

EBC300 PLUS

HEAVY DUTY LINE CLEANING MACHINE

Revised July 1, 2009

RULES FOR SAFE OPERATION

Safety precautions are essential when any electrical or mechanical equipment is involved. These precautions are necessary when using, storing, and servicing electromechanical equipment. Using this equipment with the respect and caution demanded will considerably lessen the possibilities of personal injury. If safety precautions are overlooked or ignored, personal injury or property damage may occur.

This unit was designed for specific applications. It should not be modified and / or used for any application other than those for which it was designed. If there are any questions regarding its application or technical assistance call 1-866-327-4159.

1. Read this manual carefully – **know your equipment**. Consider the application, limitations and the potential hazards specific to your unit.
2. Only use a three wire extension cord, with grounded prong. Use a portable plug GFCI device, a 3-prong power cord with a GFCI device or a GFCI equipped outlet to protect from ground fault shock.
3. Do not touch plug or outlet with wet hands.
4. Avoid accidental starts. Turn switch “off” before connecting or disconnecting cord at electrical outlets.
5. Water spray must never be directed toward any electrical wiring or directly toward the machine itself or fatal electric shock may occur.
6. Never carry unit by the cord or hoses. Do not pull on cord to disconnect from outlet.
7. To prevent damage, the cord should not be crushed, placed next to sharp objects or near heat.
8. Check power cords before using. Damaged cords can reduce performance or cause a fatal electric shock.
9. Never allow children to operate this equipment.
10. Wear safety glasses and / or goggles while operating.
11. Disconnect power plug from the outlet when not in use and prior to the detaching of the cleaning hose.
12. Prior to starting in cold weather, be sure ice has not formed in any part of the equipment.
13. To allow free air circulation, the unit should not be covered during operation.

PUMP PRIMING INSTRUCTIONS

1. The red handle of the Flow Valve (located on the front of the machine) must be in the closed position, with the handle perpendicular to the hose.
2. The inline filter must be clean and free of foreign material.
3. The strainer at the end of the suction hose must be in place, clean and free of any foreign material.
4. With the discharge hose connected and the suction hose in fresh water turn on pump. Do not connect the discharge hose to the system until the pump has been primed and is pumping properly.
5. Make certain you have hooked up the beer lines in order and you are pumping into an unrestricted system with no blockages.

CAUTION: Make certain the end strainer is in place, clean, and the tube is not clogged or kinked. Failure to do so could allow dirt, grit, sand, etc., to be sucked into the unit. This could block valves and cause the unit to malfunction. If filters are not in place, the warranty is void. Water temperature above 140° F should be avoided.

6. Watch the pressure gage on the front of the machine. Use the red handled flow valve to adjust the amount of solution passing through the lines. This also controls the pressure in the system.

DO NOT ALLOW THE LINE PRESSURE TO EXCEED 50 PSI.

CAUTION

Line pressure above 50 PSI can damage the lines and cause failure of couplers in the system.

PROTECTING YOUR MACHINE AGAINST DAMAGE

1. **DON'T** run your unit without inlet water hose in place. This will damage the pump and **VOIDS THE WARRANTY.**
2. **DON'T** let particulate matter get into the pump. Foreign material can ruin the pump immediately. **THIS VOIDS THE WARRANTY.** To keep particles out, never operate your unit without the filter properly installed on the suction tube, and clean. See maintenance procedure below for further details.
3. Always store your machine in a location where the temperatures will not fall below 32° F. The pump in this machine is susceptible to damage if frozen.

FREEZE DAMAGE IS NOT COVERED BY WARRANTY! (See section on Frozen Pumps)

MAINTENANCE PROCEDURE

1. Flush unit with clean water after every use.
2. The suction hose is equipped with an IN-LINE STRAINER to protect the pump from foreign material. The filter element of this strainer MUST be kept clean.

Caution: Failure to keep the element clean restricts the flow of fluid to the pump. This causes the pump to “chatter”, or become noisy. It also will cause damage to the pump vanes and **VOID THE WARRANTY.**

3. How to Clean Filter Element:

- a) Disconnect power and water from the machine
- b) Disconnect the RED Siphon Hose Assembly from machine
- c) Remove the clear nylon bowl from the filter assembly, by turning it clockwise to unthread.
- d) Carefully remove the mesh screen filter from the bowl. Clean the bowl in clear water. Also clean all deposits from the mesh screen. –Take Care – NOT to bend or damage the screen.
- e) Reposition the screen into the clear bowl and reassemble to filter cap. – You are now ready to resume cleaning!

Note: **DO NOT OPERATE** your EBC300 Plus Line Cleaning Pump without the filter screen clean and properly installed. This will **VOID THE WARRANTY!**

New filter elements may be purchased through customer service.

FROZEN PUMPS

You are cautioned not to allow the pump to freeze. There is only a very small amount of water in the pump – it freezes quickly!!!

In cold weather, it is suggested the pump be transported inside your vehicle – not in the trunk or bed of a truck.

If the pump does freeze, it must be replaced. You may purchase replacement pumps through the Customer Service department.

EBC300Plus
Heavy Duty Line Cleaning Pump

Pump Priming Instructions

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- 2) The inline filter must be clean and free of foreign material.
- 3) The strainer at the end of the suction hose must be in place, clean and free of any foreign material.
- 4) With the discharge hose connected and the suction hose in fresh water turn on pump. Do not connect the discharge hose to the system until the pump has been primed and is pumping properly.
- 5) Make certain you have hooked up the beer lines in order and you are pumping into an unrestricted system with no blockages.

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<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1	30303	Front Plate
2	70302	Cover w/ Handle
3	33000-1	Gauge Assembly
4	35043-2	Suction Hose
5	20235	End Filter
6	91020-1	Coupler
7	50072	Female T
8	50078	Barb Elbow
9	20235-2	1/4" x 3/8" Barb
10	35042-3	Hose
11	30331	Ball Valve Assembly
12	5020-2	Coupler Plug
13	40032	Nipple
14	35042-2	Discharge Hose Assembly
15	35000	S.S. Pump*
16	20310	Motor
17	20113	Motor Bolt
18	20115	Motor Washer
19	70301	Base
20	22540	Recessed Receptacle
21	70105	Bolt
22	20105-1	Star Washer
23	50008	Foot
24	20109	Nut
25	20110	Star Washer
26	20116	Lock Washer
27	20114	Nut
28	40027	Female T

* Fluid-O-Tech Stainless Steel Pump

