

FB SERIES

DYNA-BRUTE™
INDUSTRIAL PARTS CLEANER SYSTEM

**UPER BRUTE™**
INDUSTRIAL PARTS WASHING SYSTEM

OPERATION & MAINTENANCE INSTRUCTIONS

DEAR CUSTOMER

Thank you for your recent purchase of a Zep Dyna-Brute FB or Super Brute FB parts washer. Like thousands of other Zep customers, you've made an excellent choice. For over 60 years, Zep has been manufacturing quality cleaning and maintenance products.

When used according to instructions, your Dyna-Brute FB, Super Brute FB will provide many years of trouble-free service. Zep solvent parts washers were designed with features and components that effectively and efficiently remove oil grease, dirt and grime. Depending on the nature of your cleaning operation, you'll find you can use your Zep solvent repeatedly, by simply changing the filters as required.

For top performance, use only Zep parts washer products. Zep products are formulated specifically for use in our solvent parts washers, giving you superior cleaning performance.

A. General Information

Read and understand all labels, MSDS, and this instruction manual before use.

In some parts of the United States, local or state agencies have adopted an existing EPA requirement for vapor degreasing equipment and applied them to solvent parts washers. Part of the requirement is that the distance from the top of the machine to the surface of the cold cleaning solvent be at least $\frac{3}{4}$ of the smaller of the two dimensions of the opening; commonly referred to as a **.75 FREEBOARD RATIO**. Your Dyna-Brute FB or Super Brute FB has been designed to meet or exceed this standard when filled to the proper level as indicated on the side of the pump module.

The Dyna-Brute FB and Super Brute FB are designed to clean soiled, greasy, and oily parts, using Zep's Dyna-143 or Dyna-170. This equipment is designed for use with Dyna-143 or Dyna-170 only. Do not add any other chemicals including, but not limited to, kerosene, fuel oil, gasoline, chlorinated solvents, or detergents. The use of unapproved solvents could cause a potentially hazardous condition.

Under certain conditions the solvent could burn. For your protection, a fusible link system automatically closes the cover of the parts cleaner in the event that a fire occurs in the sink work area. The closed cover contains the fire inside the metal tank. Do not leave large objects in the parts cleaner while in the raised position or hang anything on the cover that could prevent it from closing completely. Do not replace the fusible link with any other device to hold the cover up.

Install your parts cleaner on a flat level surface, capable of supporting the load, in a well-ventilated area. The operator is responsible for determining and maintaining adequate ventilation.

To minimize the risk of personal injury, it is important that you read, understand, and follow the instructions provided in this manual.

B.IMPORTANT SAFETY INSTRUCTIONS

1. Read all instructions
2. Do not operate equipment with a damaged cord or if the equipment has been dropped or damaged – until it has been examined by a qualified serviceman.
3. Do not let cord hang over edge of table, bench or counter or come in contact with hot manifolds or moving fan blades.
4. If an extension cord is necessary, a cord with a current rating equal to or more than that of the equipment should be used. Cords rated for less current than the equipment may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
5. Always unplug equipment from electrical outlet when not in use. Never use the cord to pull the plug from the outlet. Grasp plug and pull to disconnect.
6. Adequate ventilation should be provided when working on operating internal combustion engines.
7. Use only as described in this manual. Use only manufacture's recommended attachments.

8. ALWAYS WEAR SAFETY GLASSES. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.

SAVE THESE INSTRUCTIONS.

C. Fire Prevention

In case of a fire:
When using Dyna-143 or Dyna-170,
Use a Type ABC or Type BC fire extinguisher.
Do not use water.
Contact your local fire department.

To reduce the risk of fire when cleaning carburetors or other fuel supplying components, remove all gasoline into a proper disposal container before placing the component into the parts cleaner.

Do not spray aerosols into or around this machine. Install the equipment in an area away from heat, sparks, and open flame. Never put hot parts into the solvent.

Do not modify the equipment in any way.

Do not leave solvent-soaked rags in the parts cleaner, wadded up on workbenches, or in uncovered containers.

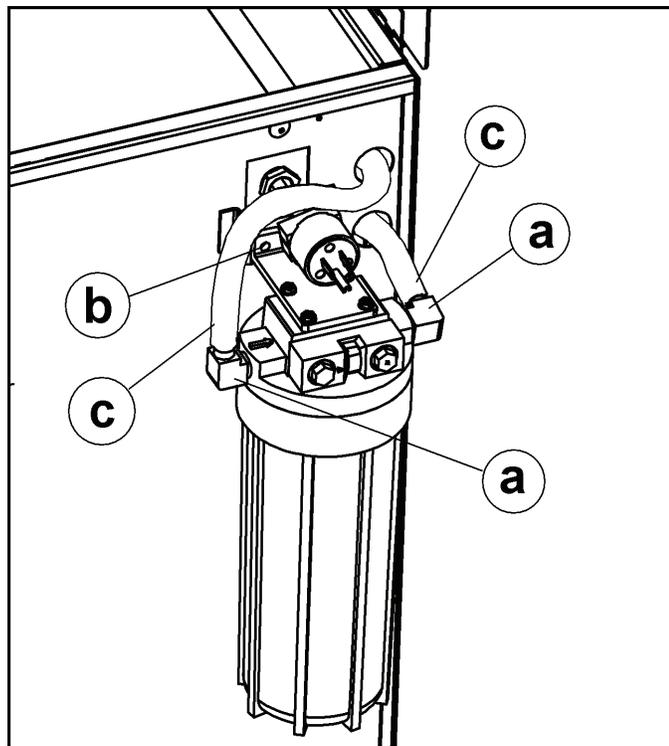
Soak up all solvent spills with absorbent material. Dispose of all solvent-soaked material in accordance with regulatory requirements.

