

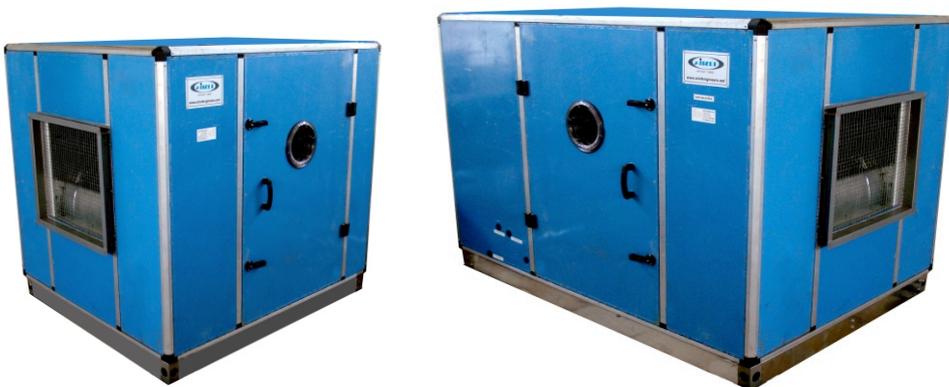


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## COMMERCIAL KITCHEN VENTILATION SYSTEM

Double skin | Floor mounted | Energy efficient



Choose your air.

# COMMERCIAL KITCHEN VENTILATION SYSTEM

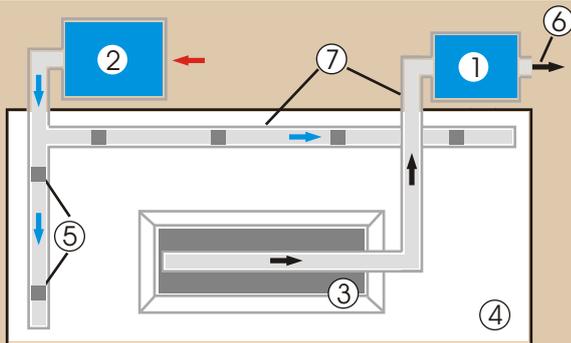
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## GENERAL DESCRIPTION

The science of commercial kitchen ventilation includes exhausting greasy, smoky air and odor as well as providing cool and hygienic, fresh replacement air within the kitchen area. It includes moving large volumes of air through duct-work and the equipment used to do so require to be highly engineered, designed with precision, to perform efficiently, maintaining comfortable ambient conditions while keeping the decibel levels to the least.

These units are designed and manufactured, considering the most significant factors affecting the quality of indoor air. The units are designed for rigid, compact construction and quiet operation.

## INDICATIVE ARRANGEMENT (Top view)



### Index

- 1 - Exhaust Blower Unit
- 2 - Evaporative Cooling Unit (Fresh air unit/Air washer)
- 3 - Exhaust Hood over burners
- 4 - Kitchen working area
- 5 - Fresh air supply grills
- 6 - Exhausted air outlet to atmosphere
- 7 - Duct-work for air movement

*Our scope of supply shall include the exhaust blower units and the evaporative cooling units only.*

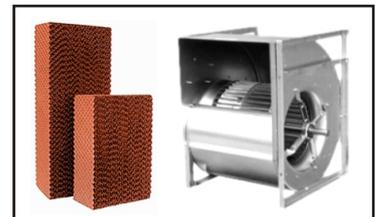
**RANGE :** 2000 CFM to 60000 CFM.

## CONSTRUCTIONAL FEATURES

FRAME	:	Extruded Aluminum profile and 3D nylon corners etc.
BASE	:	Heavy gauge base frame with cast Al corners
CASING	:	23 ± 2 mm thick, double skin panels made of 0.6 mm sheets with Poly Urethane Foam (PUF) of density 38 ± 2 kg/cu.m injected between the two skins
BLOWERS	:	AMCA certified DIDW type, centrifugal blowers, Common-rail base for blower-motor assembly on vibration isolation pads
MOTORS	:	TEFC type, Three phase motors of standard make
MOTOR STAND	:	Adjustable motor-mounting fixture
PULLEYS	:	Adjustable Taper-Bush type pulleys
CANVAS CONNECTION	:	Flexible connection to isolate blower from unit body

### *In Evaporative Cooling Units*

COOLING PADS	:	Cellulose paper pad 200 mm thick
FILTERS	:	Synthetic, cleanable pre filters
OTHER	:	GSS Sump with socket connections, Pump etc.



**CELLULOSE PADS :** The cross-sectional pads, specially treated flute media, are used in evaporative cooling units and are capable of absorbing and retaining water to provide maximum cooling efficiencies. Pads are cross-corrugated to maximize the mixing of air and water and eliminate the excess water carried over.

**APPLICATIONS :** Commercial kitchens, Warehouses, Generator rooms, Packing Halls, Chemical industries, Toilets, Printing presses, Pharmaceutical industries etc.



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