

# TEV-series

The Energy saving Ventilator



[www.plymovent.co.uk](http://www.plymovent.co.uk)

**PLYMOVENT®**

# High Performance Ventilators for Intelligent Process Ventilation

Energy saving ventilators make a perfect match to any intelligent process ventilation system. An advanced, patented manufacturing process and new design, together with new impellers, provide an even air flow, higher capacity and lower sound level.



## HIGH EFFICIENCY

PlymoVent's mission is to design energy efficient products. PlymoVent utilises, as standard equipment, high efficiency motors. The motor, along with our new design, produces the lowest operating package offered in the industry today. If you have an existing fan, you can replace it with a PlymoVent. It will reduce your operating costs and you will benefit with a return on your investment. Not many other products can stand behind that claim.

**It is like hitting the jackpot!**

## SAFETY FIRST

PlymoVent fans are equipped with safety screens on both the inlet and outlet of the fan housing. PlymoVent not only protects your investment but also your personnel from moving parts of the fan.

## NOISE LEVEL

Today, it is essential to control noise pollution in the workplace. Recognizing this problem, PlymoVent has produced a fan that will operate at a lower sound power level (db) and a lower sound pressure level (dba) than other competitive models. All PlymoVent fans have been tested by AMCA in accordance with the AMCA 301 standard.



## LOW POWER CONSUMPTION

PlymoVent fans require less kW versus air volume delivered. This not only equates to less electrical usage but it also lowers the installation cost. It allows the electrician to reduce the cost of installation by reducing the associated components required to run the motor.

## SELF-BALANCING FAN IMPELLER

Unlike any other fan, PlymoVent's new technology incorporates self-balancing aluminium impellers. These high tech machine stamped impellers guarantee perfect balance and alignment every time. This eliminates the need for dynamic balancing that requires the adding of weight by welding that can distort the fans balance and performance.



## EASY ACCESS IMPELLER

All PlymoVent fan housings are designed for easy access to the impeller. Our design allows an installer or service technician to remove the motor and impeller wheel without removing inlet or outlet ductwork or disassembling the fan housing. It also provides the installer the option of separating the fan into two pieces when mounting in confined locations such as above drop ceilings or narrow access ways.

## AIRFOIL IMPELLER

PlymoVent, in cooperation with an internationally recognised university, has designed the ultimate airfoil fan impeller. Through the use of aerospace design techniques, PlymoVent has been successful in designing a fan impeller that maximises air delivery at higher static pressures and reduces energy consumption at the same time. PlymoVent fans deliver the air volume you need at 30% less energy required over any competitive fan.



## VIBRATION CONTROL

PlymoVent fans are designed with pre-engineered anti-vibration control to reduce the harmful effects of vibration.

## PROTECTIVE COATING

PlymoVent fans are protected for long life by an epoxy powder coat finish which is perfect for most harsh environments. The T Series fans can also be manufactured in other materials. Call us for more information.

## NO-WELD FAN HOUSING

PlymoVent's patented No-Weld Housings are produced with a state of the art fastening technique and eliminates the need for metal welding which distorts metal components and destroys critical tolerances. This results in less vibration, a better fit and superior finish.

## EASY MOUNT HOUSING

The new T Series has been designed with slotted mounting channels on all four sides to allow for a wide variety of mounting techniques or options. This eliminates the expense of custom mounting suspensions or platforms.



- + High Efficiency
  - + Low Power Consumption
  - + Low Noise Levels
  - + Quality Design
  - + Easy Installation
- 
- = Return on Investment

**PLYMOVENT** <sup>®</sup>

# Application options



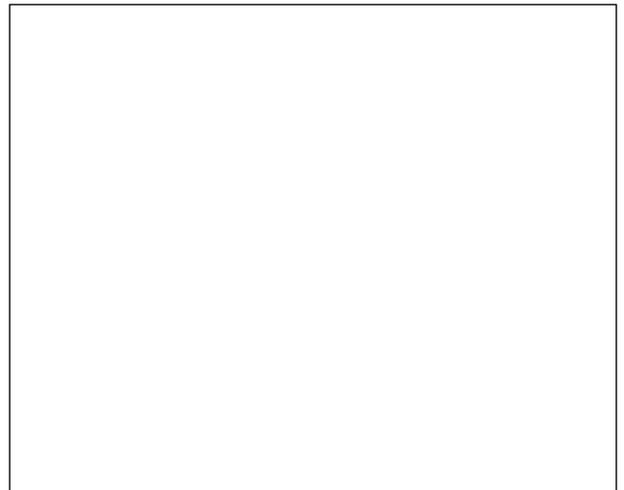
**Exhaust Ventilation**



**Displacement Ventilation**



**Fumes/Dust/Odors Ventilation**



**Process Ventilation**

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