



FRP Fans for Corrosive Air Handling



10 Reasons to Buy Your FRP Fan from Verantis.

1 APPLICATION ASSISTANCE

You benefit from expert guidance in the selection of fan and resin systems to solve even your most complex problem. Our sales force is backed up by experienced engineers and technical support staff.

2 CHOICE OF FAN MODELS

You can select a Verantis centrifugal fan and choose from three impeller types to satisfy any of your air handling requirements. Our versatile axial fan can be used as an in-line duct fan or as a roof ventilator.

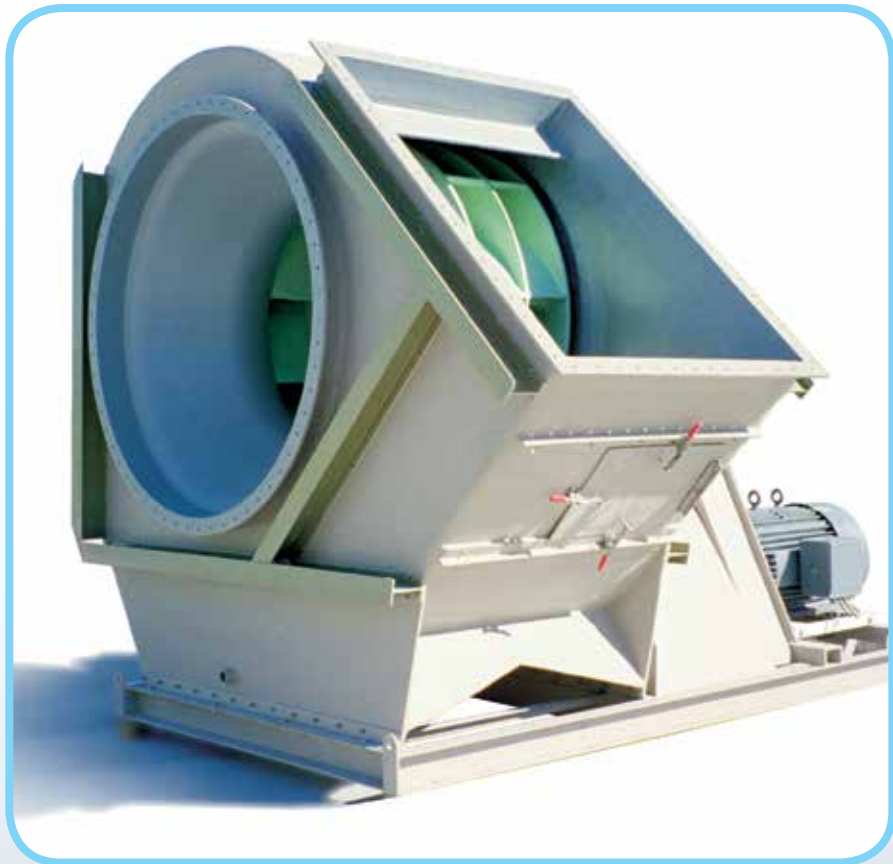


3 CHOICE OF MATERIALS

Premium corrosion-resistant resin systems having a flame spread of 25 or less are standard. Other resins are available for extremely demanding applications. Synthetic surface veil is available for hydrogen fluoride (HF) service. An internal graphite coating can be applied to exposed surfaces for applications requiring spark resistance.

4 LIGHTWEIGHT DESIGN

You can place a Verantis fan in many places where a heavier metal fan is impractical. Another benefit: structural support requirements are significantly less than for comparable steel or alloy fans.



5 **QUALITY YOU CAN TRUST**

Our stringent manufacturing standards mean you get the highest quality fan at competitive prices. We produce our fans using carefully controlled fiberglass manufacturing procedures – and conform to ASTM C582 and ASTM 4167-82 standards.

6 **NO GUESSWORK**

Every Verantis fan is tested and rated in accordance with AMCA standards. Before shipment to you, all fans are factory tested and dynamically balanced to run smoother and longer.

7 **LONG, TROUBLE FREE OPERATION**

Our fan housings and impellers utilize solid FRP laminates made of resins formulated for maximum resistance to corrosive fumes, gases and mists. Oversized shafts operate below critical speed on sealed pillow block bearings for best in class service life. Our fans are designed for operational reliability, minimum downtime and lowest operating costs. The impeller incorporates solid steel hubs which are encapsulated in FRP laminate for maximum strength, corrosion resistance and service life.

8 **COST EFFECTIVE IN MANY ENVIRONMENTS**

We are an obvious choice where conditions are severe. Fan replacement due to corrosion is virtually eliminated. It pays to consider a Verantis fan versus higher cost alloy fans in many corrosive applications.

9 SERVICE

We are committed to helping you get the maximum performance from your fans. We can assist you with installation, troubleshooting, repair, rebuilding, field balancing and alignment.

10 STRONG TRACK RECORD

Thousands of Verantis fans are serving the industry today. Your assurance is our proven record of dependability and long service in environments rated from mild to the most severe.

Verantis is focused exclusively on FRP fan development and manufacturing with over 50 years of industry leading quality and performance. Of course, there are many reasons you should buy your FRP fan from Verantis, but when you need a fan for corrosive and chemical resistant air handling, why would you settle for anything else?



