

SEPTAGE COMMANDER

SEPTAGE RECEIVING, FLEXIBLE AND INDEPENDENT

The **Septage Commander** delivers a fully self-contained, weatherproof, stand-alone access terminal for septage receiving control. This controller includes full automation and reporting functionality, along with full remote control through the **Flowpoint Fusion and Septage+** platforms—letting system owners turn accounts on/off, track usage, and manage customers online. Available in a variety of configurations, it adapts easily to any existing building or site.

Access options include on-account billing and prepaid access, providing a simple and convenient user experience. The controller supports multiple inlets, with optional custom siding and wastewater-quality monitoring.



Above: Surface Mount Panel

Features & Benefits

Fully automated, secure septage receiving for haulers and operators

- Compatible with most flow-meter brands
- Secure access control through keypad and RFID
- Integrated Flowpoint software for transaction monitoring and reporting
- Multi-user and multi-station capability with cloud connectivity
- Fit-for-purpose, corrosion-resistant enclosure; fully weatherproof
- The stainless steel user interface is rugged, easy to use

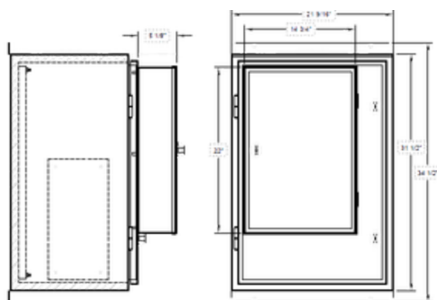
Typical Applications

Municipal wastewater utilities
Septage and hauled waste receiving stations
Industrial wastewater and pretreatment facilities
Oil & gas, agriculture, fracking, and mining operations.
Remote or off-grid wastewater handling locations
Leachate management

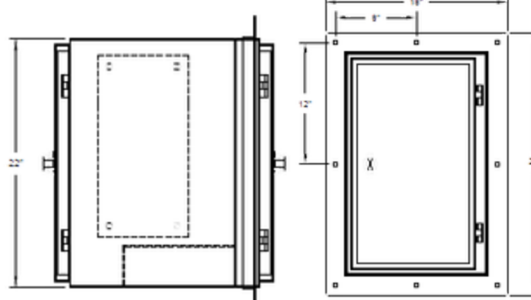
Sizes and Configurations

Thru-Wall panel
Surface Mounted panel
Pedestal Panel
Can be NEMA and/or IP rated as required to meet site conditions

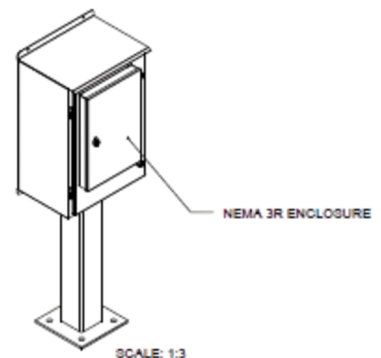
Dimensions



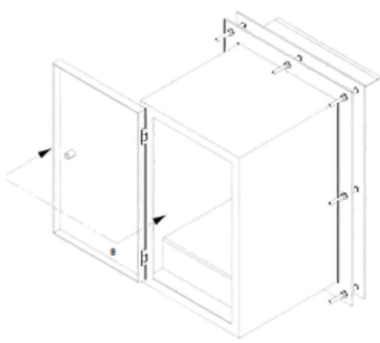
Above: Surface Mount Enclosure



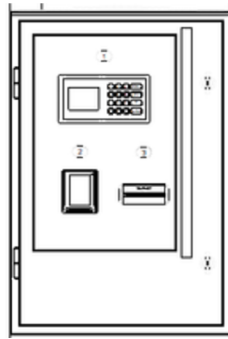
Above: Thru-Wall



Above: Pedestal-Mount



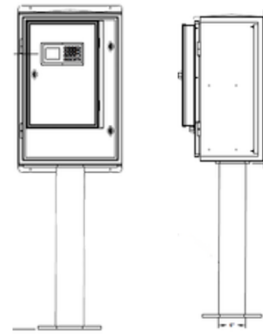
Easy and Secure Access double door ensures only authorized access to the controls



Automation and Remote Control
Can manage auto flush, solenoid control and remote read metering



FLOWPOINT
KEYPAD/HMI
CREDIT CARD
READER
THERMAL PRINTER



Multi Purpose additional features like gate control, integrated camera and payment options create flexibility

Main System Details

Mechanical:

Flowmeter and Control Valve: Compatible with most flow meters. If a compatible unit is not available, an Endress+Hauser (E&H) Promag magnetic flow meter with Val-Matic plug valve and Rotork actuator can be provided.

Electrical:

Minimum Power Requirements: 120VAC, 15AMP single phase for a standard unit. Multi-phase power required for units with integrated pre-treatment options.

Heater: 100W Electric heater for cold-weather operation with insulation

Load Center: Sized for incoming service line

Standard Material:

Enclosure: Insulated, weatherproof aluminum kiosk with outswing lockable door. Standard 1.5"

Access Terminal Coating: Grey powder coating, rated NEMA 3R

Notes

- If leveraging existing hardware, please specify existing equipment models to ensure proper integration.

Measurement & Controls

Controller Specifications:

Programmable Logic Controller: Allen-Bradley CompactLogix PLC

Human Machine Interface (HMI): Stainless steel, color display, large backlit color coded keys, vandal resistant (IK09)

Communication Interface: Ethernet, Cellular (with SMS/text alarms), or Radio.

Data Storage: Non-volatile memory with automatic synchronization capable of storing up to 250 transactions offline

Software Integration: Compatible with Flowpoint Septage+ and Fusion

Software Environment: Client/Server (LAN) or Cloud

SCADA Integration: Supports Ethernet/IP and Modbus TCP (via protocol converter).

Fail-Safe Features: Valve automatically closes on power loss, fault conditions, or after a predetermined period of no flow detection.

Optional Equipment:

- Flexible configurations with dual inlets and multiple access terminals
- Advanced monitoring and control with sensors (including pH, hydrocarbon, and conductivity sensors), cellular connectivity, and automated sampling; integrates with most existing advanced monitoring and control systems.
- Integrated pretreatment and solids management (rock traps, grinders, screening, dewatering); integrates with most existing pretreatment solutions.
- System protection features including auto-flushing and hose reel for washing down accidental spills; integrates with most system protection features.
- Site enhancements such as CCTV security

Software and Operation:

Septage Commander integrates with Flowpoint Septage+ and Fusion software for remote configuration, real-time usage monitoring and alarms. Authorized users access water using a PIN pad or RFID. All transactions are securely logged and synchronized to the administrative software.

