

PRESS RELEASE

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SANICUBIC 1 Simplex Grinder System Offers Clog-Resistant, Lower-Cost Alternative to Sewage Ejector Packages

Designed for residential and commercial applications where the sewer line or the septic tank sits above or away from the structure, this simplex grinder system handles waste from multiple fixtures with no need for below-grade storage and the costly, risky digging it requires.

EDISON, N.J. (JUNE 28, 2012 :: UPDATED JANUARY 2017) — The SANICUBIC 1[®], the newest addition to the Saniflo line of heavy-duty packaged grinder systems, is a pre-assembled simplex grinder designed to handle the wastewater and sewage streams from multiple plumbing fixtures in residential and commercial applications, both new construction and renovation. A smaller version of the SANICUBIC 2[®] duplex grinder system, the SANICUBIC 1 is capable of pumping up to 50 gallons per minute (gpm) from toilets, sinks, tubs and showers, dishwashers, washing machines and much more in complete building structures.



Featuring a 1-hp motor, the SANICUBIC 1 can pump up to 50 gpm from plumbing fixtures located throughout a residential or commercial building.

Featuring a one-horsepower motor and a fast-rotating stainless steel cutting blade, the SANICUBIC 1 minimizes the possibility of clogs by quickly reducing solids in the wastewater streams to a slurry that can be pumped up to 36 feet vertically or 328 feet horizontally through a 1.5-inch, rigid pipe. With these capabilities, the SANICUBIC 1 is ideal for applications in which the septic tank or sewer line is located either above or at some distance from the structure, or where gravity flow is not sufficient to move the waste.

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“In these types of applications, the SANICUBIC 1 offers a simpler, more reliable option than a conventional sewage ejector package,” says Saniflo CEO Regis Saragosti. “With the SANICUBIC 1, there’s no breaking through concrete to bury a storage basin for the waste, with all the hazards that entails. Meanwhile, the high-performance, grinding system of the SANICUBIC 1 can more easily handle the accidental flushing of sanitary articles, such as feminine products, baby wipes, dental floss, condoms, etc.”

Simple operation: To maximize longevity while minimizing maintenance, the SANICUBIC 1 consists of comparatively few components: the 1-hp pump, the stainless steel cutting blade, two pressure switches and a circuit board assembly that starts and stops the unit. A common spindle shaft operates the impeller and the cutting blade.

Operating at 3,600 RPM (revolutions per minute) for rapid elimination of heavy-duty waste, the motor is sealed for life in an oil-filled enclosure of its own. Effluent enters the pump through any of four adjustable inlets, ranging in diameter from 1.5 inches to 4 inches and located on the sides and top of the SANICUBIC 1. This effluent is then picked up by the pump impeller located beneath the motor and moved out of the unit through a 1.5-inch, rigid PVC or CPVC discharge line.



The components of the SANICUBIC 1 — pump, cutting blade, switches and circuit board — are contained within this compact, but durable plastic enclosure that can be positioned at or below floor level, depending on the application.

Superior option: The SANICUBIC 1 offers a number of clear-cut advantages over conventional sewage ejection packages.

- **No need for expensive excavation:** The SANICUBIC 1 requires no below-floor drainage piping: All effluent is pumped upward and horizontally to the sewer line or septic tank. In addition, the SANICUBIC 1 stores no waste, but discharges most of its contents immediately with every activation. As a result, in contrast to a sewage ejection system, there is no need to dig a pit to house a large-diameter tank.

“Beyond the extra cost in labor and for special excavation equipment, breaking through concrete can compromise the integrity of the structure,” comments Regis Saragosti. “Cracks

in the floors and walls can develop, risking seepage and mold problems. The storage tank itself is susceptible to leaks over time, creating odor problems and possible concrete-rot issues. Besides, who wants 50 gallons of waste sitting beneath his or her home?”

