

RV Waste Systems: The Next Generation



Isn't it amazing when a great idea surfaces that gets everyone excited, and everybody stands around and wonders why nobody had done this before? This is the phenomenon that is the talk of the RV industry as the first production motorhomes incorporating the revolutionary

Waste Master Evacuation System start to roll of the assembly lines in Oregon and Indiana.



The Waste Master is stored in its own compartment. When opened, the consumer activates a button on the remote control device and air pressure within the hose ejects a nozzle automatically and the RVer simply guides it into the sewer connection fitting.

into drawings, drawings turned into prototypes, and before you knew it Doug was suddenly out of retirement and back into business. This time it was the RV business, and he was determined to solve the mystery of trouble-free products and systems that would automate waste evacuation and improve the quality of the RV lifestyle that millions of people enjoy each year.

Nothing ... absolutely nothing ... is more distasteful to experienced RVer than having to manually empty their holding tanks with the same technology that they have been using for over thirty years. How many times have you bent down, pulled the cheap manual fittings, and hoped that everything would work the right way and that you would not soil the environment with the contents of your gray and black water holding tanks? Everybody has the same answer: "far too many and we are not going to take it anymore."

The good news for the RV industry is that help is on the way and available now on many of the most popular trailers and motorhomes being produced by RV manufacturers.

The company behind this success story is Phase Four Industries in Hollister, California. Doug Swarts, a retired business owner and engineer in the semiconductor industry, was traveling in his converted bus and was continuously frustrated with the problems associated with the manual evacuation systems he had to deal with.

Once an inventor, always an inventor... so Doug started to play around with a few ideas and sketched out some logical enhancements that could improve the RV experience for everyone. Sketches turned

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Fast forward a few years and the industry is just about ready to fully embrace the two most popular items offered by Phase Four Industries. Hidden from view in many trailers and motorhomes are the Drain Master electric dump valves. Consumers hook up the sewer hose and simply activate the switches and the automatic valves open to dump waste and close to secure the fittings for safe travel.



When the urge to hit the road again strikes, you simply close the lever on the nozzle, remove the nozzle from the sewer connection and push a button on the remote control that automatically retracts the hose and nozzle back into its compartment.

the hose and nozzle back into its compartment. It's so simple, you could do it with white gloves on and you wouldn't have to wash them after you were done.

Now why didn't some body think of this before? It's so simple and easy to use; you really do have to wonder why it took so long for such an easy to use system to find its way to the marketplace. This type of system could only have been invented and engineered by somebody who was an active RVer that had to live with the unsanitary and inefficient systems that have proliferated our industry for so long. It's the type of engineering that happens when the frustration level reaches that part of the brain that is convinced that the process can be improved and the cells start mixing it up until the thinking and wondering results in concepts and beliefs that spark the ingenuity to put it all on paper and make it work.

Building on the success of the Drain Master Valve, Swarts went to work on automating the entire waste evacuation system. Earlier this year the Beaver Marquis was introduced as the first production motorhome equipped with the new Waste Master Evacuation system as standard equipment.

The Waste Master automates the task that RVers love to hate. The nastiest and unsanitary aspect of dealing with dump valves and hoses has finally been eliminated. Consumers are calling this the most exciting thing to happen in the RV industry since they introduced slide-outs. And they are right!

The Waste Master is stored in its own compartment. When opened, the consumer activates a button on the remote control device and air pressure within the hose ejects a nozzle automatically and the RVer simply guides it into the sewer connection fitting. A rubber cone shaped collar then makes an airtight connection, and the hose is opened, when the handle on the attached nozzle is activated. It's as simple as putting gas into your car or RV, and just as clean.

The system's hose is 19 feet long, which will accommodate most RV park and campground environments. If required, an additional piece of hose can be added by simply removing the nozzle's rubber cone and adding additional hose to extend the capabilities of the system.

When it is time to empty the holding tanks, the consumer simply activates the Drain Master valve switches that are also part of the Waste Master System, and the tanks are effortlessly dumped in a clean and efficient manner.

When the urge to hit the road again strikes, you simply close the lever on the nozzle, remove the nozzle from the sewer connection and push a button on the remote control that automatically retracts

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Consumers are getting their first look at the Waste Master System this year and are overwhelmingly in favor of the product and want it on their next motorhome or trailer. Showings at manufacturer's rallies and FMCA conventions have generated a lot of interest in the system and consumers are starting to contact their dealers and favorite manufacturers to see when they will be incorporating Waste Master into their product line.

Like so many other features in the RV industry, such as microwaves, air conditioners, awnings and slide-outs, it takes time to reach that point where everybody wants one. Although Drain Master valves and the Waste Master Evacuation System are not at that point right now, they are positioned for increased visibility at the consumer level and it won't take long for these products to become the hottest topic around the campfires this summer.

It's kind of crazy to think that so many conversations will take place around the sewer connections this year as coaches begin to pull in and hook up with the revolutionary Waste Master System ... and everyone is going to want to know what it is, how it works, and where they can get one.

I guess that was worth coming out of retirement for!

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