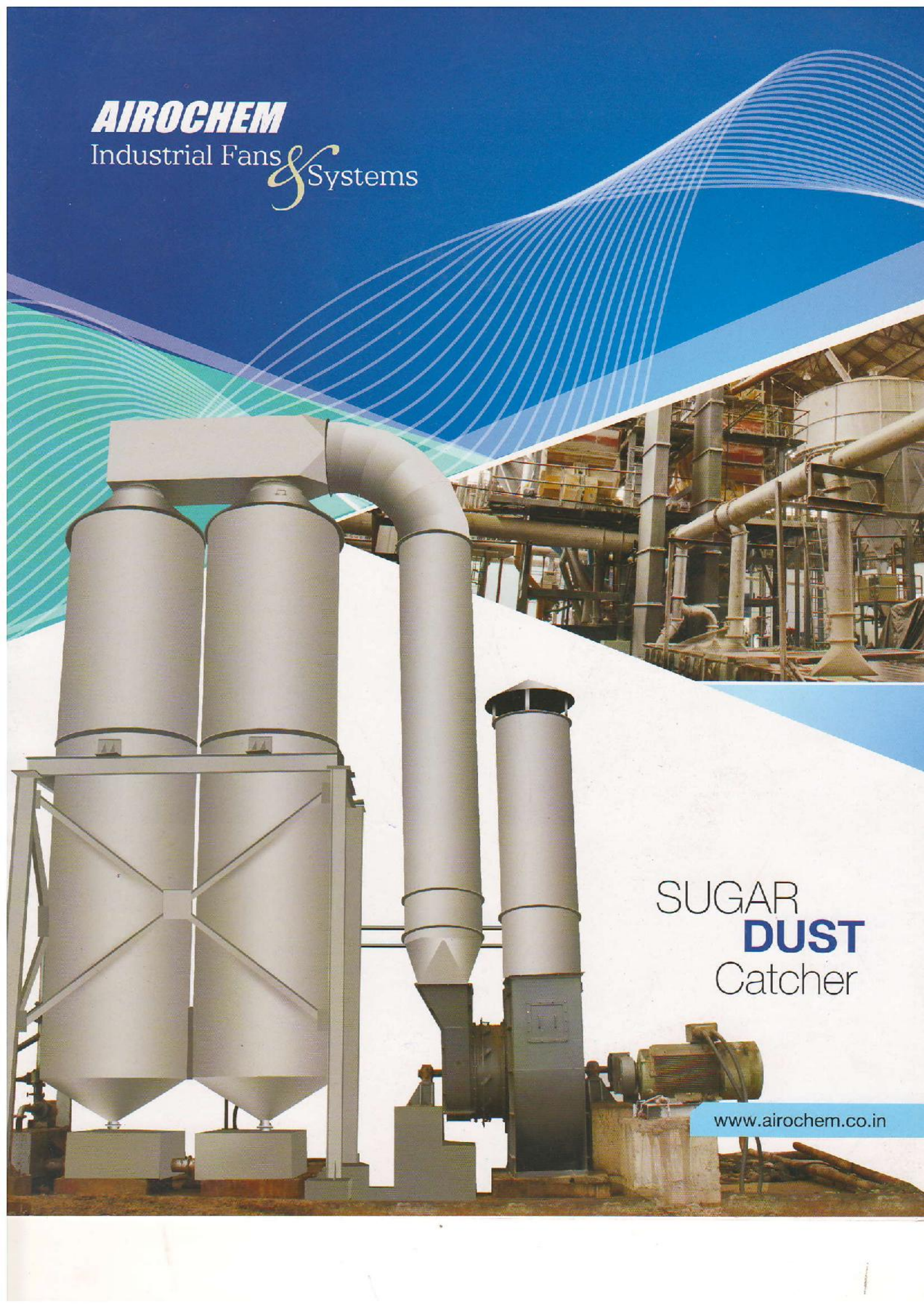


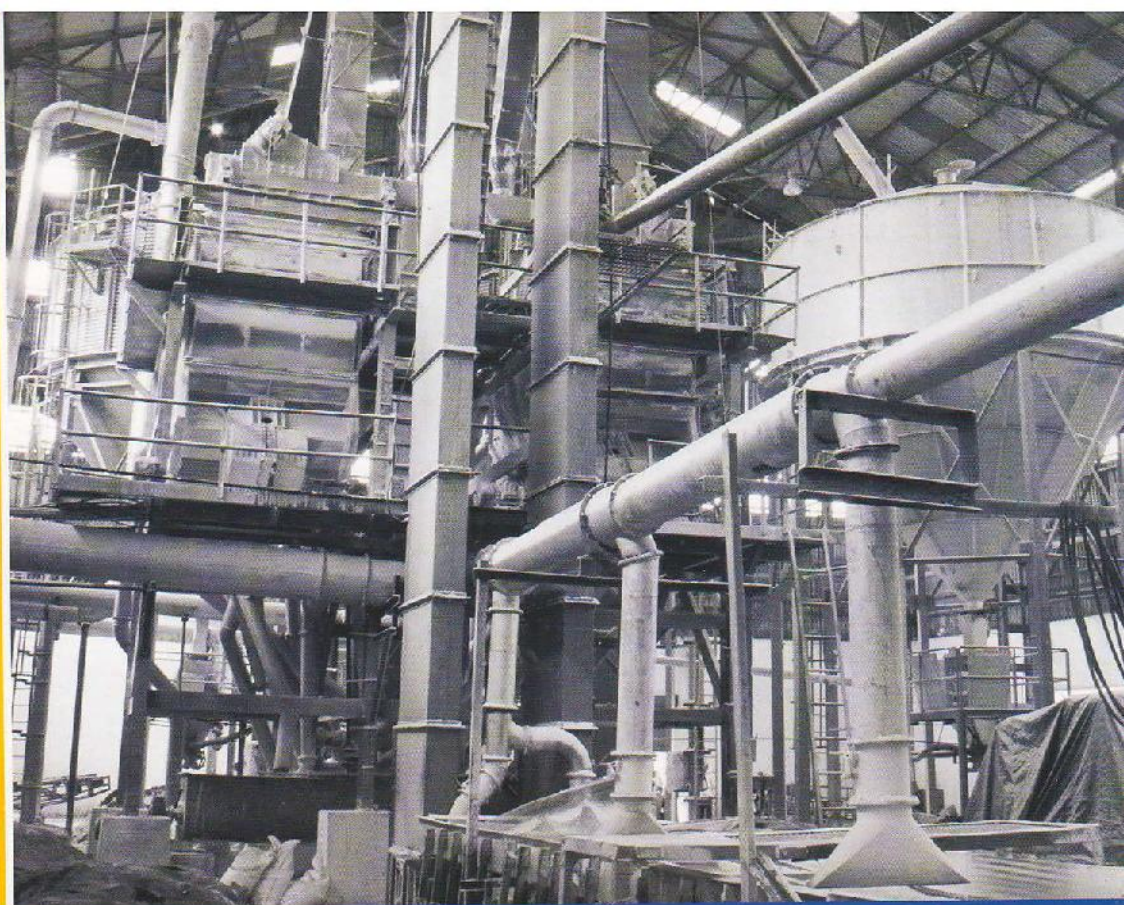
AIROCHEM
Industrial Fans & Systems



SUGAR
DUST
Catcher

www.airochem.co.in

SUGAR DUST COLLECTOR



INTRODUCTION

AIROCHEM has manufactured various types of sugar dust collector systems and supplied to many sugar mills in India and abroad.

The most effective and economical is dry cyclone followed by ventury wet scrubber as final control device.

This combination avoids all pitfalls experienced by us previously, like fermentation, saturation of liquor and deposition of dust over fan blades.

AIROCHEM scrubbers are provided with low loss ventury, with tall separation vessel, which collect dust effectively.

