

# Allen-Sherman-Hoff® CycloASH 60 Collector for Vacuum Conveying Systems

The Allen-Sherman-Hoff® (A-S-H®) CycloASH 60 primary collector from Babcock & Wilcox (B&W) features a multiple chamber design that allows for continuous ash collection—even when ash is being loaded into the storage silo. The CycloASH 60 collector offers easy maintenance, extended wear life and superior sealing.

Powerful cyclonic motion maximizes ash collection from the air stream, causing it to fall more efficiently into the vessel. The unique design of the CycloASH 60 collector makes it capable of meeting performance requirements for abrasive ash collection and higher operating temperatures.

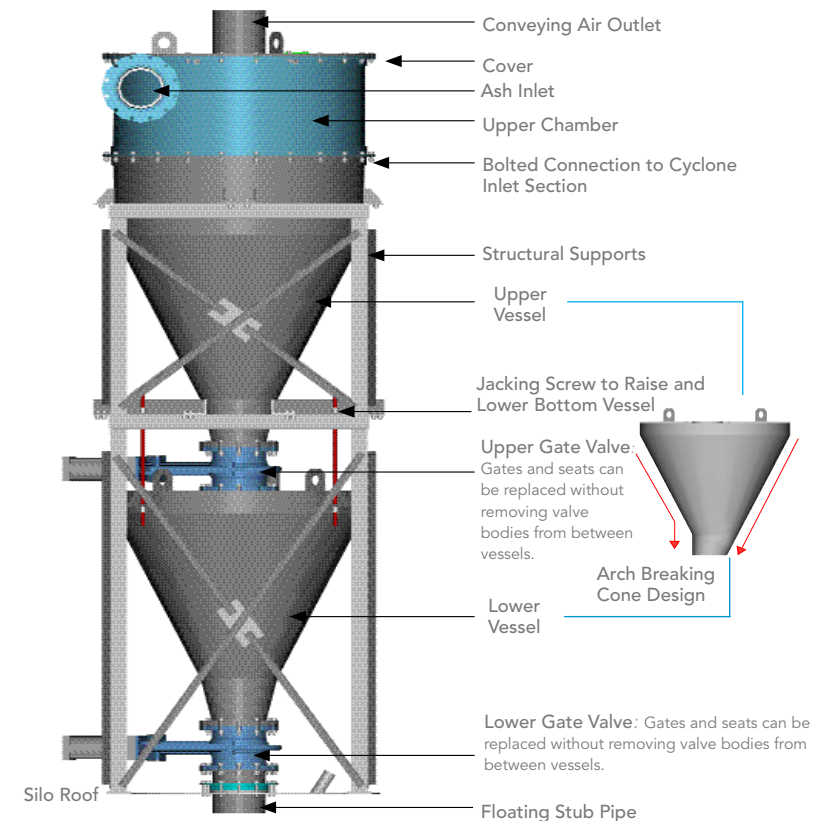
## Benefits

### High-performance ash collection

With a collection rate of 75 TPH, the CycloASH 60 collector exceeds the performance rating of its predecessor (the A-S-H B-60 collector) by 25 percent.

### Easy, external maintenance

The CycloASH 60 collector allows full access to all moving parts and collector components. No confined space entry is required since all maintenance is performed outside the collector. Individual parts can be replaced independently. Isolation valves may be fully serviced with the body remaining in place. Field tests show that the



time to replace the gates and seats is a fraction of the time required for component replacement on the B-60 collector.

### High flow rate, continuous collection

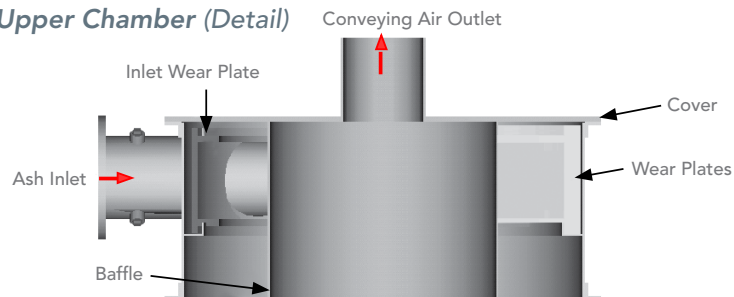
The hoppers on the CycloASH 60 collector feature a natural, arch-breaking design to promote the free flow of ash without

compressed air. Dual vessels allow for continuous collection without breaking the system transport vacuum to empty ash into the storage silo.

### Longer wearing parts

The gates and seats of the isolation valves have a Diamonized® surface treatment that increases the wear life of these parts.

### Upper Chamber (Detail)



continued ►

## Features

- Dual storage vessels (upper and lower) with airlock compartments for ash storage
- Diamondized gates and seats for longer wear life
- Available fully assembled or modularized for field assembly
- Inlet and outlet dimensions are equivalent to the B-60 for simple retrofitting to the silo.



The CycloASH 60 collector is available for silo installation in vacuum conveying systems.

## Specifications

Application Guidelines	Designed as a drop-in retrofit to the A-S-H B-60 primary collector; for vacuum conveying applications only
Assembled Weight	9,200 lb total lifting weight
Assembly	Modular design with individual components mounted on external structural frame; available fully assembled or dismantled for field assembly
Cyclone Inlet Liner Material	Ni-hard, replaceable wear liners
Cylinder Actuation	Direct-operated 120 volt/60 Hz solenoid, International 240 volt/50 Hz available
Elevation and Location of Inlet/Outlet Pipes	Same as the B-60
Isolation Valves	12 in. slide gate-style valves; fully serviceable in place (please see ASHvac® valve product sheet)
Limit Switches	Two (2) DPDT proximity-type limit switches mounted in each isolation valve cylinder
Operating Temperature	Up to 450F (232C)
Rated Collection Capacity	Maximum 75 TPH; efficiency rating 85 percent
Silo Roof Connection	12 in. silo roof adapters; replacements for existing B-60 collectors (P/N A-19657) or new collector installations (P/N A-19658)
Surface Hardness (gates and seats)	Stainless steel with Diamondized® surface treatment; minimum Rc 60
Three-Way Equalizer Valve	A-S-H Style II or Style III recommended (available for purchase separately)
Vacuum Collector Inlet	10 in. or 12 in.
Valve Body Construction	Cast ductile iron

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