTEM		
PROBLEM	POSSIBLE CAUSE	HOW TO REPAIR
No electrical power (Component or extractor not turning on)	<ol style="list-style-type: none"> 1. Check the outlet & the plug 2. Damaged cord 3. Circuit breaker off 	<ol style="list-style-type: none"> 1. Plug in properly 2. Contact TMI 3. Flip circuit breaker on or replace fuse. Unplug other equipment using the same circuit. Make sure cords are plugged into proper amp circuits.
Switch is turned on, power is intermittent to all motors	<ol style="list-style-type: none"> 1. Faulty electrical cable 2. Defective switch 3. Loose terminal or corroded connector 	<ol style="list-style-type: none"> 1. to 3.: Contact TMI
Electric shock	<ol style="list-style-type: none"> 1. Equipment or electric cord not grounded 	<ol style="list-style-type: none"> 1. Contact TMI
PUMP SYSTEM		
Pump motor stopped	<ol style="list-style-type: none"> 1. Pressure build up cause by jet clogged. 2. Thermal overload (over heated) 3. Damaged motor or rectifier 4. Pump switch defective 5. Loose wire connection 6. Pump pressure switch defective 7. Faulty motor 	<ol style="list-style-type: none"> 1. Released pressure by opening up (press) the lever on the Wand. 2. Turn off the pump and heater switch and wait 20-30 minutes 3. to 7: Contact TMI
Loss of pump pressure with wand valve open and/or uneven or weak spray from the jet tips	<ol style="list-style-type: none"> 1. Clogged or dirty spray tip 2. Accumulated dirt in solution line 3. Dirty or clogged filters 4. Pump check valve worn or dirty 5. Malfunction in the wand valve 6. Hose quick connect bad or clogged with foreign object 	<ol style="list-style-type: none"> 1. Clean jets and screens 2. Flush system w/water 3. Clean 4. to 6: Contact TMI

TROUBLE-SHOOTING

VACUUM SYSTEM		
PROBLEM	POSSIBLE CAUSE	HOW TO REPAIR
Vacuum motor on with little or no vacuum or suction at wand/ upholstery tool	<ol style="list-style-type: none"> 1. Lid is not properly closed 2. Drain hose/valve not connected/ closed 3. Hose or wand clogged 4. Accumulated dirt on the ball float cage and filter 5. Worn out lid gasket 6. Lint and dirt build-up on wand 7. Damaged vacuum hose 8. Loose or no vacuum hose connection inside the extractor 9. Foreign object accumulated in vacuum fans 	<ol style="list-style-type: none"> 1. Close the lid 2. Connect hose or close optional drain valve 3. Clean hoses and wand 4. Clean or replace the filter 5. Replace the gasket 6. Clean the wand 7. Replace 8. Contact TMI 9. Contact TMI
Vacuum motors run intermittently		Contact TMI

ETC...

PROBLEM	POSSIBLE CAUSE	HOW TO REPAIR
No water from the jet	<ol style="list-style-type: none"> 1. Extractor not plugged in (or circuit breaker off) 2. Switch is not turned on (bad switch?) for new switch 3. Empty solution tank 4. The hose is not connected properly 	<ol style="list-style-type: none"> 1. Plug in working outlet 2. Turn the switch on. Contact TMI 3. Fill the solution tank with water 4. Connect hose properly
Water or foam coming out from exhaust	<ol style="list-style-type: none"> 1. Over foaming of water in recovery tank 2. Elbow fitting in recovery tank pointing wrong direction (i.e. pointed toward the ball-float cage) 3. No ball-float cage 4. Too much water in the recovery tank 	<ol style="list-style-type: none"> 1. Put defoamer in the recovery tank or put it in the end of vacuum hose with vacuum motor running 2. Point elbow away from ball-float cage 3. Install ball-flat 4. Drain the recovery tank

CAUTION:

1. DISCONNECT POWER CORDS FROM THE OUTLET BEFORE DOING ANY MAINTENANCE WORK.
2. WHEN ELECTRIC POWER IS ON PROTECT YOURSELF FROM ELECTRIC SHOCK & HEAT

TROUBLE-SHOOTING

HEAT SYSTEM		
PROBLEM	POSSIBLE CAUSE	HOW TO REPAIR
Water not heating up	<ol style="list-style-type: none"> 1. Air in the heater 2. Bad thermostat 3. Heating element burned out 4. Safety valve open 5. Spraying to much water 	<ol style="list-style-type: none"> 1. Bleed (See "How to bleed" page) 2. Replace 3. Replace 4. Check safety valve and close it 5. Cut down on water usage, check to make sure Jet size is correct
<p>CAUTION:</p> <ol style="list-style-type: none"> 1. DISCONNECT POWER CORDS FROM THE OUTLET BEFORE DOING ANY MAINTENANCE WORK. 2. WHEN ELECTRIC POWER IS ON PROTECT YOURSELF FROM ELECTRIC SHOCK & HEAT 		

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PROPOSITION 65 ADVERTENCIA : Este producto contiene sustancias quimicas conocidas por el estado de California como causantes de cancer, anomalias congenitas y otros daños reproductivos.