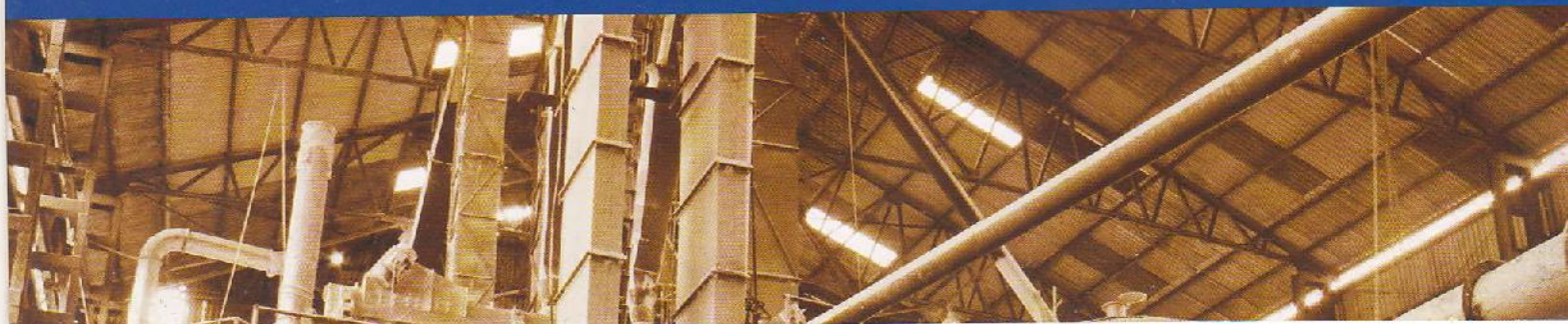
Our experience with these systems reveal that sugar dust collected is 0.01% of cane crushed per day.

A 10000 tcd plant collects about 1000kg sugar dust per day.

However, the main aim for providing sugar dust collector is always pollution control.

Sugar dust collector also keep sugar house clean and enhances productivity.

Flying sugar dust is a major fire hazard. So, installation of Sugar Dust collector also reduces the risk of fire in Sugar House.



DESIGN FEATURES

- 1 The exhaust rates are determined as per the "MANUAL OF RECOMMENDED PRACTICES" by American Council of Industrial Hygienists Association.
- 2 Uses blast gate controlled, constant transport velocity method for duct layouts. Transport velocities between 18-20 m/s transports sugar dust particles without settling into the duct.
- 3 Accurate pressure drop calculations helps economical design of system.
- 4 Liberally designed Ventury Scrubber collects dust effectively, without settling on fan blades.
- 5 Very high efficient fans used with proper blades , exhaust air without settlement of dust on blades. Fan is a heart of system and AIROCHEM makes it with care, for specific operations and offer the best design.

LIST OF CLIENTS

- 1 M/s. The Ugar Sugar Works Ltd., (1No.)
Ugar Khurd, Dist: Belgaum (Karnataka)
- 2 M/s. Datta Shetkari S S K Ltd. (1No.)
Tal. : Shirol Dist. : Kolhapur (Maharashtra)
- 3 Ryatar SSK Niyamit (1No.)
Mudhol, Dist : Bagalkot (Karnataka)
- 4 M/s. Krishna S S K Ltd. (1No.)
Tal: Karad, Dist: Satara(Maharashtra)
- 5 M/s. Lokmangal Group Sugar Factories (2Nos.) (At both sites)
Dist: Solapur(Maharashtra)
- 6 M/s. Walchandnagar Industries Ltd. (2Nos.)
Pune. For project- Indreshwar S S K Ltd.(Dist: Solapur) & Bhairavnath Sugar
- 7 M/s. Thyssen Krupps India Ltd. (2Nos.)
Pune. For projects-West Kenya Sugar(Kenya) & M/s. Enagro(Colombia); South America

Products Manufactured At AIROCHEM

- ✧ Induced & Forced Draft Fans for Boilers.
- ✧ Centrifugal Ventilation Fans.
- ✧ Centrifugal Blowers.
- ✧ Multistage Centrifugal Blowers.
- ✧ Axial Flow Fans.
- ✧ Multistage Axial Flow Fans.
- ✧ Industrial Mancoolers.
- ✧ High Efficiency Dry Cyclone & Multiclone Collectors.
- ✧ Louvered Cone Fly Ash Arresters (Low loss type).
- ✧ Pulse Air jet Bag Filters.
- ✧ Gas Scrubbers.
- ✧ Rotary Air Lock Valves.
- ✧ Diverter Valves.

PROJECTS EXECUTION ON TURNKEY BASIS AT AIROCHEM

- ✧ Dust Extraction Systems.
- ✧ Dry Fog dust Suppression Systems.
- ✧ Fume Control Systems.
- ✧ Process Air Heating & Cooling Systems.
- ✧ Pneumatic Conveying Systems.
- ✧ Comfort Ventilation Systems,
- ✧ Room Pressurization Systems.
- ✧ Air Washer Installations.
- ✧ Fly Ash Collection Systems.
- ✧ Sugar Grader Dust Collection Systems.
- ✧ Drying systems for food & chemical Products.
- ✧ Silencers and Acoustic Enclosures.