

Increase Mass Flow Increase Cash Flow



17309 E. Pine St.
Tulsa, OK 74116

Toll Free: 800-913-6810
International: 1-918-770-7190

ECOChill™

De-bottleneck your air compressor affordably.

Increase Process Production up to 8 Percent Annually

As temperatures rise, your compressor's performance suffers, resulting in lost time and decreased production, ultimately affecting your bottom line. We've developed an inlet cooling process that improves production by up to 8 percent annually, no matter the temperature.

The ECOChill Solution

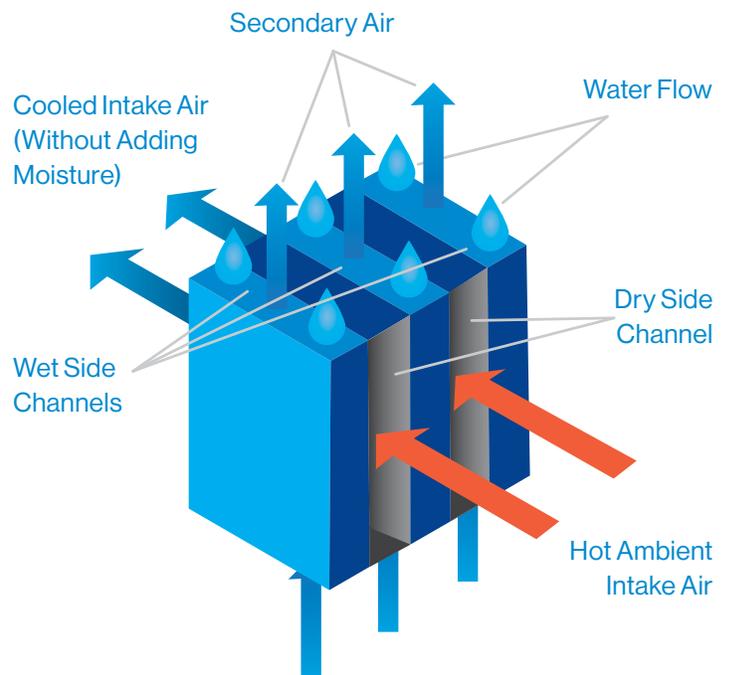
ECOChill is a breakthrough in suction air chilling, using our patented hybrid indirect evaporative process, called The Everest Cycle®. This integrated hybrid system delivers efficient, economical chilling in all climate conditions by increasing air compressor mass flow. This increases production by up to 8 percent annually, and the cooled air removes more than 50 percent of the entrained moisture prior to compression.

- Modular Solution Available in Less Than 6 Months
- Removes More Than 50 Percent of Entrained Moisture
- Modular System, Rated for Hazardous Areas

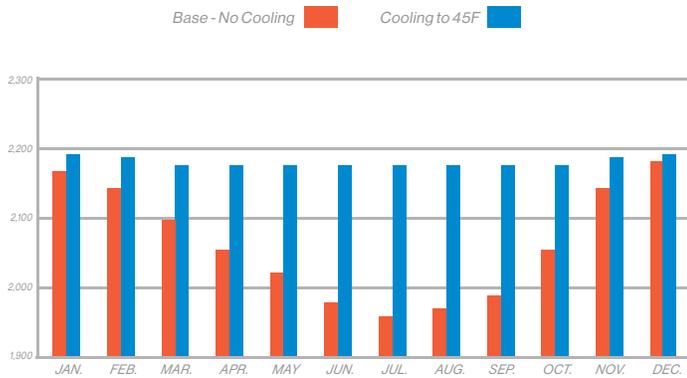
How it Works

With an Everest Sciences system, warm air goes in and cool air comes out, without much energy used in between. We use a combination of indirect evaporation and mechanical chilling to cool ambient air before it enters your air compressor.

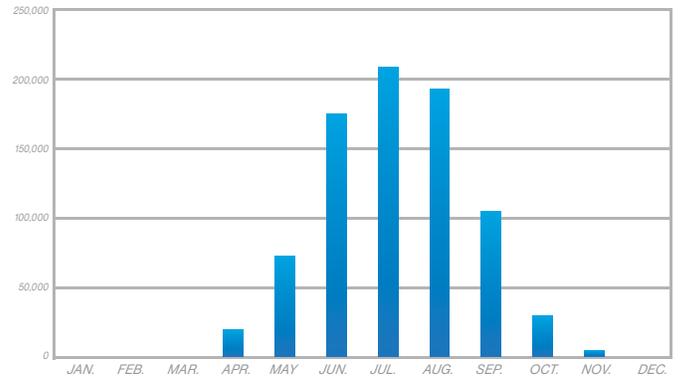
This cooler, denser air increases the overall mass flow, resulting in improved efficiency and increased production. Additionally, our automated systems provide a constant output, so your airflow – and revenue – stays consistent, no matter the air temperature.



Daily Ammonia Production (Tons)



Water Removed from Air Stream (Gallons)



RESULTS BASED ON TULSA, OK.



Improved System Operations

Everest Sciences' hybrid indirect evaporative system efficiently chills incoming air while eliminating entrained moisture early in the process. Our modular system includes two-stage air filtration to reduce the potential of contamination. The combination of moisture elimination and increased air density increases the efficiency of your air compressors, reducing energy usage per pound of air compressed.

Simple Installation and Operation

Modular components are quick to install and require no modification to your air compressor – meaning you can get back to production quickly. Once our products are in place, you're back in operation – they're fully integrated with your controls and require very little user training and maintenance.

Dramatic Increase in Air Compressor Mass Flow

Suction air chilling provides a constant inlet temperature as low as 45 degrees Fahrenheit. This reduced temperature increases the mass flow and production by more than 15 percent on hot days. In many locations, this can equate to almost 8 percent more production annually.

