

# Xpelair Profile 150

## Heat recovery duct systems



### Key features

Type:	<b>Ducting system</b>
Application:	<b>Mechanical ventilation with heat recovery</b>
Duct Diameter:	<b>150mm</b>

### The Range

An efficient wholehouse heat recovery system is only as good as the duct work that serves it. Reclaimed warmth can be lost before the air reaches the living spaces through poorly insulated ductwork.

Xpelair **Profile 150** ideally compliments the Xpelair Xcell range of Mechanical Ventilation with Heat Recovery (MVHR) units. Designed for quick, easy and mess free installation in domestic and commercial applications. Suitable for use in unheated spaces.

The thick but flexible foam system is lightweight, fire retardant and slim in profile. Straight ducts are supplied in 2.5m lengths and a full range of collar fit bends are available.

Appropriate lengths are cut using a cross-cut saw or knife, and using the collars, pushed together to build a system that is well insulated and very robust.

Where the system is connected to a terminal spigot or where periodic inspection is necessary, SnapClamp collars engage tightly or release completely in seconds allowing fast fitting and release as necessary.

A range of matching cowed terminations is available.



Fast and easy fitting

## Models

### Profile 150 System

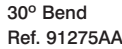
- Lightweight insulated ducting system in convenient 2.5m lengths with little wastage
- Material: vapour resistant EPE. Self extinguishing Class BI, DIN4102
- Density: 50kg/m<sup>3</sup>
- Heat transfer coefficient 0,040 W/m<sup>2</sup> at 0°C in accordance with DIN 52613
- Temperature range -40 to +100°C
- Attenuates sound
- Ductwork lengths are sufficiently flexible to get through awkward openings
- Full range of bends available
- Colour anthracite
- See also: two way splitters and roof terminations



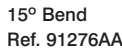
**90° Bend**  
Ref. 91273AA



**45° Bend**  
Ref. 91274AA



**30° Bend**  
Ref. 91275AA



**15° Bend**  
Ref. 91276AA



**Pushfit Collar**  
Ref. 91279AA

- Simple push fit
- Centre stop
- Collar length 10mm



**Y Piece Splitters**

100 x 100 x 150mm	Ref. 91282AA
125 x 125 x 150mm	Ref. 91284AA
150 x 150 x 150mm	Ref. 91285AA
150 x 150 x 200mm	Ref. 91286AA



**Roof Cowl**  
Ref. 91277AA

- Outlet cowl complete with flashing
- For roof pitch 25-45°
- Insulated, self extinguishing EPS
- Colour: black
- 160mm diameter (135mm not including foam lining)



**Wall Cowl**  
Ref. 91278AA

- Weather protected wall cowl
- Ideal for exposed locations
- Manufactured in PVC
- Colour: brown

### Profile 150 Components



**Straight Duct**  
Ref. 91272AA

- Length 2.5m
- i/d 150mm
- o/d 180mm



**SnapClamp Duct Collar**  
Ref. 91280AA

- Used where Profile 150 ducts need to be disconnected from an MVHR unit for servicing or cleaning.
- Overcentre clamp fits firmly when engaged

## Performance

### Resistance at 225m<sup>3</sup>/h

Component	Resistance (Pa)
Roof cowl as outlet	1.9
Roof cowl as intake	-26.8
Wall cowl as intake	-31.3
Duct per metre	1.4
90° bend	5.3
45° bend	3.4
15° bend	0.4

**Typical Specifications** on page 168.

