



Inline Grinder

Sewage Grinders and Macerators

Pre-Assembled Grinding Systems

ParkUSA Grinding Systems are pre-assembled, ready-to-install concrete vaults with a sewage grinder. Ideal for shredding rags, wipes, diapers, and other disposable items that commonly clog sewage pumps, they are often used at prisons, hospitals, and nursing homes.

The ParkUSA grinding system can be tailored to meet your specific site requirements and is pre-engineered, pre-assembled, compact, and designed for below grade installation. It works seamlessly with gravity sewer systems and fits anywhere while protecting guard pumps and preventing sewer clogs.

The turnkey package comprises a precast concrete vault structure with an access hatchway, ladder, sump pump, and a branded grinder system with PLC controls, isolation valves, automatic bypass, and all necessary piping. The system is also factory-pre-assembled and tested for hydrostatic pressure.

Applications

Sewage and treatment plants • Industrial facilities • Hospitals and healthcare • Prisons and correctional facilities • Wastewater lift stations

Advantages

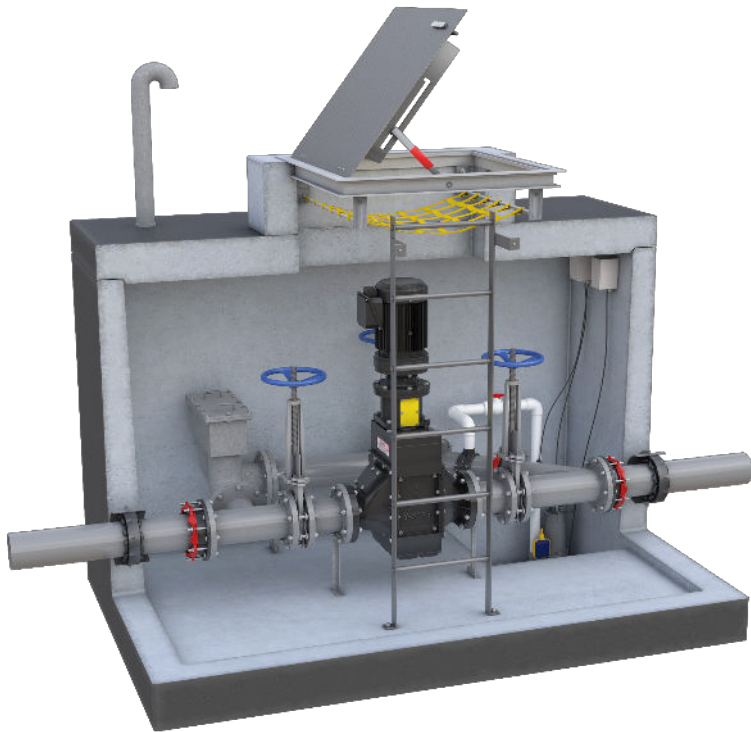
- Meets city and municipal specifications and compliance
- Factory-pre-assembled and tested, ensuring quality assurance
- Equipped with integral bypass and isolation valves for optimal performance
- Includes reliable OEM brands of grinders and components
- A turnkey assembly with a firm price for cost-effectiveness
- Equipped with a sump pump to prevent water damage
- Protects downstream pumps, processing equipment, and sewer lines



Channel Grinder



Dual Macerator Assembly



How It Works

The ParkUSA grinder macerator assembly is designed to be placed within a sewer line at a depth of 3-feet to 8-feet underground. This assembly includes a twin shaft grinder macerator, a sump pump, knife gate valves, and associated piping and fittings. The macerator shreds wastewater solids into smaller particles, allowing it to flow more easily through the pipes. All of these components are housed within a structural concrete vault, which provides durability and security to prevent damage and vandalism. Additionally, the vault has access points for maintenance and repairs.

Full product catalog available at request.parkusa.com



System Components

Concrete Vault: Provides durable and secure housing for the grinder macerator assembly, protecting it from damage and vandalism.

Macerator Grinder: Unit with vertical shafts and rotating blades that shred solids as they pass through the sewer pipe. Includes automatic bypass in the event of failure or clogging.

Control Panel: Manages the automatic grinding process and monitors the system's performance.

Access Cover: Provides entry point for maintenance and cleaning activities. Made of galvanized steel or aluminum with a safety retractable net. Steps or ladder rungs provide safe access to the vault.

Vent: Releases air pressure from the interceptor and prevents buildup of harmful gases.

Junction Boxes: Protective housing for electrical connections, wiring, and devices.

Sump Pump System: Contains submersible pump with a float switch, check valve, and ball valve to prevent water damage by pumping out excess water.

Knife Gate Valve: Controls flow of wastewater.

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