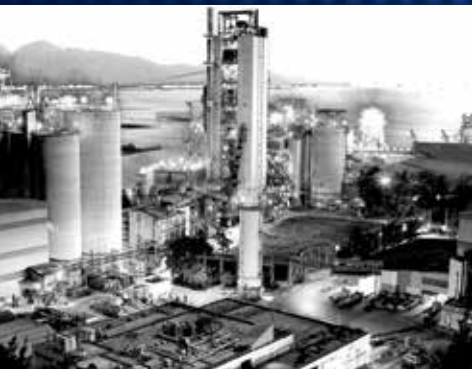


Represented by THERMOFLO Equipment Company
For assistance please call 918-252-9333

The logo for Daltec Process Fans features a stylized 'D' on the left, composed of two curved, overlapping shapes in red and orange. To the right of the 'D', the word 'DALTEC' is written in a large, white, sans-serif font. Below 'DALTEC', the words 'PROCESS FANS' are written in a smaller, white, sans-serif font.

DALTEC

PROCESS FANS



Everything Starts With A Process...

Start With Daltec Process Fans

INNOVATIVE PROCESS SOLUTIONS

Meeting the Global demand for resources relies upon a wide range of process industries. No matter the resource, fans play an important role in the process. Often they are the critical item in the system, a system that simply cannot be allowed to go down for any period of time. The reputations of process systems providers are made upon the reliability and performance of the projects they provide. For this reason it is essential that the critical components you choose are designed and built to meet the highest standards of reliability and performance.

Daltec Process Fans' business philosophy enables us to provide a truly custom engineered product for your specific requirements. This allows us to go from Contract Review to Design to Fabrication with great efficiency saving valuable time with today's fast paced projects, providing a first class quality product with the best delivery lead times and competitive pricing in the industry.

Daltec Process Fans' key market strategy and objective is to offer the most efficient equipment selection available that is both conservatively rated and specifically designed for the application considering all process and environmental factors. We look closer at the system to learn more about the process, and any factors that we can address with built in design considerations including the expected time equipment will operate at each of the specified points.

DESIGN FEATURES

- **API 560, API 673,** & Project Specific Process Specifications
- **High Pressure Fans** - Up to 250 inWg Single Stage
- **Anti-Corrosion Designs** - Stainless Steel, Duplex Alloys, Hastelloy, Inconel, Titanium, FRP
- **Anti-Abrasion Designs** - Hardened Alloy Steels, Chromium and Tungsten Carbide Plate, Advance Sealing
- Fan Impellers up to **130" diameter.**
- **High Temperature** construction up to 1250 deg. F
- **Rapid Temp-Rise** of up to 150 deg. F/minute
- **Design Analysis** including FEA static & dynamic, CFD, Torsional & Critical Speed, Modal Vibration



HRSG Dilution Air Fan- Bolivia

DIAF 691 SR. 3096 SWSI, Airfoil Bladed Draft Fan, Arrangement 3A

Performance: 120,555 cfm, 35.0 in wg SP,
100 F° Density 0.0675 lb/ft³, 1475 rpm, 734 BHP

PRODUCT RANGE

D-Series Centrifugal Fans and Accessories

- Airfoil, Backward Curve/Inclined, Forward Curved Radial Tip, and Radial Bladed Open/Shrouded
- ILD, OLD and VIV dampers arrangements.
- Electric, Steam turbine, industrial diesel/propane, driven
- Gear reduction drive trains and Variable Speed fluid couplings
- Inertia bases, Vibration Isolators and Flexible Connectors for reduction in force transmission to surrounding structures due to fan vibrations.

DVA - Heavy Duty Vane Axial Fans

- Auxiliary Mining Ventilation, Flare Stacks, Turbine Exhaust
- Silencers, Backdraft Dampers, Spun Inlet Bells, Screens
- Various Vertical and Horizontal Mounting Configurations

Special Application Pre-Engineered Fans

- AF/BC/BI and IE fans pre-engineered with carbon and stainless steels; API 560/673 features

DEDICATED CONTRACT MANAGEMENT

No matter the size of the project, *Daltec Process Fans Contract Management* team provides the highest level of project control, surveillance and communication. Acting as the Clients In-House Representative, our Contract Managers guarantee that each project is conducted and completed to the Client's satisfaction. They utilize strict

- Document Control policies and procedures,
- ERP, Purchase Control, Vendor Management,
- Scheduling Tools

that ensure timely and accurate client communication. With over 50 years combined experience completing custom process projects our Contract Management Team has overcome every conceivable project challenge; including precise in-process inspection and documentation, coordinating multiple discipline supply scope, intermodal domestic and international shipping and handling and coordination of on-site Installation Supervision, Commissioning and Testing requirements.



FD FAN - MINERAL SALTS - USA
DRBS 1700 SR. 53 SWSI, Radial Bladed Draft Fan, Arrangement 7B
Performance: 63,000 cfm, 67.0 in wg SP, Den. 0.0638 lb/ft³, 1785 rpm and 901 BHP



RECIRCULATED OVER FIRE AIR - USA
DRBS 2316 SR.47 SWSI, Radial Bladed Draft Fan, Arrangement 7B
Performance: 92,000 cfm, 29.0 in wg SP, 650 F°
Density 0.034 lb/ft³, 1190 rpm and 602 BHP

ENGINEERED ROTOR RETRO-FITS, REBUILDS, AND REPAIRS

Severe applications as often found in Steel Mills, Cement Plants and many other industries can cause the best designed fans to fail due to erosion, corrosion and fatigue.

Rebuilding or repairing can be a fast and economical means to overcome the difficulties of the breakdown; often upgrades can be incorporated into the repair, which will allow for extended and more efficient operation. We utilize the latest in CAD and FEA technology to model the Fan, and Impeller calculating stress levels and optimizing material selections. We can perform a frequency analysis to ensure natural frequencies are well removed from operating speeds and other sensitive frequencies like a 2x and blade pass. This is also confirmed by a Bump test in the shop after fabrication. We solve complex fan problems and utilize Fan Systems by considering all components in the system including modeling the entire rotating assembly including the bearing pedestals to determine the system design resonant speed, and performing a Torsional Analysis of the complete drive train. This ensures a safe, reliable, and trouble free installation.

It is extremely important to find a source of expertise as it relates to fan Retrofit, Rebuild and Repair, so that when a breakdown does occur, the client has the confidence to know that the company hired will fix the problem in a fast, efficient and professional manner.

Daltec Process Fans...is that source.

Whether it is *Daltec Process Fans* original product or the product from another fan manufacturer, we can provide a full range of rebuild services, including:

- Site visits to ascertain the best course of action.
- On site inspection of the fan components to determine which items may require rebuilding.
- Full engineering capabilities.
- NDT testing.
- Welding and Quality Assurance to internationally recognized standards.
- Emergency breakdown services.
- Static and Dynamic balancing to the tightest tolerances.
- In place Repair and Rebuilding.



PELLETIZING PLANT - BAHRAIN
130" dia. Backward Inclined,
DWDI ASTM A514 Gr. S High Strength Steel
Wear Protection: Chromium Carbide

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THERMOFLO Equipment Co.
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465 Laird Rd, Guelph, ON N1G 4W1
Tel: (519) 837-1921 Fax: (519) 837-2380

1-888-532-5832
www.daltecfans.com