D. Environmental Precautions

- 1. Avoid spilling solvent.** If solvent is spilled, clean it up immediately. Consult the Material Safety Data Sheet for instructions on clean up and disposal.
- 2. Contain leaks promptly.** Notify local environmental authorities if necessary.
- 3. Proper housekeeping in the area of the parts cleaner is the responsibility of the user.**
- 4. Check with your local jurisdiction for any other applicable materials compliance requirements.**
- 5. Do not remove devices designed to reduce evaporation except to process work or to perform maintenance.**
- 6. For further information consult the Material Safety Data Sheet.**

E. INSTALLATION INSTRUCTIONS.

1. Remove the shelves, parts basket and 5100 filter system from the tank.
2. Remove the packing from the shelves, and place the inner shelves and basket inside the machine
3. Install the 5100 filter to the machine.
 - a. Screw the brass hose barb fittings into the inlet and outlet ports of the 5100 filter as shown. Use Zep pipe seal or Teflon tape on fittings.
 - b. Bolt the bracket on the 5100 filter to the bracket on the side of the Dyna-Brute FB using the two (2) screws provided.
 - c. Slide one hose clamp on each hose that is extending from the side of the machine, and slide the hoses onto the barbs on the filter. Tighten the clamps.



4. Fill the machine with Dyna-143 or Dyna-170.
 - a. Dyna-Brute FB: 36 gallons = .75 freeboard.
 - b. Super Brute FB: 45 gallons = .75 freeboard.
5. Plug the power cord into a 115Vac grounded outlet.

F. OPERATING INSTRUCTIONS

FILTER SYSTEM OPERATION

The Zep Dyna-Filtration system effectively removes unwanted greases and oils on a continuous basis for more effective cleaning and longer solvent life. The system consists of a 5100 filter that traps large particles, before it enters the Dyna-Trap filter bag.

Attach the Dyna-Trap by pushing the connector hose onto the hose-barb on the spray arm assembly, and turn the “ON/OFF” switch to the ON position.

MANUAL PARTS CLEANING – OPERATION

1. Open the lid of the Dyna-Brute FB or Super-Brute FB.
2. Place part(s) on the shelf.

DO NOT EXCEED 150 LBS!

DO NOT DROP PARTS ON SHELF!

3. Direct the spigot so the solvent will flow over the parts.
4. Open the “SPIGOT” valve.
5. Manually clean the parts using the ori-flo parts cleaning brush by opening the “BRUSH” valve.
6. Allow parts to drain into the parts washer.
7. Unload parts.
8. To reduce the risk of fire and minimize evaporation, keep the cover closed tightly when not in use.

G. CHANGING THE FILTERS.

This Zep parts washer is equipped with a filter change indicator. During normal operation, the indicator remains green. As the filter traps more soil, the indicator will change from green to red. The filter element needs to be replaced when the indicator turns red.