CENTRIFUGAL FANS

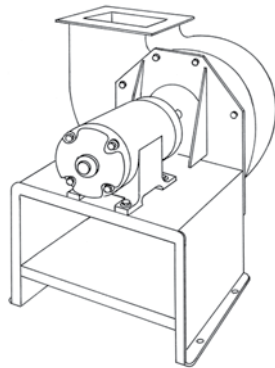
Our centrifugal fans provide optimum performance with minimal downtime. Housings are manufactured from premium-grade, fire-retardant resins that provide excellent corrosion-resistance in most chemical environments. Clockwise or counterclockwise rotation in all 8 standard discharge positions is available. The fans are available in sizes from 4" to 72" in diameter with capacities from 500 cfm to 150,000 cfm at static pressures to over 30".

SCROLL Solid FRP construction with internal mold finish. Inner surface per ASTM C582 construction for maximum corrosion-resistance. Synthetic surface veil available for HF application.

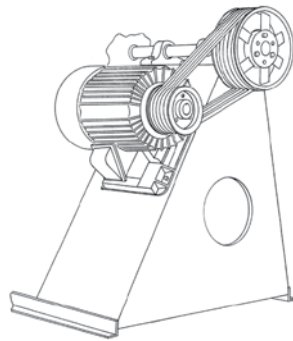


INLET Standard is plain round as shown. Options include round flange EPDM flexible connector with SS drawbands. Inlet sizes to match standard ventilation duct sizes.

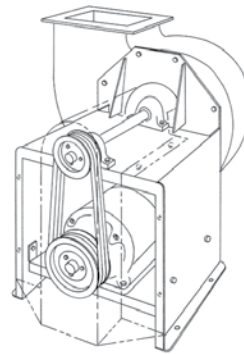
OUTLET Standard is plain rectangular. Options include rectangular flange as shown, transition from rectangular to plain round or round flange. All bolts and nuts are 316 stainless steel and encapsulated in FRP when exposed to a gas stream.



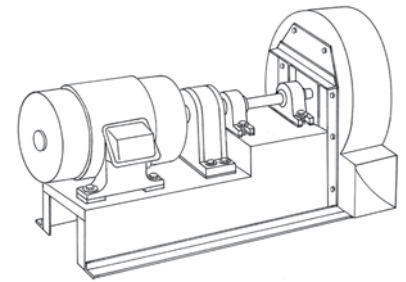
Fan Base Arrangement 4



Fan Base Arrangement 9



Fan Base Arrangement 10



Fan Base Arrangement 8

FAN BASE Smaller size fans have Arrangement 10 base. Larger fans are supplied with Arrangement 9. Heavy-gauge steel fabrication with vinyl coating is standard. Custom epoxy coatings, powder coating, galvanized or stainless steel construction can be specified for severe chemical exposure.

SHAFT SEAL Standard is Teflon® plate. Stuffing boxes or mechanical seals are available.

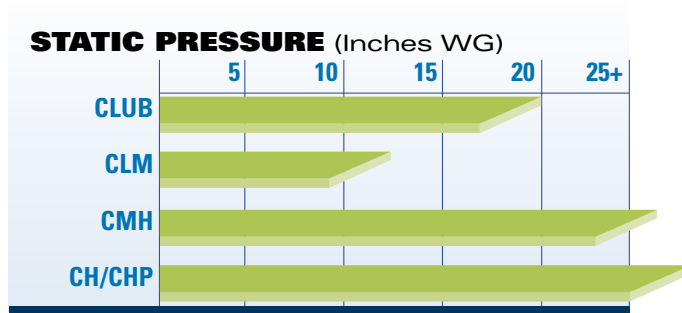
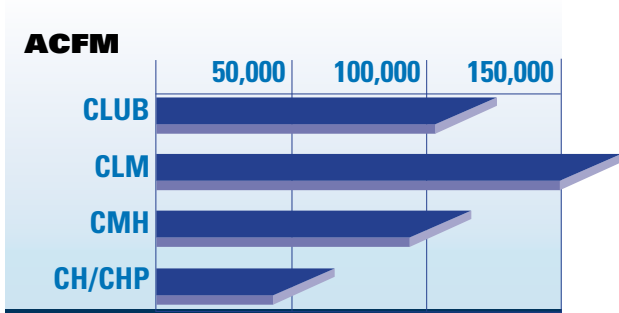
HIGH STRENGTH FRP IMPELLERS Made of premium vinyl ester resin that combines corrosion-resistance with structural integrity for unrivaled service life and durability

PILLOW BLOCK BEARINGS

Heavy-duty ball or double row roller bearings are standard on all fans.

GUARDS/CANOPIES All fans are provided with OSHA belt and shaft guards. All Arrangement 10 fans are available with OSHA motor/drive canopies as standard.

ACCESSORIES AVAILABLE Inlet boxes, dampers, inertial bases, vibration isolators, sound enclosures and blankets, bird screens, backvanes, vibration detection monitors, motor disconnects, and Zero speed switches are just some available accessories.



PRODUCTS AND SERVICES OF VERANTIS

Strong product/system support is an integral part of Verantis' resource capabilities. We have broad experience in the design, engineering and installation of a wide range of air pollution control equipment and systems.

Verantis has a network of qualified representatives in the U.S. and Canada ready to serve you. Answers to your air pollution control and air handling needs are only a phone call away.



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