- **Greater installation flexibility:** With sewage ejection, piping runs throughout the structure must all come together at a single connection at the pump. With its four inlets, the SANICUBIC 1 offers greater piping-layout flexibility, making it easier to handle multiple fixtures. Not only is installation labor reduced, but because SANICUBIC 1 can typically accommodate smaller-diameter piping, material costs are reduced as well. Furthermore, the SANICUBIC 1 can be installed above- or below-ground, offering convenience and flexibility.
- **Waterproof enclosure:** The SANICUBIC 1 is IP68 rated for possible submergence, which eliminates any potential water damage to internal components. It comes equipped with an external control panel as well as a visual and audible alarm system (contains a 15 ft. long wire).
- **Lower operational costs:** By reducing solids to a slurry, the stainless steel grinder in the SANICUBIC 1 dramatically lessens the possibility of plumbing-line clogs — plus the heavy cost of clearing them — thus minimizing any callbacks. Sewage ejection systems typically do not include a grinder and are therefore more susceptible to blockages as well as to disruptions of their float mechanisms, preventing their storage tanks from ejecting waste in a timely manner.
- **Easier servicing:** In a sewage ejector system, the pump is typically located in the storage tank and therefore covered in waste. Removing it for servicing is a physical ordeal for the plumber. Because the SANICUBIC 1 evacuates with each activation, removing the pump for servicing is much easier. “The service tech won’t need to wear a hazmat suit and a mask to work on the SANICUBIC 1,” says Regis Saragosti. “In fact, he likely will be able to lift the pump out of the unit wearing only gloves, and he won’t be tracking that waste through his customer’s home or business.”

To summarize: The SANICUBIC 1 offers a lower overall lifetime cost than a conventional sewage ejection system once the extra expense of floor excavation, the higher cost of plumbing materials and labor, and the increased incidence of maintenance are all factored in.

“A one-horsepower grinder system flexible enough to handle both residential and commercial applications is a genuine breakthrough for our industry,” remarks Regis Saragosti. “Whether

we're talking installation, performance, maintenance or overall affordability, the SANICUBIC 1 offers builders, contractors and their customers a truly compelling alternative to conventional sewage ejector packages.”

Saniflo also offers the SANICUBIC 2, which comes equipped with two one-horsepower motors. Beginning in April 2017, a redesigned SANICUBIC 2 system will be offered with all the features of the SANICUBIC 1 plus dual horsepower grinding motors.

Saniflo warrants the SANICUBIC 1, including all electrical components, for two years. Visit www.saniflo.com for warranty information, including the new 2+1 year limited warranty. View this video to learn about the SANICUBIC 1's setup and operation:

<https://www.youtube.com/watch?v=3bnq9F1OgKs>

SANICUBIC 1 SIMPLEX GRINDER SYSTEM – KEY SPECIFICATIONS:

- Dimensions (inches): 13.75_H x 18_W x 16.75_D
- Motor Type: Induction, 3,600 RPM
- Horsepower: 1.0 HP
- Voltage: 110-115
- Amperage: 10 maximum
- Discharge: vertically – 36 feet; horizontally – 328 feet
- Discharge rate: at 36 feet — 26 gpm; at 3 feet — 50 gpm
- Pipe size discharge: 1.5-inch
- Maximum fluid temperature: 158°F / 70°C
- Running time: Varies, depending on length of pipe run

SFA SANIFLO U.S.A. — whose parent company originated macerating plumbing technology – offers a complete line of waste and drainage pumping systems for residential and commercial applications. Saniflo developed its innovative, “above-floor plumbing” technology more than a half-century ago and has led its commercialization worldwide. Today, the company markets macerating technology through 24 subsidiaries in 50 countries and has sold more than seven million units worldwide since 1958. Saniflo markets through independent sales agents throughout North America, and the product line is currently available at distributor and dealer locations throughout the United States and Canada.

For more information, contact Saniflo at 1-800-571-8191. Or visit the Saniflo website at www.saniflo.com.

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