

Vacuum Recovery Systems

by Steel Eagle, www.SteelEagle.com

One of the major advantages of having a setup that allows for recovery of waste water is the opportunity to bid high paying jobs you may not be otherwise able to. Anytime you are able to have the equipment that allows you to tell a client “yes we can” – and deliver – the better!

Similarly, while you may have substantial competition in your area for more standard cleaning jobs, having a clean and capture recovery system will open you up above the crowd.

Also, now more than any other time in our history, customers are looking for environmentally-friendly solutions for their cleaning needs. Not only are there new federal, state and local laws, folks are just getting more eco-minded.

Usually there are a couple of scenarios that require wash water to be captured:

The local community or state codes mandate that wastewater from pressure washing must be recovered and treated before being dumped down the sanitary sewer.

The facility or area being cleaned does not have floor drains for the wastewater to go down.

If your client falls into one of these categories there are some things to consider.

What is the distance of the water recovery in feet? How far will your cleaning tool be from the vac unit?

What is the size of the cleaning tool: 11”, 16”, 24”, etc.?

Once you have addressed these questions you can make a more informed decision of your needs. For example, if you want to run a 16” clean-and-capture tool 100 feet from the vac unit, then you need a much smaller setup than if you want to run a 16” clean-and-capture 600 feet from the vac.

Of course, the larger and further away the variables, the more expensive the setup will be due to needing higher CFM’s (Cubic Feet per

Minute), bigger engines and blowers to create the suction you will need.

There are several components that make up a vacuum recovery system:

The pressure washer itself, usually a hot water 4-5 gpm unit that is capable of 3000 to 4000 psi

The vacuum unit, commonly ranging in size from 16 to 38 hp, providing CFM ratings from 250 to 475. These vacuums are capable of retrieving from up to 600 feet depending on the tool size and number of operators.

The primary separation tank. This is where solids are separated from fluids.

The clean and capture tool. There are the different sized surface cleaners that connect to the vacuum. They are available in 11” to 24” diameters and some are made with handheld accessories, allowing for vertical wall usage.

The vacuum hose. Hoses must be 1.5”-2” and are available in 50’ and 100’ lengths. They are connected with hose barb connectors to attain the desired full length.

Accessories like vac hose reels and high-pressure hose reels are needed.

Take the time to discuss the particular cleaning situations you will most likely be presented with, with your salesperson. They can recommend the perfect system utilizing the correct complement of tools for the job.

Whether you are doing smaller interior office spaces or kitchens, or larger industrial/manufacturing facilities, Steel Eagle has a system that will do the job with ease and speed.

Steel Eagle was founded in 1993 to innovate new and dynamic pressure washing accessories. We are a customer driven company providing world class products for commercial and industrial cleaning and storage applications. To learn more, visit our website at www.SteelEagle.com