

ARMEC® JET® TOWERS



An ISO 9001-2008 Certified Company



ARMEC®
JET
TOWERS

CAPACITY OFFERED

Single Cell

1 M³ / Hr to 2000 M³ / Hr

Multi Cell

Any Capacity

WORKING PRINCIPLE

ARMEC Jet Towers are based on Liquid Jet Technology™ "Invented" and "Mastered" by Armec Technocrats. The air movement is induced with the help of water jets. (See diagram extreme right.)

MATERIAL OF CONSTRUCTION

ARMEC Jet Towers are made of Heavy Duty Channels, TEE sections and Angles. All steel members are FRP lined.

Unique features:

- FRP lining on vertical structure is truly an ARMEC innovation.
- The louvers are of moulded FRP, jet sprays are of nylon-6 and are attached to GI/SS piping in a ring pattern to create maximum air induction.

ARMEC Jet Towers are

- Saving "TONS" of money for our esteem end users on continuous basis.
- Manufactured for extreme ambient conditions of hot & humid seasons.
- Dream product for the industry, especially in the area of automated plants where "Zero maintenance man hours" are highly desired.
- Without Fan, Hub / Cylinder, Gear Box, Drive Shaft, Motor and Sprinkler.
- Without Fills. These fills need periodic cleaning/replacement.
- Of no vibration and less man hours makes them truly a fit and rest speciality.

ARMEC®
JET
TOWERS

With more than 6,000 installations & with indigenous development of "Latest" industrial products based on marvelous "Liquid Jet Technology™", ARMEC has firmly established Jet Technology and its wide spread usage.



**ARMEC®
JET
TOWERS**

are completely devoid of fan and fills and yet process water cooling is performed at a constant speed efficiently and with practically "No Maintenance" for years together.



Energy saving hence money earning

FAQs

Oh ... So It Is A Natural Draught Cooling Tower?

No !!!! It is an induced draught cooling tower of a much better design. It has total control over incoming " Induced " air & clear path for out going air. It does not depend on mother nature to " Push & Pull " air out of cooling tower.

How much Delta - T is possible?

Obviously DELTA - T will match your rise in system temperature. Jet Towers are designed for DELTA - T of 4° C till DELTA - T of 20° C and above.

What about evaporation losses, are they more?

Evaporation cooling is the very basis on which all cooling towers work. For all good designed cooling towers evaporation losses for specific application are the same, necessary and constant.

So Drift Losses must be more?

No!! Better designed FRP Drift Eliminators, easy to handle escape air velocities & Innovative layouts have made Losses negligible.

How do I specify my requirement?

1. Application and its capacity.
2. Heat load in Kcal/hr.
3. Water flow in M³/hr.
4. Supply water (Cold Water) Temperature.
5. Return water (Hot Water) coming out from system.
6. Wet Bulb temperature near Cooling Tower location.
7. Maximum ambient temperature in your area.
8. Location and space available.

APPLICATIONS

- **CHEMICAL PROCESS:**
 - Jacket and Heat Exchanger.
 - Distillery/Ethanol (Power Alcohol).
 - MULTIJET/PAN Application: Sugar Process.
 - Condensers/Steam Jet Ejectors
- **POWER GENERATION**
 - Co-gen/ Captive power plants:
 1. Steam Turbine Sets.
 2. Diesel Generator Sets.
 3. Gas Turbine Sets.
 4. Auxilliary Cooling
- **UTILITY**
 - Air Conditioning and Refrigeration.
 - Air Compressor
 - Hydraulic Machines and Power Packs.
- **MECHANICAL & ELECTRICAL EQUIPMENT :**
 - Induction Furnace
 - Aluminium Die Casting Machines.
 - Plastic Machines.
 - Injection Moulding
 - Blow Moulding
 - Extrusions
 - Auxilliary Equipment Cooling.
 - Wire Drawing.
 - Quenching (Water/Oil/Polymer).
 - Ferrous and Non-Ferrous Process Cooling.
- Aeration
- Crystallising
- Effluent Cooling
- Condensate & recycling (Zero Make-up/Zero Discharge System)



PRESENTING
THE FUTURE
TECHNOLOGY...

FOR
PROCESS
COOLING
WATER

ARMEC® JET® TOWERS True Features



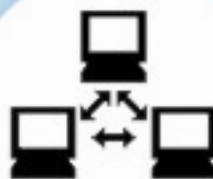
Easy Installation

Complete Cooling Tower is erected at our factory. Parts are numbered. Hence erection at client's premises is done in a very short time.



Water Saver

Louvers are especially designed to minimise drift losses.



Multiple Applications in Single Tower.

Each water distribution header can be treated as an independent Jet Tower.



Constant Efficiency

Efficiency of Jet Tower remains constant with continuous usage as water to air contact area and contact time remains unaffected.



Power Saver

Absence of fan saves total fan power.



Easy maintenance

No Mechanical Device/Moving part, hence no regular maintenance.
No Choking part, hence no frequent maintenance.

For further details contact.



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Our Associates :

Armec Marketing is probably the only company which offers Jet Tower Technology at an unbelievable low cost.