**PROCHEM VACUUM SYSTEM**

**WEAK VACUUM AT WAND:**

**Vacuum Gauge reads in the normal range at 11" to 14" hg with hoses & wand attached.**

**Owner/Operator**

**Recovery Tank Filters or baskets are dirty**

* Clean recovery tank filters and basket as needed.

**Clogged or collapsed hoses or clogged wand tube**

* Clean or replace hoses as needed, clean wand.

**Excessive length of hoses connected to machine**

* Operate machine using the proper amount of hoses based upon the manufacture’s specifications.

**Qualified Technician**

* Vacuum Blower is damage and needs repair.
* Clogged Vacuum Tube in the Truck Mount.

**VACUUM GAUGE WON’T COME UP TO NORMAL – MANUFACTURER SPEC (11” to 14” HG):**

**Owner/Operator**

**Recovery tank is full**

* Completely empty the recovery tank.

**Vacuum System has an Air Leak**

* Make sure recovery tank drain valve is fully closed.

**Vacuum hoses from the truck to the wand are leaking**

* Repair or replace hoses as needed.

**Recovery tank lid gasket is leaking**

* repair or replace lid gasket as needed.

**Vacuum relief valve is not properly adjusted**

* Adjust vacuum relief valve slightly, as needed.

**Qualified Technician**

* Vacuum relief valve needs repair or replacement.
* Vacuum blower is turning too slowly.
* Vacuum blower belt is loose or broken.
* Vacuum hose from the blower to the recovery tank is leaking, replace as needed.
* Vacuum gauge needs replacement.
* Vacuum Blower has damage and needs repair.

**VACUUM GAUGE READS TOO HIGH WITH NO HOSES ATTACHED:**

**Owner/Operator**

**Filter in recovery tank is clogged**

* Remove recovery tank filter and clean or replace as needed.

**Vacuum relief valve is set too high**

* Lower Vacuum relief valve until the proper vacuum pressure is achieved.

**Qualified Technician**

* Hose from vacuum blower to recovery tank is collapsed internally.
* Maximum engine RPM is too high.
* Vacuum relief valve problem.

**EXCESSIVE VACUUM BLOWER NOISE:**

**Owner/Operator**

**Vacuum blower is low on oil**

* Inspect oil level and fill as needed.

**Qualified Technician**

* Vacuum blower to Engine coupler needs repair or replacement.
* Vacuum blower exhaust silencer needs repair or replacement.
* Maximum engine RPM is too high.
* Vacuum blower damaged and needs repair.

**VACUUM BLOWER IS SEIZED AND WONT TURN:**

**Owner/Operator**

**Vacuum blower is seized due to rust**

* With the key in the OFF position, attempt to turn the engine/blower by hand.
* If the machine has been unused or the blower was not properly lubricated at shut down, causing rust to build up on internal surfaces. Spray penetrating oil into blower inlet and let sit for at least one hour. Then try restarting.

**Qualified Technician**

* Vacuum blower to Engine coupler needs repair or replacement.
* Vacuum blower is seized due to clog and needs repair.
* Vacuum blower is damaged and needs repair.