

APPLICATION

The PVS Process Equipment VF Series Waste Bedding Disposal System is designed to pneumatically convey waste bedding material from one or more dump stations over a distance of up to 1,000 feet vertically and horizontally to a sealed vacuum waste container.

This system is intended for use in both stand-alone (manual or batch wash) and integrated (continuous wash) applications where waste removal consumes significant staff resources. Due to its mobile dump station configuration and overall system scalability, this system can grow and adapt as the need of the facility evolve.

KEY FEATURES

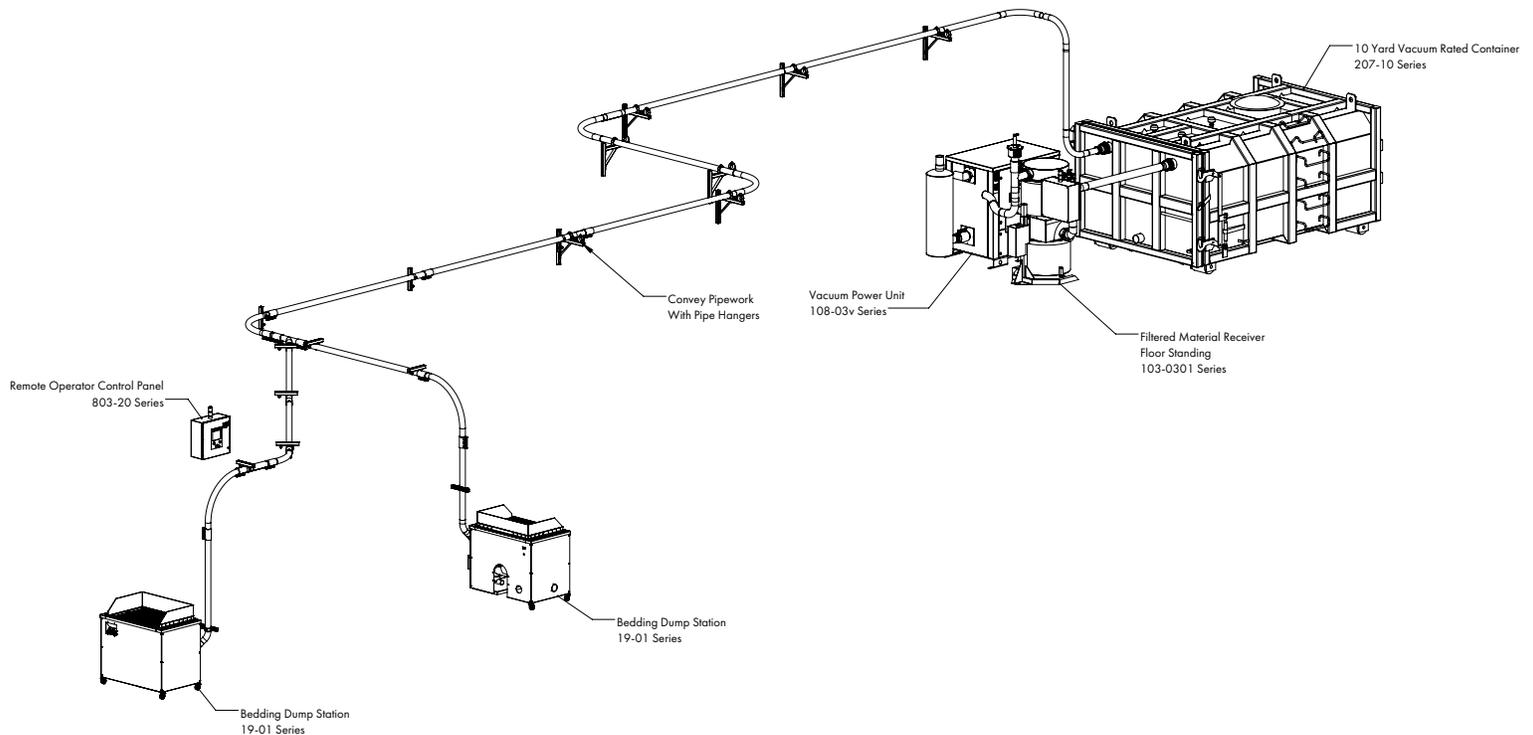
- Turn Key Solution
- Scalable for Growing Facilities
- Integrated Odor Control
- Real Time System Monitoring

OPERATION & INTERGRATION

Waste bedding material is deposited into a dump station connected to the conveyance system. Waste materials, including bedding, food pellets, enrichments and other organics, are metered into the conveyance pipe network to ensure clog-free operation as material is conveyed. Material is collected in a fully enclosed, vacuum rated container, eliminating the typical unpleasant odor associated with waste disposal operations.

All system operations are monitored and controlled by a PLC with full color touch screens at both the bedding dump station and vacuum power unit. System operating status and contain levels easily viewed and tracked.

The VF series package is ideal for customers looking to automate waste bedding removal while improving the operating efficiency and environmental conditions.



SYSTEM COMPONENTS:

- 19-01 Series Bedding Dump Station
- 103-0301 Series Floor Standing Filter Receiver
- 108v Series Vacuum Blower Package
- 207 Series Vacuum Rated Container
- 803 Series Convey System Controller
- 106 Series Cartridge Dust Collector (O)

UTILITY REQUIREMENTS:

Electrical:

- 30-60 AMP at 480 Volt, 3 Phase, 60 Hertz
 - o 108v Vacuum Power Unit
- 15 AMP 120 Volt, 1 Phase, 60 Hertz
 - o 19-01 Bedding Dump Station

Compressed Air:

- 1 CFM at 60 PSI Clean & Dry Air (Intermittent Duty)
 - o 19-01 Bedding Dump Station
- 2 CFM at 90 PSI Clean & Dry Air (Intermittent Duty)
 - o 103-0301 Floor Standing Filter Receiver

TECHNICAL DATA

- Stainless Steel Pipe Network
- Heavy Duty Stainless Steel Construction
- Integral Dust Control at Bedding Dump Station
- HEPA Filtered Discharge
- Two (2) Color Operator Interface Screens (HMI)
- NEMA 4x Stainless Steel Painted 4/12 NEMA Enclosure
- Fully Integrated Controls
- Ethernet Communication Capable
- Compressed Air Regulation Kit
- Integral Air Compressor (O)

CUSTOMER DRIVEN SOLUTIONS.