



# Ventilation Air Valves

## Buyers Guide



## Ventilation Air Valves

Air valves are an important part to any mechanical ventilation system. They are used in rooms where the ducting meets ceilings or walls so that air can be properly extracted or supplied.

Air valves are adjustable and need to be set up during commissioning so that the correct air flow rate is reached. To adjust valves you simply rotate the central disc in or out to provide a larger or smaller air flow or insert a flow control damper.

Air valves are used in rooms where the ducting pipe or plenum meets ceilings or walls so that air can be properly extracted or supplied.

## Where Are Air Valves Placed?

Valves are designed to be installed in round pipe or plenums through ceilings or walls. At least one supply or extract valve should be placed in every room in your home that you wish to extract air from or supply air to. They must be placed away from stoves, other extraction fans and cooker hoods.

Valves are unobtrusive and designer options are available for upgrading. All our kit systems are supplied with standard metal or Airflex premium air valves, you can then choose to add fire rated valves or our architectural range of the Airy or Starline air valves.

If you would like a certain colour, we can do this! Simply provide us with the RAL colour code and we can have your bespoke colour added so that your valve blends in with your room of choice.

## Bespoke Solutions

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## Extract Points

Rooms that require extract points:

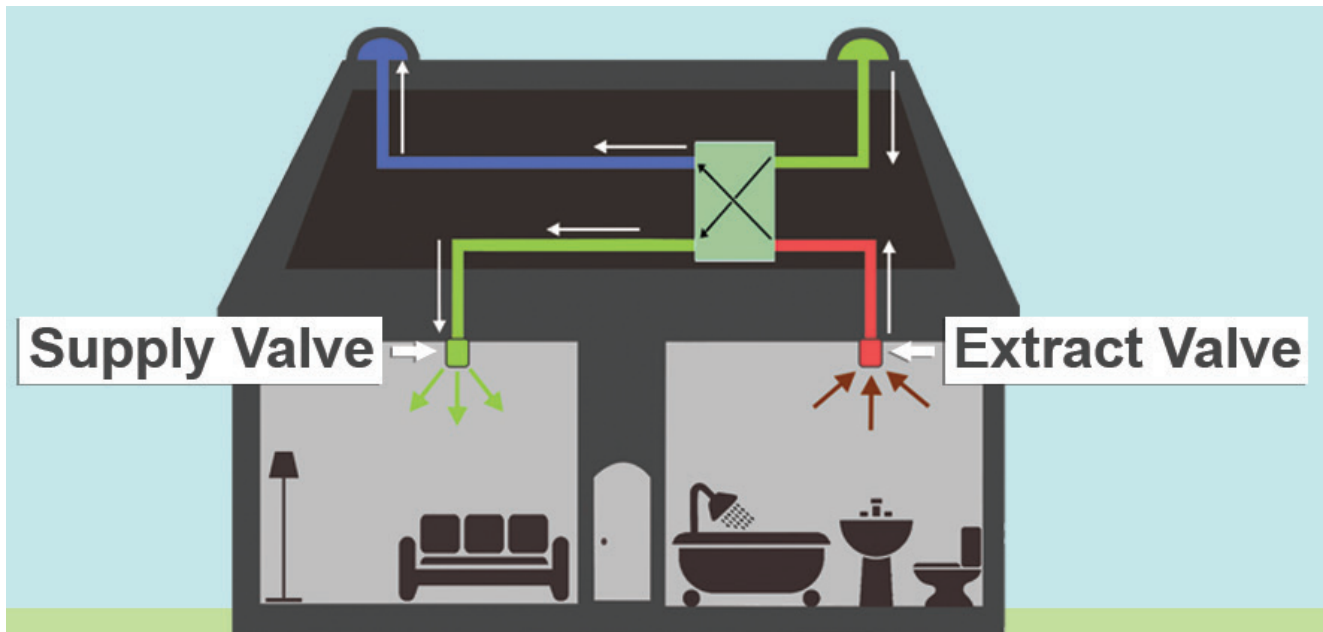
- Bathrooms
- Shower rooms
- Kitchens
- Utilities
- En suites
- Wet rooms
- And other rooms that require high humidity

## Supply Points

Rooms that require supply points:

- Living areas
- Bedrooms
- Any habitable room

Rooms such as gyms and cinemas rooms etc. may require both extract and supply points to ensure the best airflow.



