



VAC HEAD

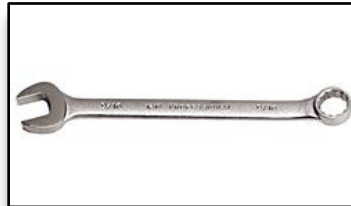
INSTRUCTION MANUAL



Disclaimer: PaveDrain, LLC. can not be held responsible for any damage done to equipment, vehicles, structures (commercial or residential) or property if the user(s) of the Vac Head operate the piece of equipment outside of its intended use: for the cleaning of the PaveDrain system. The instructions within this manual will provide the safest form of operation. Please be aware that the PaveDrain Vac Head can possibly damage any and all other permeable pavements, hardscape units or hardscape structures. The Vac Head is designed and intended use is on the PaveDrain system.

Required Tools: (NOT provided with the PaveDrain Vac Head)

1. ½" Socket Wrench and ½" Standard Wrench:



2. 6" diameter flexible corrugated hose (20' length or longer):

****Non-Perforated.**



3. Water Line Brass Reducer(s):



4. Male & Female Brass Quick Connector(s):



Required Tools (continued):

5. Vactor 2100 Series Combination Sewer Cleaner Truck or any other Combination Sewer Cleaner Truck:



6. 8" to 6" diameter reducer parts (Attaches to Boom and hose):

**Adapter Flange
Camlock**



**CL-6CAL
Cam & Groove Part
C 6"**

The parts above can be purchased at the following links below:

<http://www.epasales.com/products/Fittings-CG-AL/Fittings-CG-AL-PC>

<http://www.epasales.com/products/Fittings-FF/1253986865>

Before Operating the PaveDrain Vac Head:

1. **Conduct a thorough cleaning of all screens and dump any accumulated debris within the bottom of the water tank** on the Vactor 2100 Series Combination Sewer Truck or any other Combination Sewer Truck. Debris within your truck's water tank can clog the water jet wands located underneath the PaveDrain Vac Head.
2. **Check all hose connections.** Water line (located at the front or the side of the truck) will be connected directly to the Vac Head. Make sure that the appropriate sized connections to attach to the Head are available.

Before Operating the Vac Head (continued):

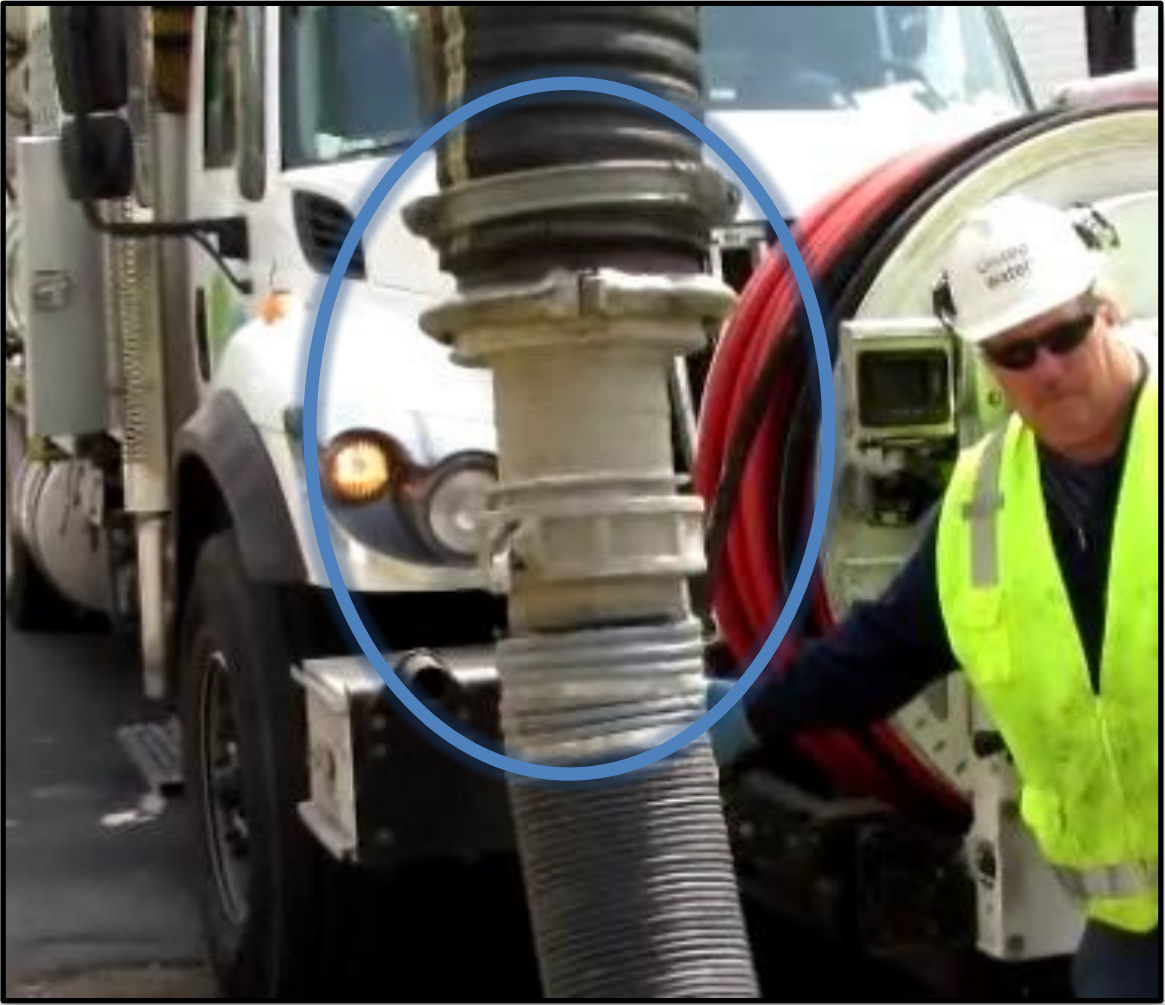
- 3. Check all boom connections.** Suction hose of boom will be attached directly to the 6" diameter corrugated flexible hose that is attached to the Vac Head. Appropriate sized reducer coupling to attach the 8" diameter boom hose to the 6" diameter corrugated flexible hose is necessary.
- 4. Check all gauges, switches and operating panels located at the front of the Vactor 2100 Series Combination Sewer Truck or any other Combination Sewer Truck.** These gauges, switches and operating panels will allow you to safely operated the Vac Head and avoid damage to the unit.

