

DRYVENT K

Kitchen Dehumidifier Fan

About DRYVENT K

The DRYVENT K Kitchen fan is a high performance, dehumidifying fan designed for the particularly demanding condensation control requirements of kitchen environments. It is particularly effective for use in properties suffering from damp conditions. DRYVENT K continually extracts on low speed to remove moisture laden air at source before it can condense. This background level of ventilation also improves the air quality throughout the property.

This condensation control is achieved through the inclusion of an internal, microprocessor driven Autostat unit. When the built-in Autostat detects the humidity level rising above acceptable levels the fan triggers into high speed delivering powerful performance when it is needed most.

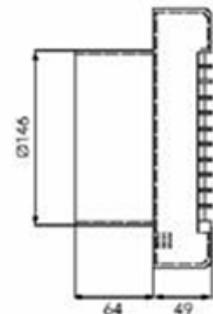
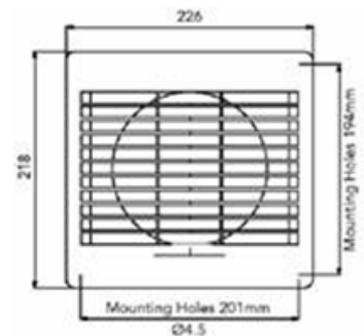


Features and Benefits:

- Incorporates the RHL Autostat humidity controller which continually monitors ambient humidity and automatically adjusts the control level accordingly
- Low energy, low cost continuous running at 50m³/h (Low speed)
- Incorporates a data-logger that captures humidity, temperature and fan operation providing details on the dwelling air quality for improved condensation control management
- Automatic switch to high speed when required and pull cord override
- A removable stainless steel filter, which is dish washable, protects the fan blades and shutters giving longer life
- Polycarbonate ABS mix with fire retardant housing which provides a robust and high temperature resistant casing. Not only does this give you more choice in fan location but also a more effective ventilation system and removal of cooking moisture and odours
- The DRYVENT K has a built in LED indicator to show what mode the fan is in.
- Produces up to 225m³/h of air flow thereby conforming to building regulations part F
- Incorporates MagLev DC fan motors - designed to operate for 50,000+ hours fault free which means:
 - ◇ Almost silent operation
 - ◇ Cost effective as it is inexpensive to run, low maintenance and has a long life.
 - ◇ Can be fixed in any orientation without affecting performance (wall, ceiling)
- Lifetime* guarantee on the MagLev motor and 5 year guarantee on all other parts giving peace of mind



Dryvent K incorporates
5 watt MagLev motor



What is MagLev Technology:

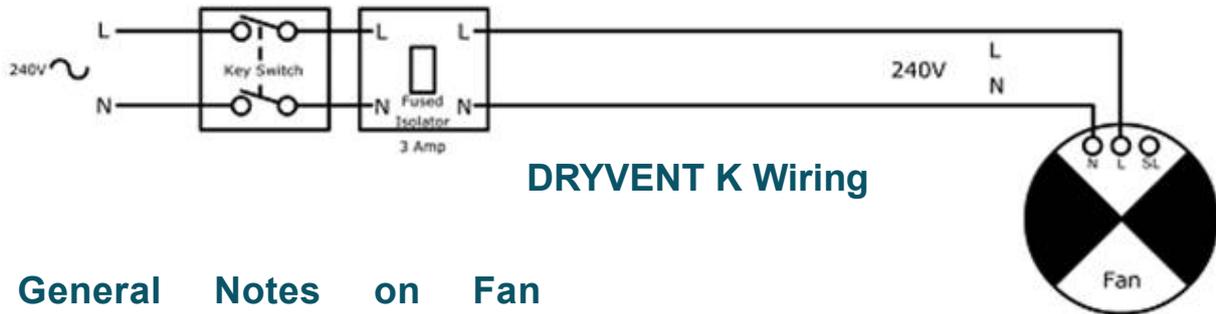
MagLev fans are derived from the most advanced train technology in the world. We have integrated the science behind making the MagLev trains float above the rails and propel forward, into our complete range of domestic fans.

The levitation of the blade and housing is created through opposing magnetic forces causing propulsion through perpendicular magnetic fields. This means that there is no physical contact between the moving parts and therefore no mechanical friction. This in turn means that the fan temperature is low and there is less waste of energy and less wear to the components. No friction also results in exceptionally high efficiency, quieter running and improved balance. All these features make a highly reliable motor with around 30 years life expectancy under normal operating conditions

* Lifetime = lifetime of fan motor >50,000 hours in normal conditions

Dryvent K options

| Item | Part No. | Kit Contents |
|---|-------------------------|--|
| Dryvent K + kit for wall installation | DRYVENT K | Wall sleeve and external grille |
| Dryvent K for single glazed window installation | DRYVENT K-P | Window fixing kit with external grille |
| Dryvent K + kit for acrylic double glazed window installation | DRYVENT K-DG ACR | Designer base with screws for acrylic fixing |



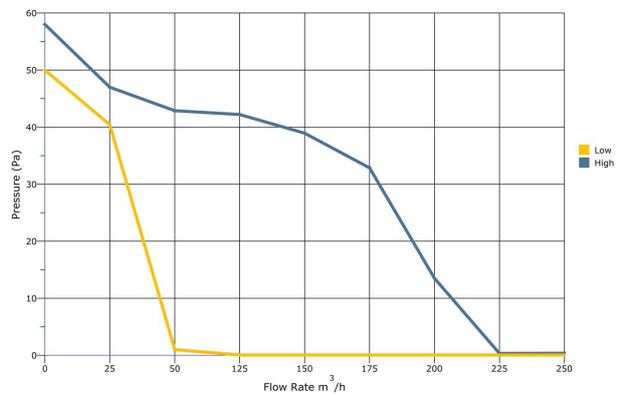
General Notes on Fan Installations

The fan position should be as far as practical from the main source of air replacement. This is to avoid short-circuiting of the airflow. The fan can be placed on a wall or ceiling. The DRYVENT K fans have a 150 mm spigot to fit into a circular telescopic wall sleeve. The ducting hole through the wall requires a minimum of a 5 degree downward slope to the outside.

The fan should be located at a high level close to the moisture source. If the room/dwelling contains a fuel burning device such as a gas boiler with a non-balanced flue, it is essential that there is enough replacement air to prevent fumes being drawn down the flue where the fan is extracting.

For more information, please contact us or see our website for product details and a detailed installation guide.

Dryvent K
Pressure vs Flow Rate



And for the Specifier.....

The Dryvent K is supplied with an internal Autostat, wall sleeve, external grille and a removable grease filter. The fan will include one MagLev motor of not more than 5 watts extracting at no less than 225m³/h.

| Product | POWER | | Fan Input (watts) | Static Pressure (Pa) | Noise (dB(A)) | Exhaust Spigot Size (mm) |
|-----------|---------------------------|----------------------------|-------------------|----------------------|---------------|--------------------------|
| | Max Air Flow m³/h Trickle | Max Air Flow m³/h Autostat | | | | |
| Dryvent K | 50 | 225 | 5 | 50 | 30 | 150 |