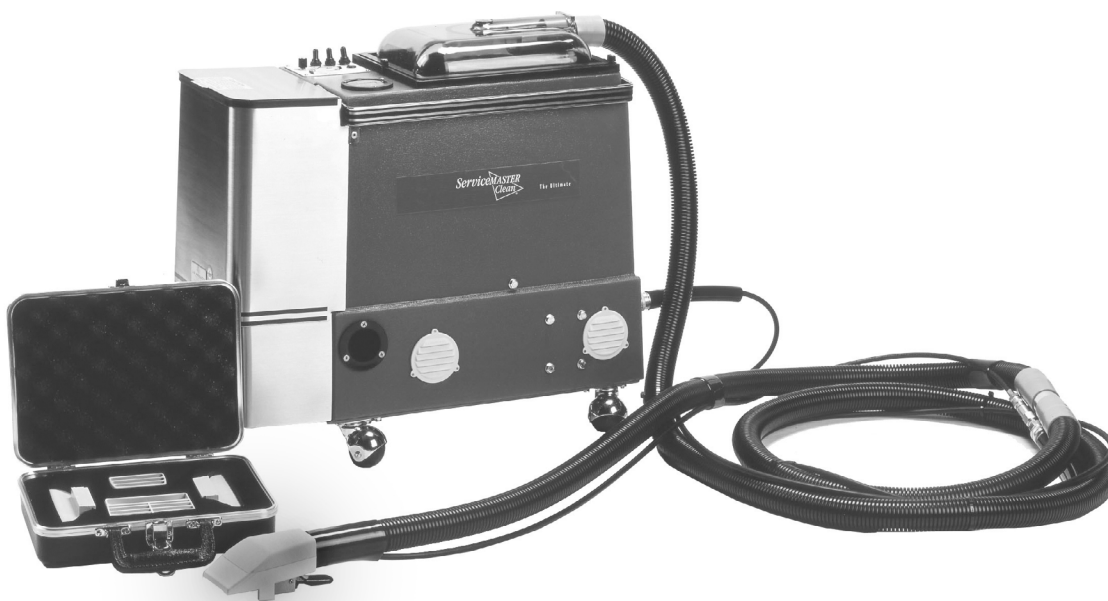




Owner's Manual: 19300

Title: ULTIMATE WET DRY EXTRACTOR

Serial number: _____



The ServiceMaster Company
860 Ridge Lake Blvd.
Memphis, TN 38120
800-756-5656 (Tech Support)
Date: 12/15/2010

Revision: D
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ULTIMATE WET DRY EXTRACTOR

INFORMATION & OPERATING INSTRUCTIONS

**DO NOT OPERATE MACHINE UNTIL YOU HAVE READ ALL SECTIONS
OF THESE INSTRUCTIONS**

IMPROPER USE OF THE MACHINE WILL VOID THE WARRANTY

1. NEVER use the "Booster" heat when solvent is in the machine. (See special features).
2. ALWAYS use a non-flammable solvent with a flash point above 140 °F.
3. Keep your machine from rain and snow, extremes in temperatures, and store it in a heated location.
4. Do not let pump run dry.
5. Always use a drop cloth under the machine during operation.
6. Always use a defoamer when foaming occurs to prevent damage to vacuum motor.
7. Never operate a machine that is leaking or in need of repair.
8. Extension cords must be at least 12 gauge, three wire, and no longer than 50 ft.
9. Always evacuate the solution tank and lines when switching from a solvent to a water-based solution, and vice versa.
10. Use a rag when handling quick disconnects to prevent burns.

INSPECTION:

Carefully unpack and inspect your Wet Dry Extractor for shipping damage. Each machine is tested and inspected before shipping. Any damage incurred during shipping is the responsibility of the carrier. You should notify the carrier immediately if you notice damage to the box or to the machine or parts.

