

POLYAIRE DIFFUSION FITTING (PDF)



Folded Metal Damper Blades

Quicker & better installations with the

POLYAIRE DIFFUSION FITTING (PDF)

Description

The Polyaire Diffusion Fitting is a one piece (blow moulded) fitting coated with closed cell foam insulation. The PDF is designed to split the airflow from the fan coil into 2, 3 or 4 separate ducts and allow 'tuning' of the flow from a central point. (this greatly reduces installation time).

The PDF also allows convenient fitment of motorized dampers and/or a Zone Control system with the main module attached to the PDF and motorized Dampers surrounding this. All components are in one place for ease of wiring and maintenance

Product Features

- The outlets are clearly numbered in the moulding to prevent confusion.
- Inlet Dimension: 350 or 400mm diameter
- Outlet Dimensions: 250 or 300mm diameter
- The fitting is designed to be a 2, 3 or 4 outlet fitting and each outlet can be managed via a manual or electronic damper. The motors are compatible with **Zonemaster** VAV & UniPoint/MaxiPoint systems.
- Folded metal damper blades for extreme strength and pressure resistance
- Duct fitting is via Duct Ties/Draw bands
- The product must be pre-ordered. (See Order Form)

Product Benefits

- Saves considerable installation time
- Fully insulated
- Leak proof fitting
- Allows quick tuning of system from a central point
- Allows easy fitment of Zonemaster motorised damper systems
- Decreases chance of duct blow off due to faulty taping of duct
- Easier, quicker and more secure joining (with cable ties)
- Easier ongoing maintenance



Unique Duct attachment reduces chance of duct leaking or detaching

The Polyaire Diffusion Fitting employs a unique design to minimise the chance of duct leaks due to faulty attachment. The duct is attached to each spigot using special cable ties (draw bands)

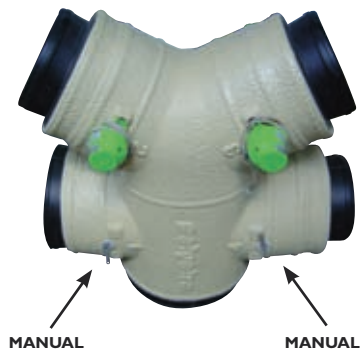
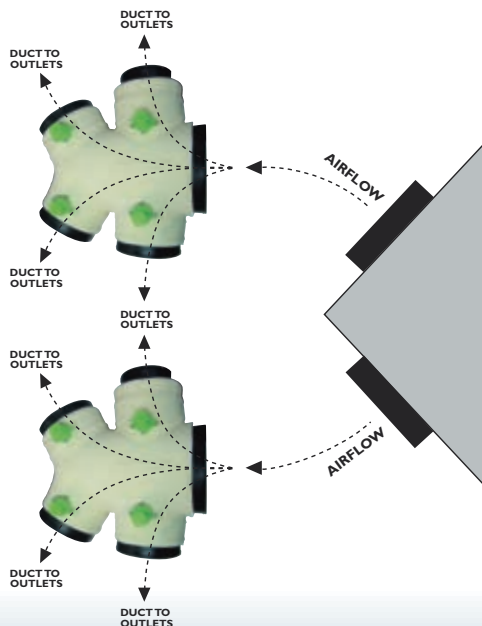
Each spigot has a slightly positive taper with a pronounced ridge at the edge. This means that the drawband will become tighter, the closer it gets to the edge, minimising the chances of duct detachment.

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100% SEALED



Fitting set up for 3 outlets
(All motorized - note one uncut outlet)



Fitting set up for 4 outlets
(2x motorized/ 2x manual)

A 4 zone Zonemaster UniPoint system can be mounted straight onto a Polyaire Diffusion Fitting to provide economical air management for the whole house. (Or 8 zones through two Polyaire Diffusion Fittings for larger homes and offices)



UniPoint Programmable System;

The UniPoint system makes any ducted system more efficient by allowing air flow to rooms being used and stopping wasteful flow to unused spaces. It is an on/off controller for up to 8 zones with the following Features;

- Manual and programmable on/off time control
- LCD indicator for zone status and parameter display
- Real time clock with battery backup
- Room temp display using on board sensor
- 5-1-1 zone on/off program (5 Weekdays + Sat/Sun)
- Personalised zone labelling
- Safety Protection

BENEFITS:

- Managing airflow so that the (cool or warm) air is only directed where you need it creates energy savings and greater comfort.
- The programmable timer means that the zones can be set to open and shut at specific times for maximum efficiency.

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