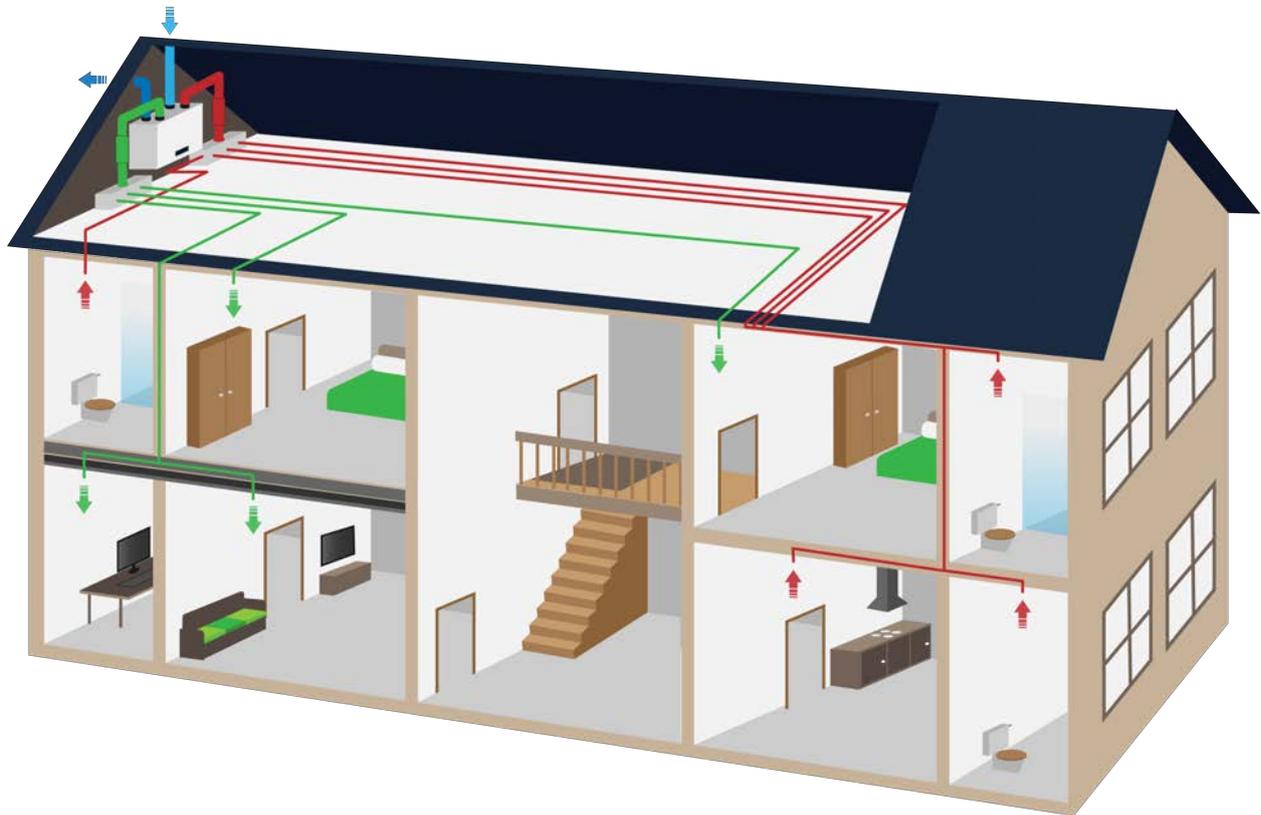




# Ducting Buyers Guide



## Ducting for Ventilation Systems

BPC Ventilation are the pioneers for Mechanical Ventilation Heat Recovery (MVHR) Kits. We are the leading supplier of heat recovery kits, providing top-quality ducting systems with heat recovery units from leading ventilation manufactures. Our kits allow you to complete your project within budget and guarantee that your system is of the best quality. Our systems will provide you with the quietest, most efficient heat recovery systems available.

Each element of ducting is specified for your bespoke system, guaranteeing that your system will work to the its best ability. Each kit is created to suit each individual project, and if purchasing a kit online each kit has been carefully constructed will all fittings and elements matching to ensure the system will work correctly.

### Easy Installation

Our MVHR systems (heat recovery) have been specifically designed to be easy installed by any competent person and due to their design have up to 80% less fittings and can reduce installation time by over 50% less.

### Quality Ductwork

MVHR ductwork is premaritally built into the fabric of the building and would be very disruptive to replace, so it is worth investing in a high-quality system from the outset. Our premium semi rigid ducting is airtight, antibacterial lined, crushproof and does not require any joiners, plus it is designed to last the lifetime of the building.

## Types of Ducting

### **Semi-Rigid Radial Ducting**

Radial Ducting is a system of smooth bore pipes which are crushproof, semi flexible with zero air loss. The pipes have an anti-static and antibacterial lining which individually connects each room to a manifold and are available in both circular (75mm or 90mm) and oval (51mmx114mm) fittings. Radial ducting is suitable for any type of property; including timber framed houses, passive house approval homes and can be used in areas with limited access.

### **Solid Rigid Ducting**

Rigid/branched ducting is commonly used and is a cost-effective ductwork solution on ventilation systems.

Branched Ducting a system of round or flat PVC or EPE rigid ductwork which are typically 150mm or 125mm which branch out with T-pieces into various rooms. PVC Rigid ductwork has been used for over 50 years in domestic installations.