Connecting the Vac Head:



- 1. Attach water line to the valve in the middle of the Vac Head.**
- 2. Attach 6" dia. flexible hose to the suction port.**

Connecting the 6" Flexible Hose to the Truck:



1. **Attach the flexible hose to the end of truck's boom. An 8" to 6" reducer coupler is required. (**See #6 in Required Tools**)**

Before Turning on the Water and Suction:

1. **Always turn the water on first before you power on the suction. Sucking dry debris into your truck can cause premature damage.**
2. **Never run more than 2,000 psi of water pressure through the Vac Head during operation.**

Before Turning on the Water and Suction (continued):

- 3. Increase the intensity of the suction one stage at a time. Never turn directly to “Full” to start.**
- 4. Two person crew should always operate the Vac Head and Combination Truck; One person operates the Vac Head and one person operates the control panels on the front of the truck.**
- 5. If Vac Head sucks itself to the adjacent asphalt or concrete, immediately turn off the suction on the truck. The Vac Head could be damaged if it stays suctioned to the ground too long.**

Operational Photos



The swivel handle allows you to push or pull the Vac Head.



The flexible hose and boom gives a large range of motion to operate the Vac Head.



One person on the operating controls is always recommended.



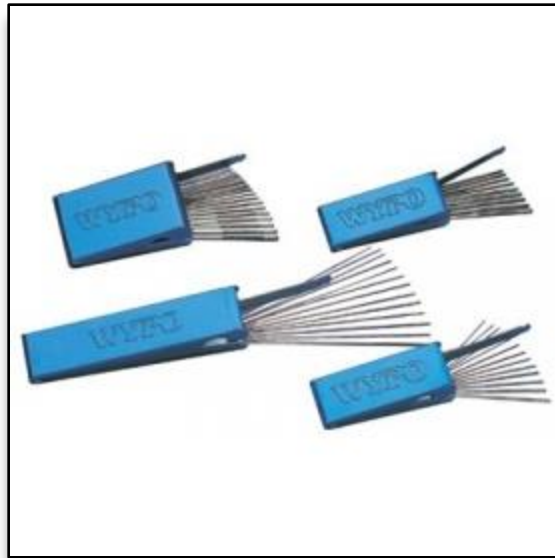
Check the air pressure on the tires regularly. 30 psi is the maximum psi per tire.



Vac Head ground clearance should be no lower than $\frac{1}{4}$ " and no higher than $\frac{1}{2}$ ".

General Maintenance and Care of the Vac Head:

- 1. Always clean the unit after each use.** Removing wet loose debris from the unit will minimize rust developing on the Vac Head.
- 2. Clean out the spray wands & Eight (8) nozzles located under the Vac Head.** Water pressure from Vac truck will need to be turned off. The caps located at the end of each spray wand will need to be removed. There will be some water pressure moving through the wands. However, the Tip Cleaner tool to can be used to push any lodged debris out of the 8 spray nozzles. Remaining debris will be flushed out of the uncapped ends of the wand.



The part above can be purchased at the following link below:

<http://www.globalindustrial.com/p/tools/welding/connectors-lugs-holders/wy-king-tip-cleaner-4>

- 3. Maintain 30 psi of air pressure in all four tires.** Keep air valve caps placed on each valve to prevent damage.