



CENTRIFUGAL BLOWERS

Republic Centrifugal Blowers are 100% manufactured in-house. This advantage of total quality management allows Republic to engineer and manufacture its parts for optimal performance, longer blower life and a reduction in maintenance costs.

Ceramic Hybrid Bearings

Ceramic hybrid bearings run cooler than steel bearings. Unlike steel balls, ceramic balls will not cold weld to steel rings. This temperature benefit increases lubricant and bearing life. Additionally, maximum running speed for ceramic balls is 40% greater than steel ball bearings. Moreover, vibration levels of ceramic hybrid bearings run 2-7 times lower than the same size steel bearings, making service life of ceramic balls 2 to 5 times greater than conventional steel balls.

Dynamic (2-Plane) Balancing of Bearing Housing Assembly

G1.0 specification on balancing reduces vibration and extends blower life.

PTFE Shaft Seal on Both Sides of Bearing Assembly

Contaminants are the #1 cause of blower failure. Republic's proprietary seal design reduces blower failure over the competition.

Two Sealed Bearings

The blower's tension pulley has two bearings with seals that stop contaminants from entering the blower. Extends the blower life and requires less maintenance.

Steel Bearing Housing Standard (Clear Zinc Plated)

Steel bearing housings have higher tensile strength than aluminum. Its strength gives it superior stability and lower vibration, when compared to an aluminum bearing bore. The steel bearing housing has a lower coefficient of thermal expansion. This allows the bearing to fit perfectly inside the bore in extreme blower temperatures.

Replaceable Bearing Cartridge

Our customers can easily replace bearing cartridges in about 15 minutes. Cartridges are field serviceable and maintenance is easy.

Discharge Rotates

A rotatable discharge provides customers ease of use for any application.