

# High Efficiency Green Line Rigid Duct Bends

Engineered to significantly reduce duct resistance, lower system noise and reduce overall energy usage.



An innovative solution for a well designed and energy efficient duct system.

LOWERS DUCT BEND RESISTANCE BY UP TO **60%**

## Why they are needed



Due to the profile of a duct bend, air travelling through it can become turbulent, causing increased resistance and system noise. As a consequence, the mechanical extract appliance will need to work harder in order to meet the required air flow rates; therefore consuming more energy.

Domus Green Line high efficiency 90° duct bends have been specifically designed to enable a uniform flow of air through the section of duct, **reducing the duct bend resistance by up to 60%** and lowering the air speed. All of which results in a quieter and more efficient ventilation system.

## Key features

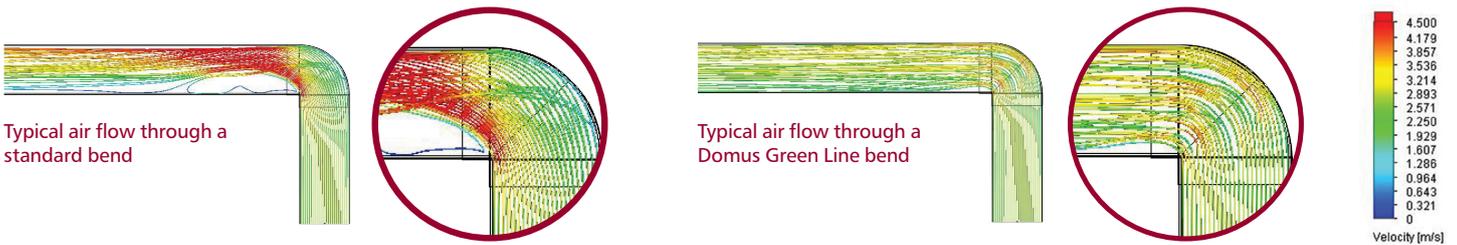
- Smoothly channels air through the duct bend in a uniform flow
- Performance has been tested by the Building Research Establishment (BRE)

## Key benefits

- Significantly reduces duct bend resistance for improved air flow and overall energy usage
- Reduces air speed through the bend to lower system noise

## Range

To support our most popular rectangular rigid duct profiles, **NEW** Domus Green Line bends are available to install with 204x60mm (550-GL) and 220x90mm (950-GL) ducting.



Typical air flow through a standard bend

Typical air flow through a Domus Green Line bend

For more information visit  
[www.polypipe.com/ventilation/rigidduct](http://www.polypipe.com/ventilation/rigidduct)

The colour of the internal vanes as shown in the image is illustrative (manufactured in white).