

VIRON PVC CENTRIFUGAL FAN

VCB SERIES CONSTRUCTION FEATURES

□ 505 HINTZ ROAD
OWASSO, MI 49867-9603
989-723-8295
989-723-8417 FAX

□ TEMPLE INDUSTRIAL PARK
3100 LUCIUS McCELVEY DRIVE
TEMPLE, TX 76804-9703

SHAFT SEAL

A standard neoprene shaft seal is utilized to prevent corrosive fumes from coming in contact with the bearing and shaft. Other types of shaft seals are available upon request.

ACCESS DOOR

Every Viron PVC fan has a raised PVC access door to facilitate cleaning and inspection.

PVC HOUSING DESIGN

The Viron fan housing is designed to maximize wheel efficiency by reducing turbulence and increasing performance. The housing is solid PVC sheet using premium grade corrosion resistant material welded with a minimum three pass weld on all exterior seams.

OUTLET FLANGE

Solid PVC reinforced outlet flanges are standard on all VCB series PVC centrifugal fans. The standard heavy duty flange is provided undrilled.

HEAVY DUTY BEARINGS

All bearings are heavy duty, self aligning, ball bearing type. Features include minimal starting friction, ease of maintenance and 100,000 hour life expectancies.

PVC REINFORCEMENT

All Viron PVC fans have internal corner reinforcements and continuous welds on all interior seams for maximum strength and rigidity.

SHAFT

All standard VCB fans have a turned, ground and polished 1045 steel shaft. Stainless steel shafts are available upon request for special applications.

INLET CONSTRUCTION

Viron VCB fans are provided with a plain, flex or flanged inlet.

BELT AND SHAFT GUARDS

All arrangement 9 VCB series PVC fans are supplied with removable PVC belt and shaft guards.

INLET CONE

Viron VCB series PVC fans are standard with a PVC inlet cone. The cone directs incoming air into the centrifugal wheel, reducing turbulence and eliminating leakage to increase fan performance.

MOTOR

All motors on Viron fans are mounted directly to the fan base, completely assembled. T.E.F.C. motors are standard. Other types of motors are available upon request.

FIBERGLASS CENTRIFUGAL WHEEL

Every Viron VCB series fan is provided with a solid FRP wheel, constructed using a premium grade corrosion resistant resin. The advanced design and construction combine to create the highest efficiency, quietest operation, and most corrosion resistant fan wheel available. The Viron VCB wheel is superior to any coated steel wheel.

PEDESTAL BASE

All pedestal bases are constructed of heavy gauge steel, primed and coated with a highly corrosive resistant epoxy coating. The trapezoid design insures smooth performance and structural integrity.

CHANNEL BASE

VCB steel pedestal bases are mounted directly to a reinforced steel channel base to add structural rigidity to the fan.

DRAIN

All VCB fan housings have a 1" threaded drain at the lowest point of the housing.

VIBRATION ISOLATION

As an option, Viron offers a variety of vibration isolation products. The list of products range from neoprene pads to 4" deflection spring isolators with seismic snubber restraints.

OTHER STANDARD ITEMS NOT SHOWN:

1. All Viron VCB fans are completely assembled and tested prior to shipment.
2. All Viron VCB series fans are licensed to bear the A.M.C.A. Certified Seal.
3. Every Viron VCB series wheel and shaft is dynamically balanced before assembly to Ashrae Standard Specifications per 1987 Handbook, chapter 52, page 29, table 26.
4. PVC shaft guard is not shown in above picture for visual clarity of bearings and shaft.

VIRON[®] INTERNATIONAL certifies that the VCB-1100 Series PVC and FRP Centrifugal Fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

