

Lobe Vacuum Pump Wash System



Your **#1205300 Lobe Vacuum Pump Wash System** should include the following parts:

One # 1205356 Lobe Wash Pump (Pictured on front)

One # 051466 Straight Injector Fitting



10 feet of # 62240 1/4" OD Chemical Tubing (Not Pictured)

Not included but recommended: **#5600-1 (1 gallon) or #5600-5 (5 gallon) Coburn Lobe Pump Wash Chemical**

Installation

1. Choose a convenient location in the vacuum line on the intake side of the vacuum pump to locate the injector fitting. Mark the location. This fitting should be mounted as close as possible to the inlet port on the vacuum pump.
2. Drill a 5/16" hole in the vacuum line, then use a 1/8-27 NPT pipe tap to cut threads into the pipe. Be sure to protect the pump and piping from debris.
3. Thread the injector fitting into the intake pipe until snug. The eccentric center tube of the injector should be on the pump side of the threaded holes center.
4. Choose a convenient wall location close to the vacuum pump to mount the lobe wash pump. Secure to wall with anchors appropriate for the wall material. Total distance between the wash chemical container and the inlet on the vacuum line including the pump should be ten feet or less. Make sure it is out of the way but still provides easy access.
5. On the intake side of the vacuum pump, attach one end of the 1/4" OD chemical tubing to the injector fitting using the nut supplied on the injector fitting.
6. Measure the distance from the injector fitting to the discharge side of the lobe wash pump. Route the hose as short as possible without any kinks. Cut hose and secure to the right side of the pump using the nut supplied on the pump. Secure hose with customer supplied nylon ties if required.
7. Place lobe pump wash chemical container in a convenient location as close as possible to the lobe wash pump.
8. Attach one end of the tubing to the left side of the pump using the supplied nut.
9. Place the other end of the tubing into the container of lobe wash chemical and secure as necessary.
10. Connect lobe wash pump wires to 115 VAC power source. Transformer green and black wires are for 90-115V input. If power is 230 VAC, open unit and connect power to 230 VAC input red and green wires.

Note on Electrical Connection: All electrical wiring should be completed according to state and local wiring codes. The pump should run with the automatic pipeline washer and be powered from its diverter, cycling once during the pipeline wash process. If your pipeline wash system doesn't have a diverter valve, contact The Coburn Company to discuss other options.

Programming


A properly set system will automatically inject enough cleaning chemical into your vacuum pump during the wash cycle to prevent build up of dirt, milk fat or other foreign material on the pump lobes.

1. Press rocker switch on  to prime chemical lines
2. Flip open lid on front (See image at right) and turn dials gently with a small straight blade screwdriver to program:



SPEED = How fast the pump rotates. Faster rotation supplies more solution.   Adjustable between 1-100%

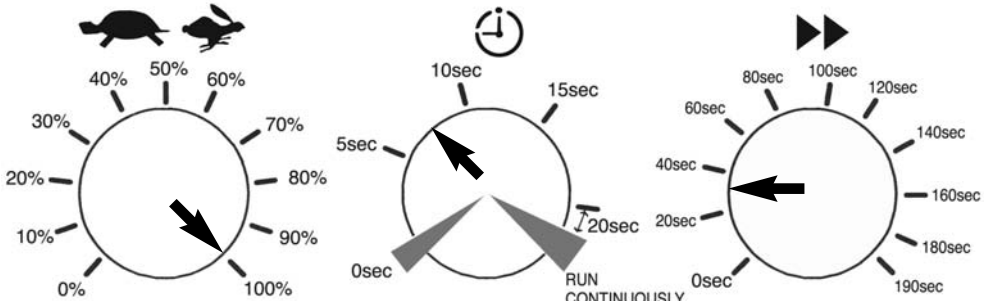
RECHARGE = Pump running time (in seconds) to “recharge the line” with chemical after it first receives power from the Automatic Pipeline Washer. There will be an approximately 13 second delay after the pump shuts off before the prime cycle starts.

 Adjustable between 0-20 seconds, or continuous run for rinse applications

PRIME = Pump running time (in seconds) after the recharge cycle stops.

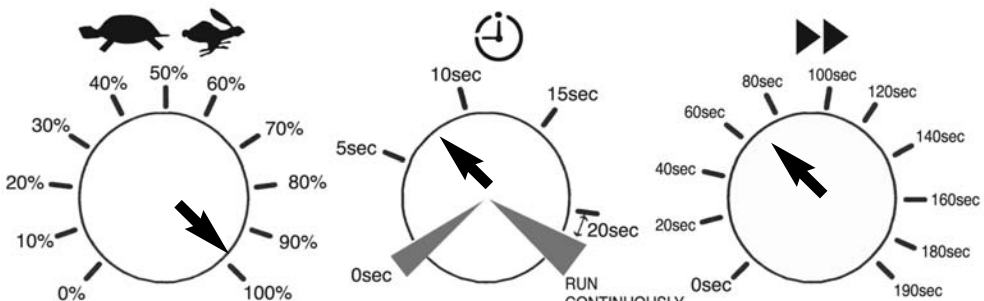
 Adjustable between 0-190 seconds

Sample Settings



SPEED **RECHARGE** **PRIME**


The above settings deliver about 3 oz. of pump wash chemical for 10 & 15 HP vacuum pumps (Adjust as needed)




SPEED **RECHARGE** **PRIME**

The above settings deliver about 6 oz. of pump wash chemical for 20 & 25 HP vacuum pumps (Adjust as needed)

Operation

To run Lobe Pump Cleaner, turn rocker switch on . Green diode will be lit and steady, and pump will run when energized by pipeline washing system. If green diode is not lit, power is not being supplied to the unit.

Maintenance

To change tubing (usually no more than once per year), turn rocker switch off . Green diode will be lit and blinking when the rocker switch is in this mode if activated during pipeline wash mode. Never open unit without ensuring power source will stay off—high voltage can be present, even with rocker switch set to off.

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