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# Fiberglass Reinforced Polymer Panels

## Technical Data

### ResoFLO FRP Continuous Ridge Ventilators

#### VENTILATION IN CORROSIVE ATMOSPHERES

Resolite's ResoFLO FRP ventilation systems are designed to withstand the extremely corrosive environments often associated with pulp and paper mills, chemical plants, steel mills, metal treatment facilities, chlorine cell buildings, and wastewater treatment plants. Operating conditions at these types of industrial sites typically include the three deadly threats to building components: excess heat, moisture and corrosive gases, liquids and particulates. Working together, they can quickly destroy ordinary ventilation system components and impair critical production processes. Fiberglass reinforced polymer materials, with their excellent resistance to corrosive atmospheres, can substantially increase the ventilators service life.

#### SERIES RFVS GRAVITY VENTILATORS

ResoFLO continuous ridge ventilators, employing corrosion-resistant FRP components, are designed to produce maximum gravity airflow under a wide range of adverse operating conditions. Internal baffles and the outside windband effectively seal out the elements and prevent backdrafts. Continuous weep openings on each side of the windband provide ample drainage for even large volumes of rainwater and melted snow. Special corrosion resistant bearings permit optional manual chain or motor-driven dampers to always operate freely, even in the most corrosive industrial environments.

RFVS ventilator units are shipped completely assembled and ready for installation in 10-foot sections, which may be linked together with splice plates to provide continuous runs of any length. The hi-efficiency design of ResoFLO FRP gravity ventilator systems offers substantial savings in ventilation costs compared to power ventilators. ResoFLO gravity ventilators operate efficiently requiring virtually no maintenance expense.

#### PROVEN FRP RESIN SYSTEM

Resin is the heart of all fiberglass reinforced polymer materials. That's why Resolite chose the same family of light-stabilized resins for ResoFLO ventilators that are utilized in manufacturing its well-known corrosion resistant FS25A / CRFS25A and high-strength Tred-Safe FRP wall and roof panels.

#### STANDARD FEATURES

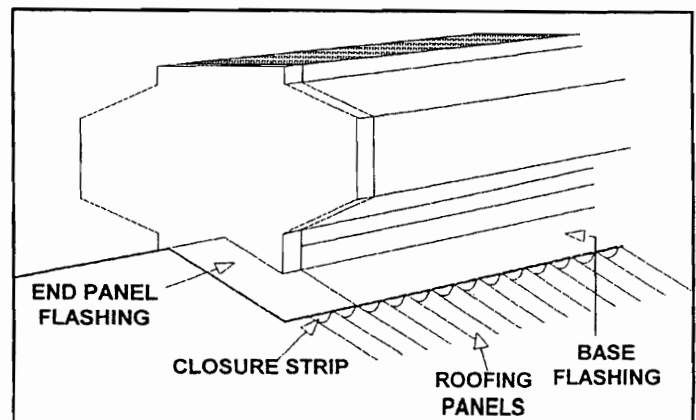
- Construction Hetron 99P® isophthalic polyester resin with a flame spread of 25\* or less, UV stabilizers
- Hardware 304 stainless steel
- Vent Length Standard 10' modules
- End Cap Two (2) per run
- Base Self flashing ridge mount
- Color Stone White, Gray or Beige
- Throat 4 sizes: 9", 12", 18", 24"

#### OPTIONAL FEATURES

- Hardware 316 stainless steel
- Damper Manual chain or motor driven
- Bird Screen 1/2" polyethylene mesh
- Base Curb mount
- Special resin (Minimum quantity requirements)
- Special color (Minimum quantity requirements)



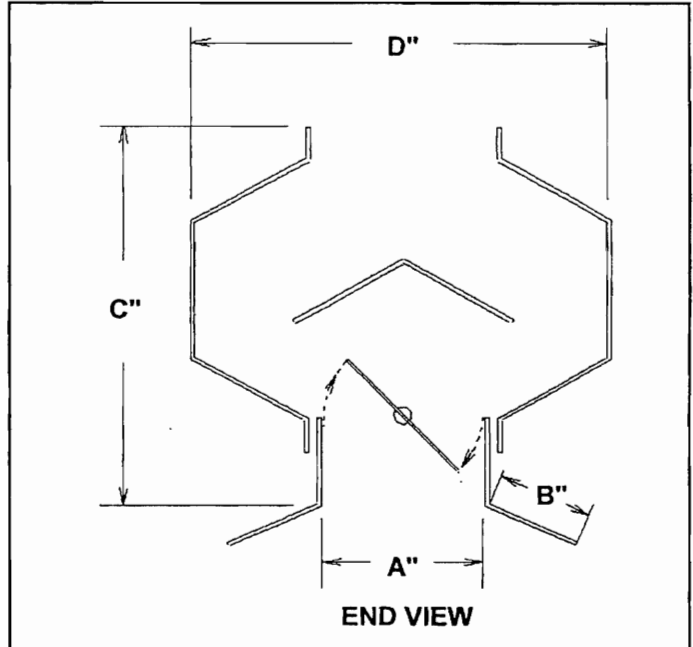
#### RESOFLO RFVS VENTILATOR



# ResoFLO FRP Continuous Ridge Ventilators (continued)

**SPECIFICATION**

1. Continuous ridge ventilators shall be ResoFLO fiberglass reinforced polymer ventilators Series RFVS as supplied by Resolite, a United Dominion Company, Zelienople, PA.
2. Construction of the components shall be a minimum of 0.10" nominal thickness. Glass content shall be approximately 40% by weight.
3. Resin shall be high quality isophthalic halogenated polyester equivalent to Hetron 99P® having a flame spread of 25\* or less. Additional protection shall be provided with the use of UV stabilizers.
4. Hardware shall be 304SS (316SS optional)
5. Finish shall be smooth.
6. Color shall be \_\_\_\_\_ (Stone White, Gray or Beige) .
7. Free area of the exhaust opening shall be equal to or greater than the ventilator throat size.
8. If required, the damper shall be one piece center pivot with corrosion resistant bearings and shall be \_\_\_\_\_ (manual chain operated or motor driven).
9. If required, furnish bird screen consisting of 1/2" polypropylene mesh.



VENTILATOR DIMENSIONS					
MODEL	A"	B"	C"	D"	Nominal Thickness
RFVS-9	9"	6"	16"	21"	0.10"
RFVS-12	12"	6"	20"	28"	0.10"
RFVS-18	18"	6"	31"	40"	0.12"
RFVS-24	24"	6"	36"	54"	0.12"

\* Resolite advises that the numerical flame spread classification is not intended to reflect hazards presented by this or any other material under actual fire conditions.

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