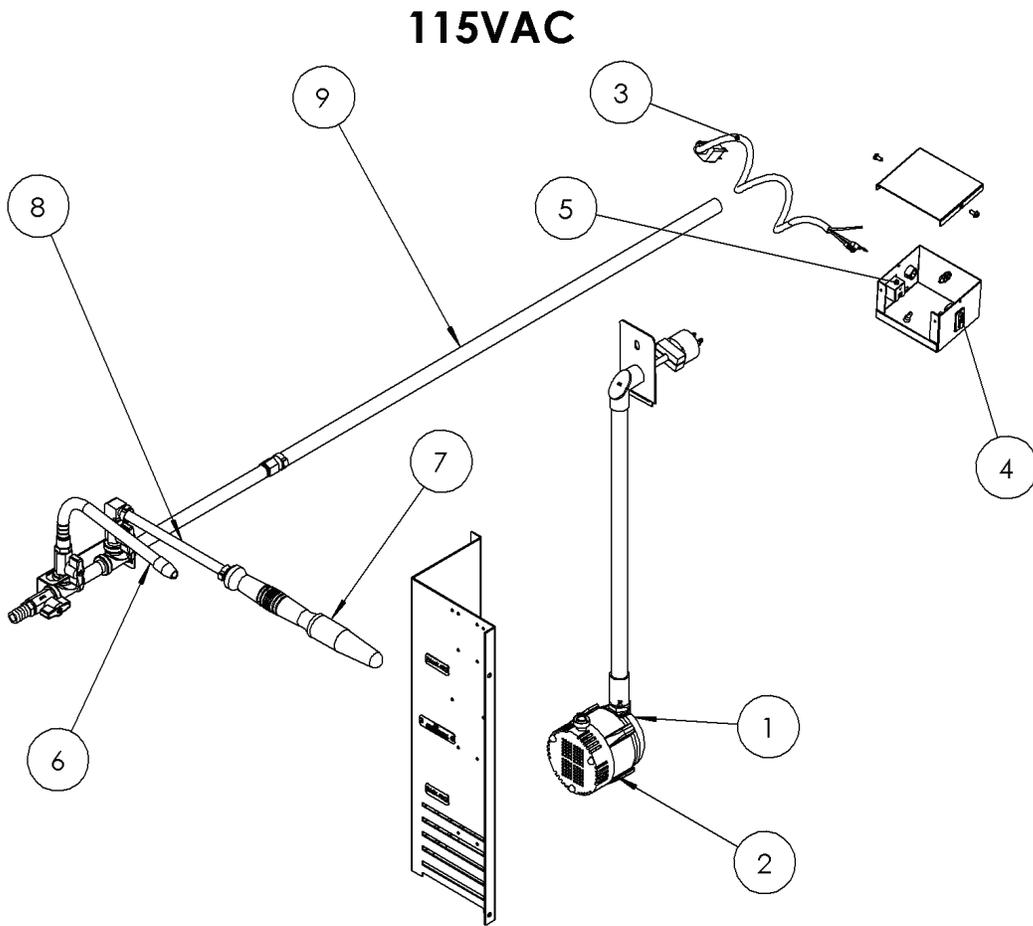
5100 FILTER ELEMENT REPLACEMENT.

1. Turn the solvent pump “OFF”.
2. Unscrew the filter canister and set it on the shelf.
3. Replace the filter element in the canister with a new element.
4. Replace the o-ring in the groove on the top of the filter element with the new one supplied with the new filter element.
5. Screw the filter canister back on the filter housing and by hand or appropriate wrench, tighten.
6. Turn solvent pump “ON” and check for leaks.
7. Dispose of the used filter elements according to appropriate regulations.

DYNA-TRAP BAG REPLACEMENT

1. Turn the solvent pump “OFF”.
2. Lift the shelves out of the Dyna-Brute FB or Super-Brute FB.
3. Disconnect the hose from the Dyna-Trap bag. Inspect and replace if damaged.
4. Place the used trap bag where it can safely drain and dry.
5. Connect the hose to the new Dyna-Trap.
6. Replace the shelf.
7. Dispose of the used Dyna-Trap according to regulations.

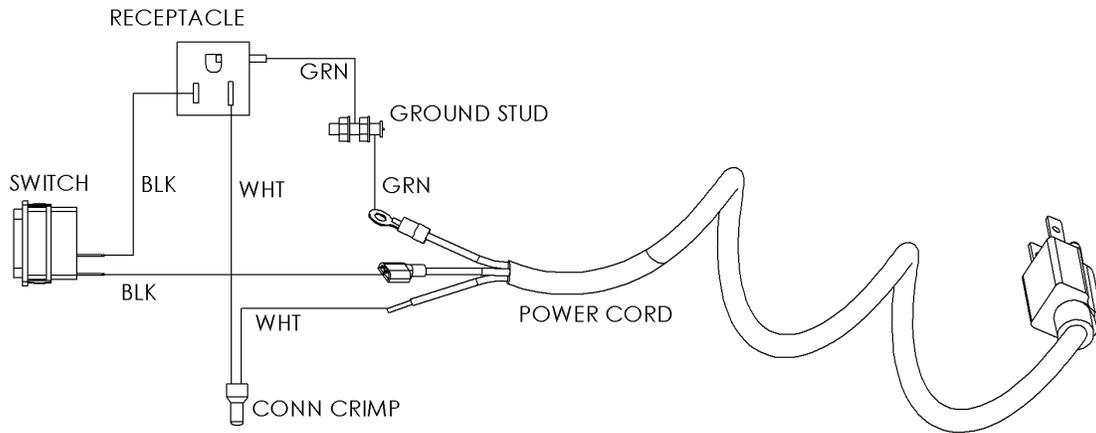
H. PARTS BREAKDOWN



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	60472	PUMP ASSY
2	1	7317	PUMP (ONLY)
3	1	8612	POWER CORD
4	1	01122	SWITCH
5	1	57387	RECEPTACLE
6	1	6119	FLEX HOSE 3/8" X 23" M X N
7	1	8169	BRUSH, FLO-THRU, SOLVENT
8	1	Default	HOSE, 5/16 30R7
9	1	53557-22	TUBING, 1/2 F&O CTL

03894C

I. WIRING DIAGRAM



115VAC WIRING DIAGRAM

03894A

Please record Model No. and Serial No. for use when contacting the manufacturer.

Model No. _____ When purchased _____

Serial No. _____ Zep Representative _____

If you have any questions or need assistance, call 1-404-350-6287