



## Star Fan Stacks

### Cooling Tower Fan Stacks



#### Cooling Tower Fiberglass Fan Cylinders

- Wide selection of sizes – 100 different stock profiles with custom molds available
- Resins available in general purpose or Class I or Class II Fire Retardant formulations
- Colors available in the standard Mist Gray or optional custom colors



- Hand laid with layers of woven and mat fabrics to maintain product consistency

## **Molding Makes The Difference!**

In the past, the shortcoming of most fan stacks was the inability to produce molds that would yield precise radius dimensions and fan tip clearances.

CNC machining does make a difference. We CNC our fan stack tooling to 0.001" tolerance to ensure accurate tip clearance without the need for shims or spacers. Precise fan stack radius dimensions eliminate "clover-leaving" that occurs with inaccurate tooling. All this technology results in a fan stack that is accurate and reduces installation issues, providing years of trouble-free service without the need for constant adjustment.



## **What Makes Star Fan Stacks Better Than The Competition?**

Our fan stacks are constructed using the strongest laminate schedule of any fan stack currently in the industry. The strength of the stack is evident in the laminate schedule and the overall weight of the stack. This results in more material and greater overall strength, and the additional mass results in lower harmonic frequencies. All this adds up to a fan stack that is capable of withstanding high winds and seismic loads while reducing vibration levels across the entire spectrum.

Each fan stack has horizontal and vertical ribs to ensure superior strength, and the top, bottom and side flanges are wider and thicker than our competitor's fan stacks.



- Horizontal ribs are 8" wide versus the competitor's with little or no horizontal ribbing
- Vertical ribs are 6" wide versus 5"
- Sides and top flange are 4" wide versus 2-1/2"
- Bottom flange is 6-1/2" wide versus 4-1/2"
- Sides and bottom flange is 5/16" thick versus 1/4"
- Top flange is 1/4" thick versus 3/16"
- Thickness behind rib is nominal 3/16" versus 1/8"
- Custom profiles available upon request



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