



Hudson Fin-Fanner®

Fin-Fan® Air Cooled Exchangers and Tuf-Lite® /Cofimco Axial Flow Fans

www.hudsonproducts.com

Spring 2011

Industry News

Business is picking up! Despite a 2 year global slowdown, energy markets have been busy notably in the Middle East along with LNG activity in the Asia Pacific. New opportunities for air coolers are a result of shale gas developments (a global energy balance game changer), coal bed methane development, and carbon capture and storage projects.

New Canadian Facility

Hudson is now expanding to a brand new, specially designed Fin-Fan® facility just outside of Edmonton, Alberta. We will include a tube finning facility and offer bundle repair and re-tube services. Larger yard space will be available for upcoming Alberta oil sands activity.

New Cofimco Facility in India

Our Cofimco fan division is building a new manufacturing facility in Chennai, India to service the regional market with their high performance axial fan products. Also the UltraLow Noise CX blade production continues to grow at record pace as noise issues become more prevalent globally.

Company Updates

Our new President and CEO, Mr. Grady Walker, joined us in September 2010 with an extensive engineering and management background both from the end user side and packaged processing equipment sector. His global energy market experience will greatly benefit Hudson's growth outside of North America as well as ensure our product advancements continue to be market firsts. New Sales and Project Management VP Mr. Bob Giammaruti now manages the thermal design, proposal preparation and project

management groups from our Sugar Land offices.

Also Mr. Steve Boes joins us as our new "Americas" Director of Sales and Marketing for our Hudson and Smithco brands. His extensive background in engineering and sales with our Smithco affiliate brings invaluable experience and technical expertise to our team.

Zamil Hudson Company Ltd.

Our Zamil Hudson joint venture in Saudi Arabia continues to grow with a number of projects successfully completed for Saudi Arabia, Malaysia, Yemen and Pakistan. Our Damman based engineering services team continues to successfully trouble shoot existing air cooler installations in the GCC region. Our talented team can fix your cooling problems.



We welcomed Mr. Fawaz Khulaiwi to our team as a trainee from Saudi Aramco. He soon became a part of our family learning our business and imparting his own talents and special Arabian congeniality to our engineering groups. We have plans to host additional trainees in 2011.

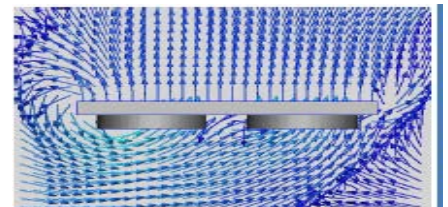
Changes in the Sales Team

Sam Chapple will resume the Canadian marketing activities for the Hudson/Smithco brands. We have also added a number of sales

representatives globally and our list is updated regularly on our website.

Performance Tips

The top three design faults causing poor cooler performance are the use of inefficient fan designs, poor finned tube conductivity, and hot air recirculation (HAR). HAR is caused by a number of factors, insufficient intake area or cooler elevation causing high inlet velocities, or inadequate spacing between coolers or other equipment. Hudson has used Computational Fluid Dynamics technology for years to predict problems that may occur in a new plant as well as troubleshoot existing facilities. We can offer suggestions for rectifying these problems. HAR is a significant operational condition, and just one degree of loss on the ambient temperature can result in exponential cooling losses. Often the solution is lower in cost than the actual evaluation. The strategic placement of baffles, air seals or partitions is often all that is needed to cure the problem. Also the recirculation can defy logic as shown below with a West to East wind causing hot air recirculation (buoyancy) at the leading edge as well as on the down-wind side of the cooler.



For further information on any of these topics please contact us.

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