

SANITRAX SYSTEM SUMMARY

FEATURES

The Sanitrax Mobile Restroom System is an alternative improvement to the traditional portable toilets typically seen at concert and event venues (i.e., porta potties). More Sanitrax information can be found here: [Sanitrax Website](#)

- Powered by ultra-high efficiency Jets™ Vacuum Pumping Technology.
- Utilizes negatively-pressurized air to transport sewage instead of water.
- Portable and modular system - easily transported and installed.
- Easily adaptable to tie into a variety of commonly found sewer, water and power connections.
- Dual-pump system for operational redundancy.
- Built-in air gap for backflow prevention.
- Built with over 60 monitoring functions for live feed of system status.
- Remote monitoring interface available.
- Trained staff on site during hours of operation
- ICC Certification

BENEFITS

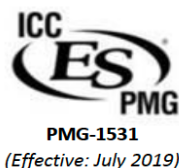
- Vacuum conveyance flushes sewage away from the user instead of storing it at point of use.
- Modular system allows for custom configuration of multiple toilet and urinal modules.
- Pre-macerated waste discharged directly to sewer
- Systems may be relocated or reconfigured without impacting a site's permanent infrastructure.
- Vacuum conveyance significantly reduces waste- water production compared to gravity drainage

INSTALLATION REQUIREMENTS

- Water Input: ¾" camlock; 40-70 psi; 8 gpm (*min*)
- Wastewater Output: 2 ½" camlock; 4" (*min*) sewer pipe connection
- Electrical: 480V; 60hz; 3 Phase; 60 Amp
- Sewer POC Distance: 100 ft (*recommended*); 300 ft (*max*)
- Waste Output Height Limitations: 12' head
- Preferred Foundation: Level concrete, asphalt, crushed gravel, or other hard walkable surface
- Heavy Equipment: forklift required to transport, erect, and collapse modules

ENGINEER'S REVIEW & CERTIFICATIONS

The system has been extensively reviewed by 2020 ENGINEERING and is certified to meet the intent of applicable plumbing codes. All electrical components are UL Certified. [Sanitrax is ICC certified.](#)



ICC Certification Contact Information:
ICC Evaluation Service, LLC
(562) 699-0543



JETS™ VACUUM PUMPING TECHNOLOGY

- 90% less water compared to conventional gravity flush toilets
- 0.21 gal/flush with 1:48 air-to-water ratio
- Constant vacuum maintained in conveyance piping
- Widely used in boats, cruise ships and trains for decades
- Emerging as more common for land-based applications, such as green building projects and portable restroom systems
- UL Certified
- [Jets™ Website](#)



TECHNICAL UNIT

Sanitrax offers multiple Technical Unit models which operate as the heart of the Sanitrax System. The Technical Unit houses the system's pumps and controls which distributes the system's water, wastewater and electrical loads.



- Conveyance Capacity: 14.4 gpm
- Maximum Connections: 21 (*recommended*)
32 Modules (*maximum depending on usage*)

TOILET MODULE

The Sanitrax Toilet Module houses three toilets. The modules are connected in series to the system's technical unit. All water, wastewater and electrical utilities are pre-assembled and simply need to be plugged into the system's Technical Unit

- Peak Flush Rate: 90 flush/hr (*30 flush/hr per toilet*)
- Water Input: 0.21 gal/flush per toilet
- Wastewater Output: 0.32 gal/flush per toilet (*5-8 gal/toilet per hour*)
- 12V LED lighting in each stall



URINAL MODULE

The Sanitrax Urinal Module houses eight urinals. A basin below the urinal trough collects liquids which are automatically flushed when liquids reach a preset level. During flushes, freshwater automatically rinses the trough.

- Peak Flush Rate: 9 flush/hour
- Water Input: 0.11 gal/flush
- Wastewater Output: 1.5 gal/flush
- 12V LED lighting



HANDWASH MODULE

The Sanitrax HandWash Module houses eight sinks four on each side .The HandWash also has four soap dispensers two on each side along with two paper towel dispensers one on each end. A basin below the HandWash collects liquids which are automatically flushed when liquids reach a preset level.

- Peak Flush Rate: 9 flush/hour
- Water Input: 0.11 gal/Tap press
- Wastewater Output: 1.5 gal/flush
- 12V LED lighting



SHOWER MODULE

The Sanitrax Shower Module houses Two shower stalls with curtains for a dry area for clothes . Each stall has its own 12v LED light in it A basin behind the showers collects liquids which are automatically flushed when liquids reach a preset level.

- Peak water usage : 2 gal/ min per cabinet
- Water Input: 40-90 psi
- Wastewater Output: 1 gal/flush
- 12V LED lighting