CLEANING SOLUTIONS:

The Wet Dry Extractor is capable of either wet or dry cleaning. Only liquid cleaners are recommended (no powders). Solvents with a flash point above 140 °F are required. Solvents are normally used full strength. Water-based cleaners are normally diluted. Follow label directions.

MAINTENANCE:

Clean the float rod each time the recovery bucket is emptied to make sure it is clean and the float can freely travel up. Inspect and clean the filters after each job. The quick disconnects and castors can be lubricated with a silicone based lubricant. Use a cleaner like Armor-All® on the plastic body. For optimum performance, flush the machine with clear water at the end of working day. Once a month, minimum, run a flushing compound through the machine to cut any mineral or chemical build-up.

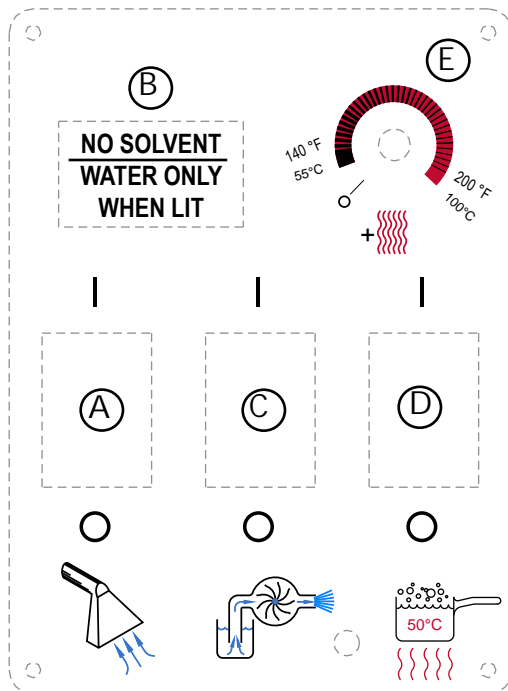
⚠ SAFETY PRECAUTIONS:

- We recommend the use of a respirator and rubber gloves when using dry cleaning solvents. In addition, a fan or blower is beneficial to blow fumes away from the operator. Always work in a well ventilated area.
- Always work with the exhaust hose attached to the machine when cleaning with solvent.
- Solution from the machine may be dangerous as a result of its temperature, pressure, or chemical content.
- Do not leave the machine unattended when it is plugged in.
- Read all instructions before operating the machine.
- Use only manufacturer's approved attachments / tools.

OPERATING INSTRUCTIONS

NOTES:

1. Make sure the recovery bucket under the dome is in place and in the correct orientation. Place the dome on and secure it.
2. Fill the Stainless Steel tank with cleaning solution to the desired level. Solution must be at least 3" above the filter in the bottom of the tank. Attach the exhaust hose in the exhaust outlet hole in the side of the machine when dry cleaning.
3. Connect the Hoses and cleaning tool. Position the tool over the solution tank. Turn the pump on, and spray into the stainless steel tank until solution flows smoothly.
4. **HEATING.** When using **solvent**, turn the heat switch on. Make sure the Booster heat knob is turned all the way off. The warning light "Water only. No Solvent" should not be lit.
NOTE: the heater will shut off completely if the Booster Heat switch is turned on when solvent is in the tank.
When heating a **water-based** solution turn the heater switch on, and rotate the Booster Heat knob to the desired temperature.
NOTE: With just the ON/OFF switch turned on, the water will heat to about 140 °F.
Wait two minutes after turning the heater on to allow the heater to reach its operating temperature. Preheat the solution line and tool before beginning to clean: spray into the solution tank for 15 seconds, wait 30 seconds then spray again for 15 seconds.
5. Turn the vacuum switch on. You are now ready to begin cleaning.
NOTE: all switches should be on.
6. As you clean, the recovered solution will flow into the recovery bucket under the dome. When the bucket is nearly full, the float will have risen high enough to turn the vacuum off. Turn off the vacuum toggle switch, then remove the dome and carefully lift the bucket out. Empty the bucket, and wipe it off. Reinstall the bucket in the machine and reinstall the dome. Check the solution tank; add solution if needed. Do not let the pump run dry. Turn the vacuum switch on and continue cleaning.
7. When switching from solvent to water-based solution, or vice versa, follow this procedure: turn off the pump and heat switches. Remove the cleaning tool from the hoses. Place the open end of the vacuum hose into the stainless steel solution tank to remove all of the remaining solution. Place the vacuum hose directly over the filter in the tank for 10 to 15 seconds. Finally, attach the solution hose to the black suction plug, remove the vacuum hose from the hole in the dome, and insert the black plug into the dome. This will enable the vacuum to pull any remaining solution from the hose. Wait about 30 seconds before removing the plug. Turn the vacuum off, and prepare the machine to begin cleaning.



