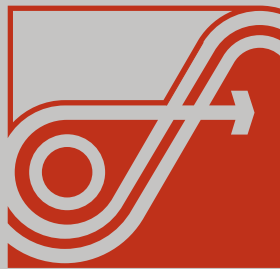


# High Temperature Industrial Fans



**DANIELS  
FANS**

A Cincinnati Fan Company

# Experience

## Gas tight construction

Jet cooler fan with integral air/water heat exchanger and H<sub>2</sub>/N<sub>2</sub> atmosphere



Founded in 1977, Daniels Fans is a leading supplier to furnace manufacturers world wide.

Daniels Fans has a continuous program of product development and works closely with clients to help improve furnace performance.

Our computerized fan selection program calculates the optimum fan size and speed based on the customer's performance and drive criteria.

Skilled service engineers are available to go anywhere in the world to provide installation supervision, commissioning or maintenance. Customer support and quick response to inquiries is a management priority.



## Compact installation

Fully insulated construction for vertical inlet duct (1100° F)



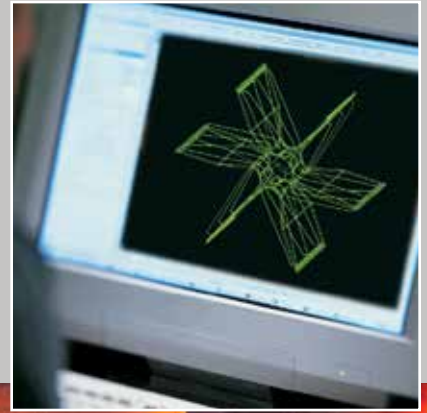
## Direct coupling for reduced maintenance

Heavy duty plug unit with diffuser box for aluminium heat treatment furnace (1200° F)





# Innovation



Daniels Fans is a leading manufacturer of high temperature fans with many thousands supplied to furnace manufacturers world-wide.

Starting from individual client requirements the selection and design of the fan is entirely computer based allowing rapid response.

2D and 3D drawings are prepared using the latest state-of-the-art CAD software.

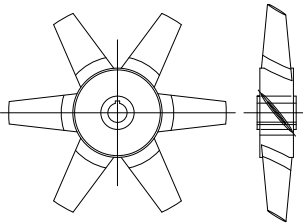
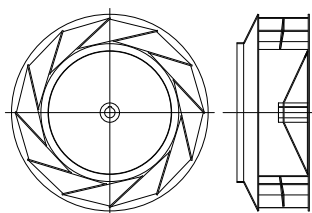
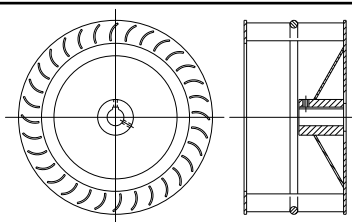
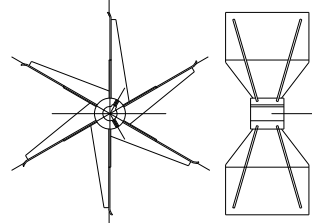
Manufacture, Quality Control, testing and dynamic balancing are all in-house. Computer controlled component cutting and machining ensure a high degree of dimensional accuracy.

Each fan has its individual number, a complete design/manufacturing record and associated test, balance and material documentation.





# Product Range

		Performance	Construction
	<b>AFP</b> 6 Blades Axial 24 - 72 inches	Volume - Up to 118,000 CFM Static Pressure - Up to 4" @ 70° F Maximum Temperature 1750° F	Plug unit with inlet assembly
	<b>BIF</b> 12 Blades Backward inclined 12.25 - 79 inches	Volume - Up to 440,000 CFM Static Pressure - Up to 40" @ 70° F Maximum Temperature 1650° F	Uninsulated fan Insulated Fan Plug unit with: <ul style="list-style-type: none"> <li>• Scroll Housing</li> <li>• Diffuser</li> <li>• No housing</li> </ul>
	<b>MFC</b> Multi blade Forward curved 12.25 - 73 inches	Volume - Up to 175,000 CFM Static Pressure - Up to 16" @ 70° F Maximum Temperature 1650° F	Uninsulated fan Insulated Fan Plug unit with: <ul style="list-style-type: none"> <li>• Scroll Housing</li> <li>• Diffuser</li> </ul>
	<b>OPB</b> 6 Blades Straight radial 14 - 102 inches	Volume - Up to 145,000 CFM Static Pressure - Up to 80" @ 70° F Maximum Temperature 2200 F	Uninsulated fan Insulated Fan Plug unit with: <ul style="list-style-type: none"> <li>• Scroll Housing</li> <li>• Diffuser</li> <li>• No housing</li> </ul>



# Features

**Unique furnace load configuration**  
Reversible axial flow plug unit (1200° F)



- Operating temperatures to 2200° F
- High efficiency impellers to 79 inches diameter
- V-belt drive / direct drive
- Single or double outlet housings
- Reversible axial flow units
- Gas tight construction
- Flexible connectors
- Can design to client specific dimensional and performance requirements
- Air cooled shafts up to 2200° F - no water cooling required
- Withdraw plug unit without removing impeller
- Housing designs that maximize impeller performance
- Design of fan module as integral part of furnace roof or wall to minimize assembly time and cost
- High quality insulation protecting standard off-the- shelf bearings



**Modular design**  
Plug unit with scroll housing integrated into furnace roof section (1830° F)



**Accessories available**  
Fully insulated fan with inlet and outlet flexible connectors for waste gas heat recovery system (1100° F)

**Global Supplier  
of High Temperature  
Industrial Fans**



**DANIELS  
FANS**

A Cincinnati Fan Company

For additional information, please contact:

**North America** - 7697 Snider Road, Mason OH 45040-9135

**800.628.1200**

**Outside North America** - Dafen Industrial Park, Llanelli, South Wales, UK SA14 8NS

**+44 1554 752148**

[www.danielsfans.com](http://www.danielsfans.com)

[nasales@danielsfans.com](mailto:nasales@danielsfans.com)