**PORTABLE CARPET CLEANING MACHINES**

**Machine won’t turn on – No power**

**Owner/Operator**

* Building circuit breaker tripped – Reset breakers and/or move cords to other outlets
* Faulty or damaged power cord – Replace cord

**Qualified Technician**

* Faulty switches or internal wiring Check wiring & test switches - Repair as needed

**Solution Pump not running**

**Owner/Operator**

* Building circuit breaker tripped – Reset breakers and/or move cords to other outlets
* Pump circuit breaker tripped – Reset breaker and check available circuit power
* Pump motor breaker tripped – Push in reset button on pump motor and/or external breaker
* Faulty or damaged power cord – Replace cord

**Qualified Technician**

* Faulty switches or internal wiring – Inspect wiring and test switches and repair as needed
* Pump motor faulty or damaged – Replace pump motor
* Pump head seized or damaged – Repair or replace pump head & bearings

**Low Solution pressure and/or pulsation**

**Owner/Operator**

* Solution tank empty – Add water to tank
* Pump not primed Perform pump priming procedure
* Jets too large for pressure desired – check jets size and flow rates, use smaller jets or lower pressure
* Jets worn allowing too much flow – Replace jets
* Solution inlet filter plugged – Clean or replace filter
* Filter screen or jets plugged on tool – Clean out filter or jets
* Quick connects or hoses restricted – Clean out or replace quick connects and/or hoses

**Qualified Technician**

* Auto Fill Assembly is faulty or damaged – Repair or replace auto fill assembly if equipped
* Hose from solution tank restricted – Repair or replace hose
* Pump intake hose or fittings damaged or leaking – Repair or replace hose and/or fittings
* Pressure regulator sticking – Disassemble and inspect regulator, lube O-rings and regulator shaft
* Pressure regulator faulty or damaged – Repair or replace pressure regulator / unloader
* Priming Valve Stuck Open – Repair or replace the Priming Valve if equipped
* Pump faulty or damaged – Repair or replace pump
* Pressure Gauge faulty or damaged – Replace gauge
* Wand/Tool valve faulty or damaged – Repair or replace valve

**Can't connect solution hose to machine**

**Owner/Operator**

* Pressure in lines – connect tool to solution hose, trigger tool while connecting solution hose to machine
* Quick connects faulty – Replace quick connects
* Wrong style or size quick connects – Replace quick connects to match connects on machine

**Vacuum motor not running**

**Owner/Operator**

* Building circuit breaker tripped – Reset breakers and/or move cords to other outlets
* Faulty or damaged power cord – Replace cord

**Qualified Technician**

* Faulty switches or internal wiring Check wiring & test switches - Repair as needed
* Vacuum motor faulty or damaged – Replace vacuum motor

**Loss of vacuum**

**Owner/Operator**

* Drain valve open – Close valve
* Recovery tank full – Drain tank
* Recovery tank lid gasket damaged – Replace gasket
* Vacuum hose or tool clogged – Clean out vacuum hoses and tool
* Vacuum hose or hose cuffs leaking – Tighten or replace vacuum hose and/or cuffs
* Float shutoff filter clogged – Clean float shutoff filter

**Qualified Technician**

* Vacuum motor faulty or damaged – Replace vacuum motor
* Vacuum motor gasket damaged – Replace gasket
* Drain valve leaking – Repair or replace drain valve
* Vacuum motor hoses loose / leaking – Reconnect or replace vacuum motor hoses
* Float stuck in float shutoff – Repair or replace float shutoff
* Pump-out Pump faulty or damaged – Repair or replace pump out pump if equipped
* Recovery tank damaged – Replace recovery tank

**Chemical not feeding**

**Owner/Operator**

* Wrong size metering tip – Change metering tip
* Filter screen plugged – Clean or replace filter
* Chemical hose restricted – un-kink, clean out or replace hose
* Low Incoming Water Pressure – Inspect supply hose for kinks, obstructions or leaks, find another water source
* Move bottle & shorten chemical hose to improve draw

**Qualified Technician**

* Solution tank not filling – inspect and repair or replace auto fill assembly
* Chemical proportioner faulty or damaged – Replace chemical proportioner
* Check valve in filter faulty – Replace filter

**Tool won't spray – low or uneven spray**

**Owner/Operator**

* Jets clogged – Clean out or replace jets
* Jets worn – Replace jets
* Jets not aligned – properly re-align jets
* Inline filter clogged – Clean out or replace filter
* Quick connects or solution hoses restricted or damaged – Clean out or replace quick connects and/or solution hoses

**Experienced Service Technician**

* Tool valve faulty or damaged – Repair or replace valve

**Solution Tank not filling**

**Owner/Operator**

* Water source not connected or turned off – Connect water source, Turn faucet on or find other water source
* Float not on valve arm – Reconnect float to valve arm and adjust to proper height/level
* Water supply hose restricted – un-kink, clean out or replace supply hose
* Water Pressure too high – Adjust faucet or use pressure regulator
* Quick connects faulty or damaged – Clean out or replace quick connects

**Qualified Technician**

* Float valve faulty Repair or replace float valve

**Solution tank overflowing**

**Owner/Operator**

* Float too heavy or is Filled with water – Replace float
* Float & chain tangled – Make sure float and float chain are free and hanging properly
* Float too high – Adjust chain to set float at proper level
* Water Pressure too high – Adjust faucet or use pressure regulator

**Qualified Technician**

* Float valve faulty or damaged – Repair or replace float valve

**Auto pump-out not working**

**Owner/Operator**

* Building circuit breaker tripped – Reset breakers and/or move cords to other outlets
* Faulty or damaged power cord – Replace cord
* Pump-out filter is clogged – Clean pump-out filter and keep recovery tank clean
* Discharge hose restricted or damaged – Remove restriction or kink, clean out or replace hose

**Qualified Technician**

* Faulty or damaged switches or internal wiring – Inspect wiring and test switches and repair as needed
* Pump-out pump clogged – Remove, dissemble and clean pump
* Pump-out pump faulty or damaged – Replace pump