- (A) = VACUUM
- (B) = WARNING INDICATOR
- (C) = PUMP
- (D) = HEAT
- (E) = BOOSTER HEAT

SOLVENT HEATING: Turn on the Heater Switch (D). The Booster Heat switch (E) must be all the way off (turned counterclockwise until it 'clicks' off) or the machine will not heat at all.

WATER HEATING: Turn on the Heater Switch (D). Turn on the Booster Heat Switch (E) to the desired temperature, 130 - 200 °F.
NOTE: Booster Heat will not work unless the Heat switch is on.

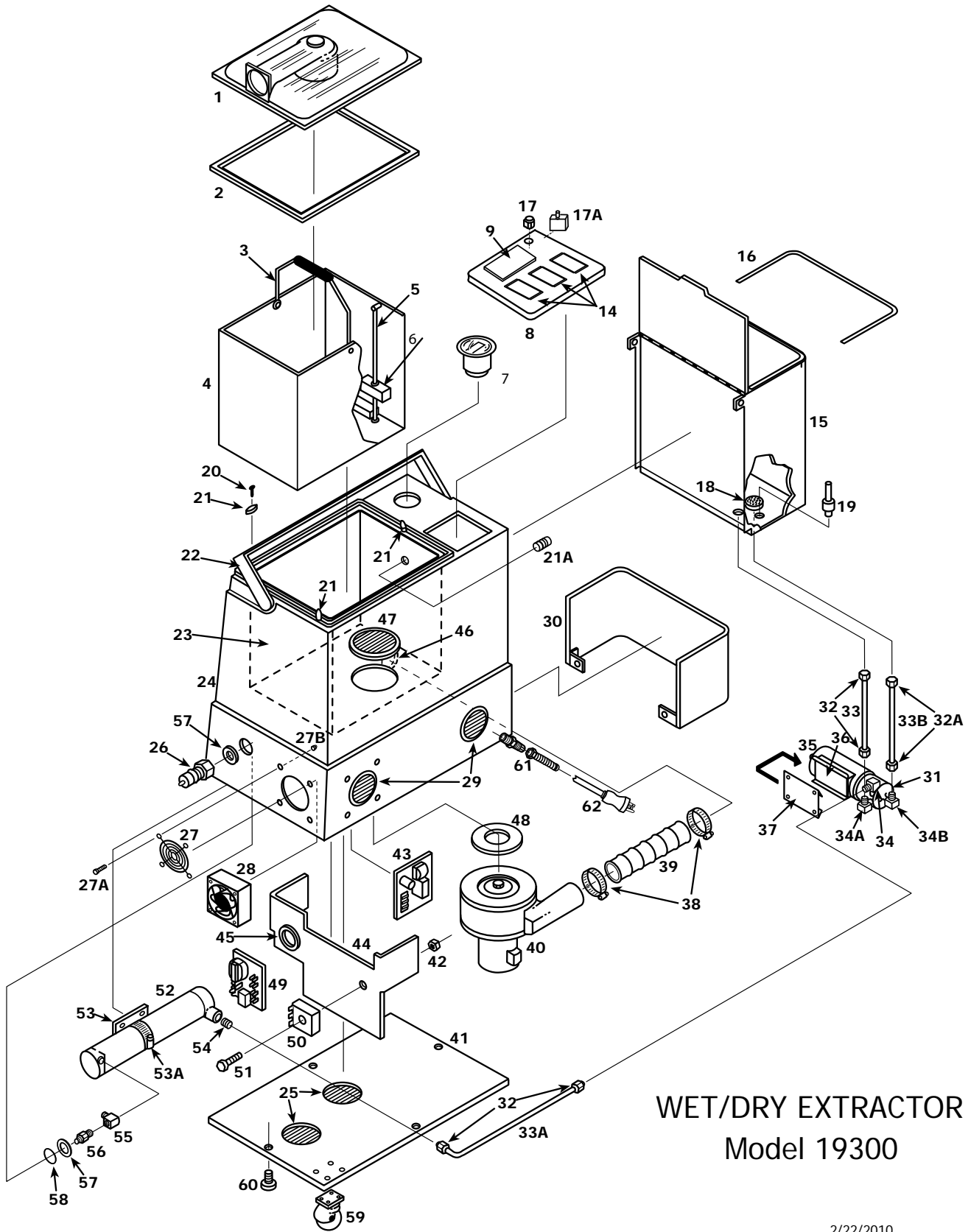
WATER ONLY NO SOLVENT (E): This indicator light (B) illuminates when the Booster Heat switch (E) is turned on. It is a reminder that the Booster Heat will only work with water-based solutions.

