

Roadworthy Trailer Cyclone Separators and Baghouses Designed To Combine with Any Vacuum or Vacuum Truck



Trailer Mounted Cyclonic Separator for Bulk Unloading

Standard Components

- Collector raises to a standard maximum height of 8'-6", centerline 6'-0" from the rear edge of the trailer. When the cyclone collector is in raised position, it is upheld by rigid support arms. Specially configured collectors with added height are optionally available.
- Approximate weight: 8,500 pounds.
- 54" Cyclone collector with dual gravity dump doors, allowing for continuous dumping.
- 16" Manway.
- Customer supplied compressed air (for continuous operation function) & 12-volt DC power supply (for vac timers).
- Vacuum balance valve (pneumatic) to balance the pressures allowing for opening and closing of the gravity doors.
- Power supply runs the Vacuum cycle timer.
- Replaceable wear plates and deflector plates
- 6" hopper outlet hose, 6" replaceable hopper inlet pipe
- Standard polar white enamel paint

Available options include:

- Air operated impact vibrator on cone with on/off manual valve at control panel area.
- Combination air compressor (for butterfly and/ or optional vibrator) and hydraulic power pack (for raising separator) -or-
 - Hydraulic only package- 115 VAC
 - Air compressor only package with 5 H.P. gasoline engine for butterfly and/or optional vibrator.
- Hydraulic hi-lift kit to allow raising unit to a dump height of 11.5 feet or more.
- Special paint and paint schemes.
- 8" inlet and outlet
- Continuous discharge features

Similarly equipped baghouses are additionally available where filtration is required.

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Trailered Cyclonic Separator (54" Diameter)

For over 30 years, Vector Technologies has manufactured trailer mounted vacuum units supporting a wide variety of industries. The Trailered Cyclonic Separator has the dump characteristics of the proven VecLoader vacuum while utilizing a customer supplied vacuum source. With its hydraulically raised hopper the system functions as a unique trailered unload module allowing efficient unloading in dump trucks, containers, bulk bags, drums or into production systems.

Standard Components (Included options are highlighted or otherwise indicated by)

- Collector raises to a standard maximum height of 8'-6", centerline 6'-0" from the rear edge of the trailer. When the cyclone collector is in raised position, it is upheld by rigid support arms. Specially configured collectors with added height are optionally available.
- 54" Cyclone collector with 3/4 yd³ in the conical storage section
- Hydraulic driven extendible hopper, controls and components powered by customer supplied hydraulic source with a variety of on-machine hydraulic alternatives available.
- 12" butterfly valve to break vacuum during dump cycle
- Customer supplied compressed air operates the vacuum breaker
- 12 volt power cord to be connected to vacuum source
- Vacuum dump cycle timer
- Replaceable wear plates and deflector plates
- 6" replaceable hopper inlet pipe
- 6" or 8" hopper outlet hose
- Standard gravity hopper discharge (Discharge is flanged to accept other optional discharge valves)
- Standard single color polyurethane paint
- Ballast box of counter balance

Available options include:

- Air operated impact vibrator on cone with on/off manual valve at control panel area
- Stainless steel separator components
- Combination air compressor (for butterfly and/ or optional vibrator), hydraulic power pack (for lifting separator) and 12VDC power (for solenoid and timer for dump system) **or:**
 - Hydraulic only package- 12VDC or 115 VAC or alternative
 - Air compressor only package with 5 H.P. gasoline engine for butterfly and/or optional vibrator.
- Explosion venting
- Hydraulic hi-lift kit to allow raising unit to a dump height of 11.5 feet or more.
- 8" inch inlet and/or outlet
- Specialty unloader valves and dump systems to allow for continuous vacuuming including rotary valves, double dumps valves, dual cones and posi-seal valves.
- Special paint and paint schemes.
- Length: 17'-5", Width: 8'-1/2", Height: 11'-2.5", Weight: 10,500 lbs

May 14, 2009



Vector Trailered Cyclonic Baghouse (54" Diameter)

Vacuum trucks can not dump or bag most dry bulk material in a dust free manner. Vac truck also can not load into processing equipment or conveyors. This unique trailered unload system eliminates that shortcoming in conjunction with a customer supplied vacuum source.

