

HELP PROTECT SEWER OPERATORS

PROTECT SANITARY SEWER WORKERS FROM CONTACTING RAW WASTEWATER BY CLEANING THE SEWER HOSE & SANITIZING EQUIPMENT AT THE JOB SITE

Sewer cleaning inspection returns thousands of viruses to the street surfaces, jeopardizing Operator health. Given the potential exposure, it is more important than ever to improve the conditions at each manhole.

The Vanguard System is constructed from the highest-quality materials and components available, to ensure long and trouble-free operation.

The System's hydraulic pumps, hose reel, control box housing, switches and other components have all been selected because of their rugged construction and history of long life when used in truck mounted applications.

The Vanguard System is lightweight and easy for your crew to use. The System utilizes pressure sensing technology to turn on and off the unit as needed, eliminating trips back and forth to the main control panel. Just hook it up, turn it on, and let Vanguard do the rest to help protect the health and safety of your people.

HOW DO SEWER WORKERS GET EXPOSED TO CONTAMINATES?

The environment in which sewer workers operate contains numerous types of harmful bacterial and viruses which can cause sickness or disease in the human body. When maintaining these sewer systems, workers are exposed to contaminants as they are pulled out of the sewer on hoses, nozzles, cameras, tools and other equipment. While the extent to which the human body may be impacted through repeated exposure to raw sewage is still unknown, doctors universally agree that reducing exposure to contaminants significantly reduce the possibility of contracting infections.

*The Vanguard System is designed to supplement, not replace, existing safety programs, practices and equipment.

**SANITIZE
AT THE
SOURCE!**

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INSTALLATION KIT. The modular design of the system adapts to most Vactor trucks and allows components to be positioned and mounted in convenient locations. The installation kit contains instructions, mounting templates, tubing valves, wiring and fasteners for the tank, control box, reel and hose, spray gun, and manhole roller.

VANGUARD SANI-SOLUTION CONCENTRATE & TANK.

The concentrate is specially formulated material that helps sanitize tools and surfaces. The concentrate is UV-stable and remains liquid-state to a temperature of -30 F. The system has an air purge feature to clear the water line when operating in freezing conditions (requires compressed air connection from truck).

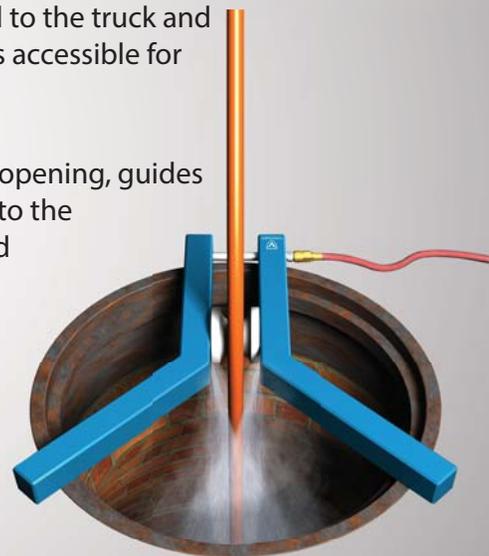
The concentrate is stored in an opaque, 5 gallon, poly-propylene tank that is mounted to the truck and routed to the control box. The tank should be mounted so the splash-proof vent cap is accessible for refilling.

MANHOLE ROLLER. The Y-shaped design of the manhole roller spans the 24" opening, guides the jetting hose and allows space for a vacuum tube. Four spray nozzles, integrated into the manhole roller, direct a steady stream of sanitizing solution as the hose is retracted and returned to the reel. The downward direction of the spray nozzle washes debris into the manhole.

The manhole roller assembly is designed with light-weight, non-rusting components for maximum service life. The bracket is aluminum with stainless steel feet and the self-lubricating roller is nylon with a stainless steel shaft.

HOSE REEL. The metered Vanguard Sani-Solution concentrate is routed from the control box to the hose reel assembly mounted to the truck. The hose has a quick-connect fitting for attachment to the manhole roller or spray gun. Opening the control valve and dispensing solution activates the pressure-sensing pump for continuous flow. The hose reel is supplied with 50' of 1/2" hose, enabling an Operator to reach and sanitize tools and surfaces, on and around the truck.

CONTROL BOX. The rugged, powder coated steel control box is NEMA-4 rated and accurately meters and blends the Vanguard Sani-Solution concentrate with on-board water. The System is self-priming and remains in stand-by mode until pressure-activated. The control box uses pressure-sensing technology to turn on/off the pump as needed, eliminating any delays. When the control valve for the manhole roller or spray gun is opened, the system senses the drop in pressure and activates the pump.



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