⚠ CAUTION: **USE A RAG TO DISCONNECT BRASS FITTINGS AFTER USING THE BOOSTER HEAT. THE FITTINGS CAN GET VERY HOT AND MAY CAUSE MINOR BURNS.**

SPECIAL FEATURES

AUTO VAC SHUT-OFF: When the recovery bucket is full, the vacuum motor will automatically shut off. The float in the bucket may not be raised by foam. Defoamer must always be used to avoid water damage to the vacuum motor.

SOLVENT SENSING SYSTEM: This unique, patented system determines whether there is solvent or water-based solution in the tank. If solvent is used, the sensor will automatically prevent heating above 140 °F. To prevent accidental over-heating of solvent, the use of the Booster heat switch - with solvent in the tank - will cause the entire heat system to shut off.



WET/DRY EXTRACTOR
Model 19300

2/22/2010

19300 ULTIMATE WET DRY EXTRACTOR

120V PARTS LIST

ITEM PART # DESCRIPTION

1	FP368	Vacuum Dome, no Gasket
2	439	Gasket, for dome
3	420	Handle, recovery Bucket
4	FP147	Recovery Bucket, complete
5	421	Float Rod
6	FP184	Float Assembly
7	423-120-240	Hour Meter, with bezel
8	1335	Switch Plate (no switches or lights)
9	118A	Warning Indicator
14	FP578	Switch, rocker, with cover
15	FP246	Tank, S/S solution, complete
16	425	Gasket for Stainless Steel Tank, 15-1/2"
17	122	Knob, potentiometer
17A	FP200B	Potentiometer with Cable
18	80	Filter, pump inlet, S/S, 50 mesh
19	FP143	Probe, solvent sensor
20	19	Screw, twist-lock
21	450	Twist-lock
21A	123	Switch, reed, vacuum float
22	424	Handle, lift, black
23	431	Vacuum Chamber
24	ULT-TEAL	Body, teal
25	928	Louver (includes screws)
26	45	Quick Disconnect, 1/4 m.p.t.
27	410	Guard, fan
27A	1496	Screws (Fan) 6/32" X 2"-1/4"
27B	16	Nut, nylon
28	412	Fan, cooling
29	459	Louver, 2-1/2" (includes screws)
30	426	Pump Cover, S/S
31	FP197A	Pump Head w/fittings
32	107	Compression Nut, 1/4"
32A	106	Compression Nut, 5/16"
33	FP151	Tubing, pump to tank with fittings (1/4" I.D.)
33A	FP149	Tubing, pump to heater with fittings (1/4" I.D.)
33B	FP150	Tubing, pump to tank with fittings (5/16" I.D.)
34	104	Elbow, 1/8" X 5/16", hose, f.p.t.
34A	100	Elbow, 1/8" X 1/4", hose, m.p.t.
34B	104	Elbow, 1/8" X 5/16", hose, f.p.t.
35	FP148	Pump, complete (120V)
36	435B	Slide Bracket, male
37	435	Slide Bracket, female
38	156	Hose Clamp, 2-1/4"
39	FP163	Exhaust Hose, 2" X 13.5", rubber
40	408	Vacuum Motor, 2-Stage
41	FP137	Castor Plate, complete
42	8	Nut, 1/4-20

