



4000 Series: Wet Dust Collector for Highly Explosive & Reactive Dust

1500 CFM & 3800 CFM

Ph: (800) 233-6530 www.kea4cleanair.com

KEA's 2000 Series is most suitable for highly explosive, reactive dust (aluminum and titanium), and oil mist applications. This unit efficiently passes the incoming dust laden air stream through a water vortex which separates the dust particles into the sludge basin

FILTRATION PROCESS

This unit filters the air by a combination of centrifugal force and violent inter-mixing of water and contaminated air. As the air stream passes the fixed baffles, particulate is separated by a heavy, turbulent curtain of water created by high velocity air. The centrifugal force caused by the rapid changes in air flow direction forces the dust particles to penetrate the water droplets and become entrapped within the droplets. Contaminated water is then removed from the airstream by special mist eliminator filter. Dust settles to the bottom of the unit as sludge and the water is recirculated. The basin is periodically manually cleaned via the angled front access using the included sludge rake.

LOCATION

This series of wet dust collectors have a compact foot print with a CFM delivery suitable for small to medium applications requiring wet dust collection. The collectors should be directly connected to the machine to maximize source capture. The water collectors may be placed indoors or outdoors to provide a safe and clean working environment. When located indoors the units can re-circulate in-plant air to conserve energy.



MODEL 4130 (shown above) INCLUDES

An industrial quality 3-HP TEFC motor, spark proof cast aluminum housing and radial fan wheel, 12-gauge carbon steel cabinet with motor compartment & sound absorbing material, airfoil baffles, special mist eliminator filter, 1" drain valve, water level control system, sludge rake, and one 6" air intake inlet. Sherwin Williams Gray Epoxy finish. Stainless steel option available.



MODEL 4075 (shown on left) INCLUDES

An industrial quality 7 ½ HP TEFC motor, backward inclined radial steel fan wheel, 12-gauge carbon steel cabinet with motor compartment & sound absorbing material, airfoil baffles, special mist eliminator filter, two 1" drain NPT couplings, water level control system, sludge rake, and two 8" air intake inlet. Sherwin Williams Gray Epoxy finish. Stainless steel option available.

APPLICATIONS

- Milling
- Refining
- Ceramics
- Foundries
- Chemicals
- Rubber products
- Metal Working

STANDARD FILTER(S) INCLUDED WITH EACH UNIT - Mist Elimination Filter

The filter used in the water collectors is an efficient baffled moisture filter. The media of this filter consists of 4 layers of heavy 24 gauge galvanized steel baffles. The filter is washable and reusable. Filter model # 550 is 24" x 24" x 2" (optional filter model # 551 is for more course particulate) is for the 3 HP unit. Filter model # 554 is 35" x 25" x 2" is for the 7 ½ HP unit.

SPECIFICATIONS

Model	HP	Voltage 3-PH	Water Capacity	CFM	Number Inlets	Inlet Dia.	Filter Qty	Filter Model	Overall Dim. W x D x H in.
DCW.4075	7 1/2	230/460	200 Gal	3800	2	8"	2	554	68 x 60 x 110
DCW.4130	3	230/460	75 Gal	1500	1	6"	1	550	37 x 38 x 66

Dealer Contact:



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 info@kea4cleanair.com
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