## Balancing & Commissioning

To balance your system you may require points in entrances and halls. It is also important to remember that systems must be commissioned, this will ensure that the airflow rates of your system are correct, and so that your system will run to the best of its ability.

Your installer will be able to commission your system for you, or you can do it yourself with the hire of an airflow metre, contact us for more information if required.

## Air Valve Range

### Standard Air Valves

Standard valves are available for both extract and supply, there are both metal and PVC options to choose from. These valves are powdered coated and come complete with ceiling collar.



### Fire Rated Air Valves

Metal fire protection valves incorporate an integral intumescent material which automatically closes when the temperature reaches 72° and seals the duct from fire and smoke ingress.



Our fire rated valves are fire tested to BS EN 1365-2:1999 and have a fire rating of 60 minutes. Supplied complete with a fixing body with pre-drilled holes for installation.

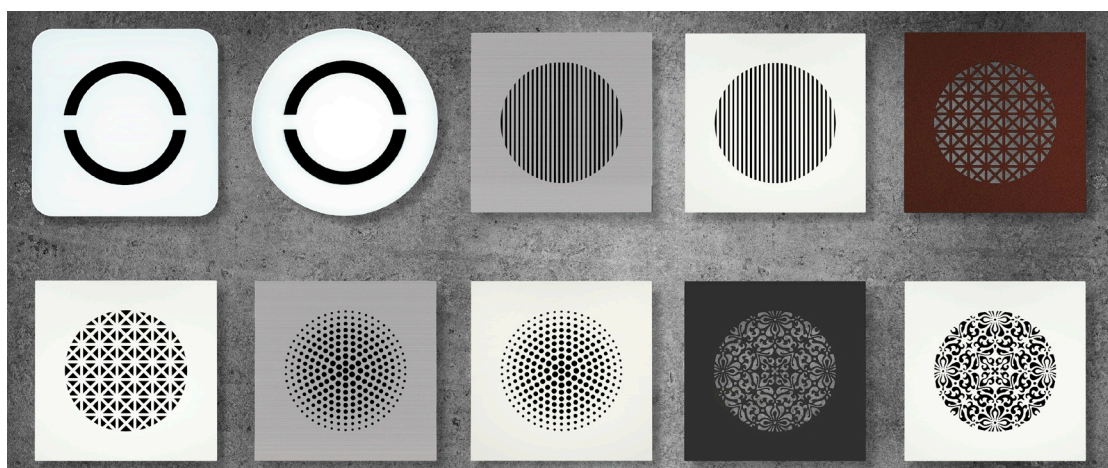
### Airy Valves

Airy valves provide an acoustic performance and have a discrete range of face plates and suitable for both supply or extract ventilation. There are a range of available interchangeable face plates include round, square, bow, rectangle, and ellipse. They are available with a white RAL colour, square shape is also available in metal or in a raw finish which can be papered, painted or your own design so that it fully ties in with the décor of your room.



### Starline Architectural Grill Range

Professional air grilles suitable for homes requiring an unobtrusive and designer solution over conventional air valves. Starline design grilles are stylish, easy to install and can be used for either air extraction or supply. Starline grilles are suitable for both extract and supply points, they are also hygienically sound thanks to integrated filter holder.



## Installation & Maintenance

Valves are easy to install as part of your ventilation system, with every ventilation system you will receive a ducting MVHR guide from us here at BPC.

To maintain your ventilation extract and supply valves we recommend that you wipe down to remove any dust that may settle on them.

## Design Service

We will provide you with the correct valves and will be marked if they are supply or extract. Some valves are universal and can be used as both extract and supply depending on requirements.

## Air Valve FAQ's

### **What valves are best for my ventilation system?**

Our standard valves are available in our kits or you can upgrade to fire rated or more fancy options. All our valves are suitable for use in mechanical ventilation systems. Valves are suitable for ceiling or wall installation and can be connected to pipe or plenums.

### **How long are fire rated valves rated for?**

Fire valves are fire rated for 60 minutes and will close when the temperature reaches 72°C by sealing the duct to prevent fire and smoke ingress.

### **What sizes of air valves are available?**

There are valves suitable for a range of ducting sizes. Our most common sizes include 100mm, 125mm and 150mm for the most common ducting sizes. If you require a larger size of valve get in touch with us and we can provide other sizes.

### **How do I know whether to extract or supply?**

Depending on the room, it will decide whether you need an extract or supply. If you have a design plan done by us everything will be clearly marked as our team outlines exactly what each room will require.