### **Flexible Ducting**

Ranging from 100mm to 200mm insulated flexible ducting is used for light duct applications and is available in various types (not recommended or approved for installation in new houses).

### **Insulated Aluminium**

25mm foil faced insulation with a aluminium core, used for numerous types of ventilation systems including MEV units and extractor fans in cold areas.

### **Insulated Acoustic Aluminium**

25mm foil faced insulation with a perforated inner core, used as silencers to ventilation units and as treatment towards noise transfer between room.

### **PVC**

Not normally used in quality heat recovery ventilation systems. Is suitable for single room applications, extraction systems and fans. PVC ducting is available in round and rectangular options in a range of sizes.

### **Aluminium**

Normally used for final connections between solid rigid ducting and air valves.

### **Combi**

PVC coated aluminium for better durability, normally used for final connections between solid rigid ducting and air valves.

# MVHR Ducting Kits



75mm crushproof radial ducting with smooth inner surface



Quality ductwrap insulation for ducting



Metal extract & supply valves



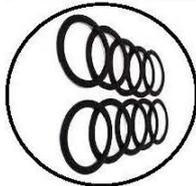
90° elbow bends



PVC ducting for ducting from unit to manifolds



Round pipe connectors



Sealing rings for air tight connections



Top quality easy to install plenums



Extensive range of distribution boxes



Insulated ducting for making final connections



Stainless steel external cowls

## Premium Kit Upgrade



Premium Ducting with antibacterial and antistatic lining



Top quality Airflex Plenum



Pro Air Valves with quick and easy



Rubber couplings for unit to duct connections



MVHR installation kit Sealant, foil tape and fixing band



Flexible silencer to prevent noise transfer

## Additional Options



High quality units providing ventilation, cooling and additional heating



Quiet-Vent Comfort Cooler reduces indoor air temperature to a comfortable level



Fire collars and fire sleeves seal the pipe preventing the spread of fire in emergencies



Designer airy air valve provide acoustic performance and have a range of discrete face plates available



Roof vents allow for the installation of the MVHR unit where there is no preferred external wall available



MVHR duct heaters are available in pre and post heater models with thermostats to regulate temperatures

## Benefits of a BPC MVHR Kit

At BPC we offer a large range of services when buying a MVHR Kit with us:

### **Ease of Installation**

Our MVHR systems can be installed with ease by any competent person or trades person. Due to the design of a radial ducting system, there is 80% less fittings which can largely reduce installation time.

### **Installation**

If you require installation, we have a large network of installers that can install your system for you. Our installers are based all around the UK and Ireland. If you require installation, please contact our sales team or fill in our online installation form.

### **Top Quality**

Our radial ducting is airtight, antibacterial lined, crushproof and doesn't require joiners. This ducting is designed to last the lifetime of a building and it is worth investing in a high-quality system.

### **Design Service**

Our trained professional in house designers provide you with a specific plan. To receive a design simply send us your plans via [design@bpcventilation.com](mailto:design@bpcventilation.com).

### **Technical Support**

At BPC we offer end to end support from the beginning and throughout the installation of your project.

### **Installation Manual**

Each one of our systems comes with a BPC installation guide which outlines how to install your ducting system. Each MVHR unit will come with a manufacturers unit installation manual.

### **Knowledge Centre**

Our website provides a knowledge centre which contains information on our kits, units, and systems. Our knowledge centre also has technical data sheets, installation information, frequently asked questions, product catalogues and product videos.

### **Price Match Guarantee**

We guarantee that if you find an identical system cheaper, we will match the price!

## Ducting FAQ's

### **How do I chose a ventilation kit?**

If you know what you are looking for simply choose your heat recovery unit, count how many rooms you have in your home and you can purchase our Standard Kits online, do not hesitate to contact our technical department if you have any queries. If you would like to upgrade to our Premium Kits, contact us on 028 2827 5150 / +353 1526 7452.

If you need further advice, please send in your plans and our technicians will provide a bespoke quotation for free, your estimation will choices of the most appropriate systems and amount of materials.

### **What kits sizes are available?**

Kits are available from 4-point kit to a 17-point kit, simply choose your kit by selecting the how many rooms are in your home. Our kit contents are pre-determined, but we can alter any product to best suit your project.

### **What does a kit contain?**

All MVHR kits include air valves, all pipe and ducting required, connectors & bends, silencers, plenums, distribution boxes, grilles, insulation, and sealing rings. Kits also contain necessary fixings and fittings such as silver foil tape, builders strap, sealant and cables ties that will be required to fit an MVHR system. All kits can be directly tailored to your budget and project.

### **Why are the different types of ducting?**

There are different types of ducting with a large range of sizes so that there is a solution for every unit and application. Some units will require certain sizes of ducting to ensure that the systems is not over or under worked to get air to the rooms in your home. Our range of ducting means that there is a solution for every project to ensure that if you have limited space or joists to fit around, we have a ducting solution for you.

### **Can I change the contents in my kit?**

Yes, our kits are based on what an average house will need depending on the number of rooms, but this is subject to change. Any products can be changed as you may feel you require more products if you have longer duct runs or pipes that run in many directions. There are also many upgrades that you can make to your kit for an even more superior system. We recommended getting a design done by us as this will ensure that you require the exact amount of products that you will require whilst following our plan.