

PARTICLE SATURATOR

The Particle Saturator is proven to effectively and efficiently capture dust particles from breaching applications that are otherwise released into the air. It is easy to clean, and unlike traditional dust collection systems, the Particle Saturator does not require measures to counteract explosion hazards. Fluid Flow's Particle Saturators are available in multiple sizes to address varying particle removal needs.



WHY USE THE PARTICLE SATURATOR?

- To eliminate employee health hazards caused by breathing dust particles
- To prevent cross-contamination of allergens
- To reduce sanitation challenges created by airborne breaching dust collecting on overhead structures and air units

WHO USES THE PARTICLE SATURATOR?

- Meat and Poultry Plants
- Marinating Operations
- Dry Ingredient Suppliers

HOW THE PARTICLE SATURATOR WORKS

- Instantly saturates dust particles entering the unit
- Slowly drafts airborne particles into a filter
- Requires equipment to be covered with collection ports to attach hoses
- Mounts to equipment or floor stand
- Air blower can deliver product air for removal of excess ingredient if required

PARTICLE SATURATOR BENEFITS

- Compact design combines dust removal & air knife requirements into one unit
- Cost-effective compared to current solutions
- Low cost of operation
- Does not require permanent overhead piping or duct work that could be an explosion hazard, trip hazard or sanitation challenge
- Does not have combustion chamber air that requires explosion control measures
- The Particle Saturator does not contain bag house, air locks, disposal cans, sock filters, or air cannons like house systems
- Cleaning is simple – remove the stainless filter to pressure wash it
- In-house personnel can complete installation in about 2 hours
- Multiple mounting configurations are available including: Swing Out, Slide Out & Roll Around Cart

TECHNICAL SPECIFICATIONS

MODEL	HP	Gal/Hr	CFM	AIR KNIFE	ELECTRIC	DIMENSIONS (Inches)	WEIGHT (Pounds)
440	1/2	1.9	440	NO	120 V	16 X 16 X 36	378
880	1	1.9	880	YES	120 V	16 X 16 X 36	412
1250	1.5	1.9	1250	YES	120 V	16 X 16 X 38	443
2500	3	1.9	2500	YES	3/60/230-460	18 X 18 X 40	582

