

Submittal Data / Specifications

STORM Series Polypropylene Blowers



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APPLICATION:

The STORM Series blower is designed to work in highly corrosive air applications such as laboratory exhaust or the chemical industry, especially those with higher static pressure and lower volume air flow.

MANUFACTURER:

STORM Series blowers shall be manufactured under the authority of Plastec® Ventilation, Inc., Bradenton, Florida.

MATERIALS OF CONSTRUCTION TEMPERATURE LIMITATION:

Polypropylene casing and wheel recommended 140° F constant and up to 190° F for short periods of time.

HOUSINGS: POLYPROPYLENE

Housing shall be constructed of strong high-density UV treated polypropylene for maximum corrosion resistance. Housing shall be made of one single piece to completely avoid leaks. Split molded housings are not acceptable. Screws holding housing to back plate shall be stainless steel. Housing shall be rotatable to any of the 8 standard discharge positions. Metal in the air stream will not be tolerated. **Optional** carbon fiber impregnated polypropylene housing available when specified. See Submittal Data/Specifications for Explosion-Proof Series.

IMPELLER/WHEEL: POLYPROPYLENE

Impellers/Wheels shall be of forward-curved type and constructed of uniformly molded polypropylene blades. Impellers/Wheels shall be both electronically and dynamically balanced. Blower impeller/wheel shall be supplied with a motor shaft bushing and hubcap made of polypropylene to protect shaft end. Blower impeller/wheel shall be suitable for RPM of up to 3450. **Optional** carbon fiber impregnated impeller/wheel is available when specified. See Submittal Data/Specifications for Explosion-Proof Series. *CCW only

MOTOR SUPPORT:

Standard stand to be manufactured in galvanized steel with enamel coating. **Optional** polypropylene motor support or grey powder coated cast aluminum motor support for complete motor protection shall be provided as specified.

MOTORS:

Motors shall be direct drive and of heavy-duty ball bearing type for continuous duty with voltage as specified. Motors shall be totally enclosed fan cooled (TEFC). **Optional** Explosion-Proof Motors available (see Submittal Data/Specifications for PLASTEC® Explosion-Proof Series). Motor shall be UL and CSA approved for safety.

PERFORMANCE:

Fan performance shall be based on tests conducted in accordance with AMCA 210-85 and ISO 5801.

WARRANTY:

Plastec Ventilation, Inc. warrants its equipment, products and parts, to be free from defects in workmanship and material under normal use and service for **two years** after delivery to the first user. **Motors** carry a **one year** warranty. (See full warranty on page 6 of the Installation, Operation & Maintenance Manual)

PROJECT				ARCHITECT				
CONTRACTOR		DATE	SUBMITTED BY		ENGINEER			
SPECIFICATION								
Fan Position	Model #	CFM	In. WG	RPM	HP	Voltage/Phase	Qty	Accessories

WARNING! DO NOT use in HAZARDOUS ENVIRONMENTS where fan's electrical system could provide ignition to combustible or flammable materials unless it is specifically built for hazardous environments. Plastec Ventilation, Inc.® reserves the right to substitute material or change product specifications.