Standard Components (Included options are highlighted or otherwise indicated by)

- Thirty-Seven reverse pulse-air coated filter bags, 28" long.
- Collector can be raised to a standard maximum height of 8'-11", centerline 6'-0" from the rear edge of the trailer. When in the raised position, the cyclone collector is upheld by rigid support arms. Specially configured collectors with added height are optionally available.
- 54" Cyclone collector with 7/8 yd³ in the conical storage section
- Hydraulically driven extendible hopper, controls and components powered by customer supplied hydraulic source
- Full road-ready legal highway package with a heavy-duty ring hitch, parking brake, electric brakes, bulldog levelers, four LT235-85R-16 radial tires mounted on six lug spoke rims, and all necessary lights.
- 12" butterfly valve to break vacuum during dump cycle
- Filters are pulsed cleaning utilizing customer supplied compressed air (10 CFM @ 100 PSI required)
- 12 volt power cord to be connected to vacuum source
- Vacuum time cycle timer
- Replaceable wear plates and deflector plates
- 6" hopper outlet hose
- 6" replaceable hopper inlet pipe
- Standard gravity hopper discharge (Discharge is flanged to accept other optional discharge valves)
- Two air reservoir tanks - to be connected to vacuum source for air supply
- Standard single color polyurethane paint

Available options include:

- Air operated impact vibrator on cone with on/off manual valve at control panel area.
- Combination air compressor (for butterfly and/ or optional vibrator) and hydraulic power pack (for lifting separator)
or:
 - Hydraulic only package- 115 VAC
 - Air compressor only package including gasoline engine for bag pulsing, butterfly and/ or optional vibrator.
- Explosion venting and grounded filter bags
- 8" inch inlet and/or outlet
- Hydraulic hi-lift kit to allow raising unit to a dump height of 11.5 feet or more.
- Special unloader valves for continuous vacuuming, including rotary valves, double dump or posi-seal valves.
- Special paint and paint schemes.

May 14, 2009

Trailer Mounted Continuous Dump Cyclonic Separator

For 30+ years, Vector Technologies has manufactured trailer mounted vacuum units supporting a variety of industries. The Trailered Cyclonic Separator has the dump characteristics of the proven VecLoader vacuum while utilizing a customer supplied vacuum source. With its hydraulically raised hopper the system functions as a unique trailered continuous unload module allowing efficient unloading in dump trucks, containers, bulk bags, drums or into production systems.

Standard Components

- Collector raises to a standard maximum height of 8'-6", centerline 6'-0" from the rear edge of the trailer. When the cyclone collector is in raised position, it is upheld by rigid support arms. Specially configured collectors with added height are optionally available.
- Approximate weight: 8,500 pounds.
- 54" Cyclone collector with dual gravity dump doors, allowing for continuous dumping.
- 16" Manway.
- Customer supplied compressed air (for continuous operation function) and 12-volt DC power supply (for vacuum timers).
- Vacuum balance valve (pneumatic) to balance the pressures allowing for opening and closing of the gravity doors.
- Ballast box at rear for improved weight distribution
- Replaceable wear plates and deflector plates
- 6" hopper outlet hose to vacuum source
- 6" replaceable hopper inlet pipe
- Standard single color polyurethane paint

Available options include:

- Air operated impact vibrator on cone with on/off manual valve at control panel area.
- Combination air compressor (for butterfly and/ or optional vibrator) and hydraulic power pack (for lifting separator) or:
 - Hydraulic only package- 115 VAC
 - Air compressor only package with 5 H.P. gasoline engine for butterfly and/or optional vibrator.
- Hydraulic hi-lift kit to allow raising unit to a dump height of 11.5 feet or more.
- Special paint and paint schemes.
- 8" inlet and/or outlet
- Offered as a baghouse with pulse-air filter cleaning.

March 21, 2007