MAINTENANCE

Daily Maintenance

To maintain optimum performance the equipment, tools and filters should be cleaned after each use. Replace any filters that cannot be cleaned or are damaged. Nozzles that cannot be cleared should be discarded. Wipe down the equipment with a damp cloth to keep clean and preserve the appearance.

 Wands and Tools
 Rinse opening of tool with water to eliminate
 any debris.

Wand only - open and clean in-line strainer.

- A. Disconnect the In-line Strainer by using the quick disconnect coupler.
- B. Remove the filter and rinse with water.
- C. Remove any debris from the strainer.
- D. Keep o-ring and threads of the plug lubricated. CFR DEFOAM is a good lubricant or use a non-petroleum based lubricant. This will ensure a tighter seal.

Wipe tool with damp cloth and store with head up to prevent clogging of nozzle.



2. Filters

In-Line Strainer Filter – Disconnect the In-line Strainer Filter on the wand by using the quick disconnect coupler. Remove the filter and rinse with water. Remove any debris from the strainer. Keep o-ring and threads of the plug lubricated. CFR DeFoam is a good lubricant or use a non-petroleum based lubricant. This will ensure a tighter seal.

- Inlet Filter Remove the inlet filter. Dump and clean debris at the end of each cleaning job.
- Main Filter Remove the main filter sleeve and rinse out and clean thoroughly.
- Pump Protection Filter This ball-shaped filter should be in place when the tank is cleaned and rinsed. Remove and rinse only after the tank is rinsed.

Periodic Maintenance

- Check power cord for any breaks, separations, or cuts. Make sure the ground pin on the connector is intact or the machine will be unsafe. Make sure the ground pin on all three prongs on the twist lock connector are intact.
- 2. Check for plugged nozzles when using tools. If streaking occurs during cleaning, a plugged nozzle may be the cause. A plugged or partially plugged nozzle can be identified by holding the tool 5-7" above the surface and checking for an even spray pattern. To clean a plugged nozzle, remove the nozzle and direct pressurized air backwards through the nozzle or backwash the nozzle with water. A convenient method is to insert the nozzle into a garden hose ball valve, tighten the ball valve to a faucet, and turn on the water. (CFR has ball valves available, part #7AX020). Inspect nozzle and repeat cleaning procedure, if necessary. Discard nozzles that cannot be cleared. Tool nozzles wear and must be replaced after 200-250 hours of use.
- Occasionally open the base and inspect hose and other connections for leaks. Repair or replace any leaking parts. Always disconnect power cord, before removing side panels.

Periodic Maintenance

- 4. It is very important to monitor machine operating hours for proper maintenance of the motors and pumps. After 700 hours of operation, the vacuum motor brushes should be inspected by an authorized repair station and replaced if worn (length is .5 inches or less).
- Check vacuum motor performance using a vacuum gauge. Place this gauge on the tank inlet fitting with the vacuum turned on. Water lift should be between 135 and 150 inches. If the reading is lower, check for air leaks in the tank, cover gasket, and drain hose.
- 6. Check pump performance occasionally against built-in pressure gauge. Pump running pressure on the Pro 500 should be 500 + 10 p.s.i, Pro 750 should be 750+ 15 p.s.i. If the pumping pressure is outside of this range, call your dealer or authorized station. After 400 hours, the pump valves should be replaced. After 700 hours of operation the pump cam bearing and plunger should be replaced. The pressure regulator should be rebuilt after 400 hours of operation.