ITEM PART # DESCRIPTION

43	413	Circuit Board, heat control
44	429	Heat Sink Plate
45	86	Grommet
46	440	Flange, exhaust
47	FP487	Filter, exhaust, 4"
48	419	Gasket, vacuum motor
49	447	Circuit Board, solvent sensor
50	409A	Relay, vacuum
51	138	Bolt, Hex, 1/4" X 1-1/4"
52	FP138	Heat Exchanger, complete
53	455	Heat Exchanger Mount
53A	76A	Hose Clamp, 2 3/4"
54	101	Coupling, 1/8 m.p.t.
55	103	Elbow, 1/8 m.p.t.
56	105	Nipple, reducer 1/4" X 1/8 p.t.
57	115	Washer, fiber
58	116A	Washer, fiber
59	418	Castor
60	29	Screw, 1/4-20 x 1/2"
61	184	Cord Retainer
62	495A	Power Cord, 25', yellow

MISCELLANEOUS PARTS/KITS

FP144	Syphon plug
FP156	Exhaust hose, 10 ft
FP247	Heat repair kit

Ultimate Wet / Dry Extractor

TROUBLESHOOTING COMMON PROBLEMS



CAUTION: always unplug the machine when removing/adding wiring connections.

<i>IF THIS</i>	<i>CHECK THIS</i>
<u>Pump Doesn't Spray:</u>	<p>Make sure all hose connections are tight.</p> <p>Make sure the solution tank has enough fluid in it to cover the filter in the bottom of the tank.</p> <p>Make sure the pump is running; sometimes it is difficult to hear the pump when the vacuum is running.</p> <p>Spray tip on tool are plugged: try another tool, or remove the spray tip and then try spraying through the tool.</p>
<u>Low Suction from Vacuum:</u>	<p>Make sure the dome lid is making a tight seal.</p> <p>Make sure the tool is not plugged up with hair or other debris.</p> <p>Make sure the vacuum hose is not cracked or split.</p>
<u>Vacuum Does Not Run:</u>	<p>Make sure the float in the recovery bucket is down.</p> <p>Check to make sure the on/off switch for the</p>
<u>Low, or no, Heat:</u>	<p>Spray Cycle is too long: Spray only for 10 - 12 seconds on each spray cycle, otherwise all the heated water will be exhausted, and you will have to wait for another two minutes.</p> <p>Spray Tips or Cleaning Tool has been replaced: The different tool has a larger total tip size, so more water flows.</p> <p>You have added extra length to the solution line: Extra length or larger diameter hose will dissipate the heat more quickly.</p> <p>You have solvent in the tank and the booster knob is turned on.</p>
<u>Pump not running:</u>	<p>Pump switch is not activated or not working.</p> <p>Pump motor is damaged or worn.</p> <p>Motor brushes on pump motor are worn.</p> <p>Wiring connections are not making a good contact.</p>



If you are unable to make a diagnosis using this chart, contact the distributor from whom you purchased your machine



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EXTRACTOR**

NOTES:

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