

DETROIT® VacPak ASH RECEIVING EQUIPMENT



The Detroit VacPak is a single unit separator and filter that removes airborne ash from the conveying line to satisfy stringent emission requirements. The ash receiver and separator remove the heavier particles of ash from the air. The fine particles of dust still in air suspension are carried into the bag filter where 99.9% separation efficiency can be achieved.

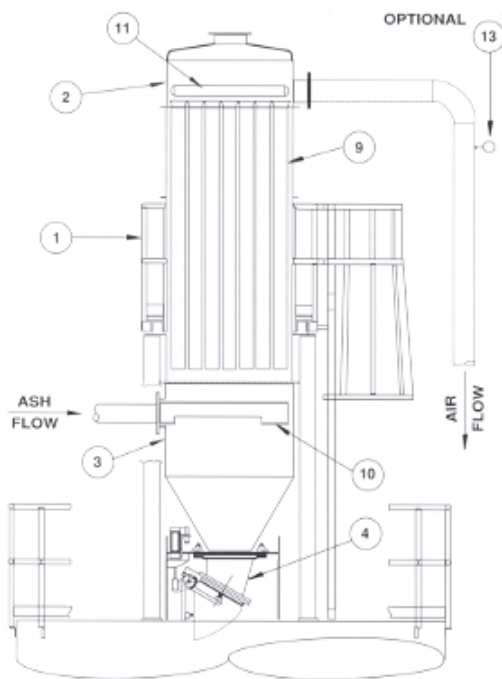
Prior to the Detroit VacPak, the design of separation equipment utilized individual components constructed of heavy cast segments as well as mortared joints that made maintenance cumbersome and costly. The unitized lay out of the Detroit VacPak reduces component complexity. The design also incorporates abrasion resistant steel in high wear areas which reduces maintenance costs.

Detroit Stoker Company

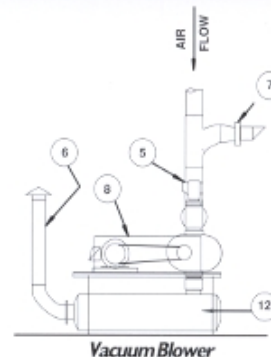
1510 East First Street
Monroe, MI 48161
(800) STOKER-4 • (313) 241-9500
Fax: (313) 241-7126



DETROIT[®] VACPAK DIAGRAM



- 1 Access platform with handrails and ladder
- 2 Clean air plenum
- 3 Inlet receiving section fabricated from abrasion resistant plate
- 4 Cylinder operated swing gate (counter weighted model available for intermittent systems)
- 5 Vacuum relief valve
- 6 Hooded exhaust vent
- 7 System vacuum breaker
- 8 Rotary displacement blower available with high temperature switch & sound enclosure
- 9 High temperature nomex bags are standard
- 10 Abrasion resistant inlet pipe with dead area
- 11 Compressed air header
- 12 Silencer
- 13 Dirty air detector (optional)



FEATURES AND BENEFITS

- Combines separation and filtration in a simple unit that occupies less space than typical systems.
- The integrated design requires less maintenance and eliminates redundant ash discharge valves.
- Operating efficiency of the mechanical blower is significantly greater than that of a steam exhauster.
- Moisture condensing maintenance problems are virtually eliminated.
- Dust collector and blower units are shipped assembled for easy installation.
- Pulse jet type bags are easily replaced with side access doors or walk-in plenum.
- System is rated to 20" Hg. vacuum.
- Air locks are available on higher capacity units for continuous discharge of material.
- Alternative filter media are available to meet a variety of operating conditions and temperatures.
- Utilizes solid state control system logic.



For more information on the Detroit VacPak or other Detroit Stoker products, call 1-800-STOKER-4.

APR-15-01