

# Dust Collection



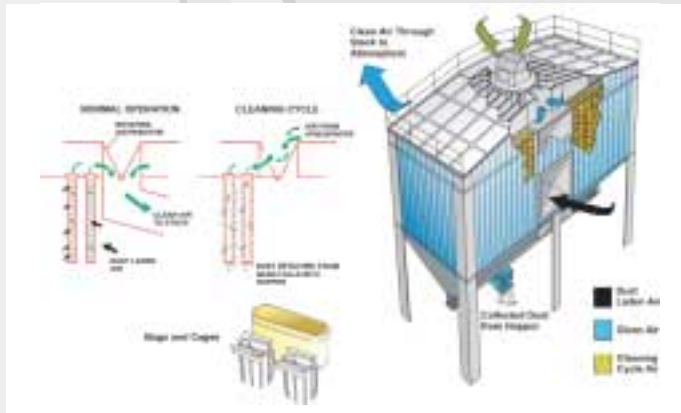
Mobile Bag Filter Unit

## Bag Filters

Designed using the True Clean reverse air system, which eliminates the need for a separate compressor for cleaning down the bags. Efficient cleaning is achieved by an indexing distributor which induces a reverse flow of atmospheric air through the bags. The air causes the bags to expand and release any collected dust which falls to a bottom hopper. This method is efficient and offers extended bag life with low maintenance and noise levels.



Mobile Bag Filter unit with free standing exhaust stack



Schematic showing Bag Filter Operation



Primary Inertial Skimmer and Bag Filter

**Dust Conditioner**  
Designed to wet condition the collected dust from the bag filter and convert it into a form suitable for open lorry loading. Twin contra-rotating shafts with angled blades to ensure a thorough mixing of dust and water.



## Features

- Reverse air bag cleaning with True Clean unit
- Corrosion resistant metal cages and high temperature bags
- Guaranteed emission levels less than 10 mg/m<sup>3</sup>
- Static or mobile design
- Optional cleaning air booster fan for difficult applications
- Quality engineered-microprocessor control

## Range of True Clean Bag Filters

Bag filter size	TC 96	TC 128	TC 180	TC 240	TC 340	TC 440	TC 560	TC 860
Total plant air (m <sup>3</sup> /hr)	18,960	26,245	36,730	51,435	72,590	93,445	118,760	145,130
Filter area sq m <sup>2</sup>	235	314	441	588	833	1,078	1,372	1,666
Filtration velocity m/min	1.3	1.4	1.4	1.5	1.5	1.44	1.44	1.45
Number of bags	96	128	180	240	340	440	560	680
Cleaning mechanism no x dia	1 x 900	1 x 900	1 x 1200	1 x 1200	1 x 1500	1 x 1500	2 x 1400	2 x 1400
Trough hopper drive kW	PYRAMID	PYRAMID	PYRAMID	PYRAMID	5.5	7.5	7.5	11
Exhaust fan power (filter) kW	30	37	45	75	90	110	132	185

Note: All Phoenix bag filters are fitted with inverters which give far greater plant efficiency, control and reduce running costs.



## TechSpec 1\_10

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