Arterial Duct System

- Reduces installation time
- Can be applied in SAP as a rigid duct system
- Crush resistant semi-rigid duct
- Unique low-resistance manifolds
- Simple installation through joists
- Smooth inner surface with antistatic and antibacterial coating
- Combines the advantages of rigid ducting with the versatility of a semi-rigid system

Arterial System

For use with MVHR systems, the Arterial air distribution system provides a flexible, highly robust solution, which can significantly reduce the installation time when compared to a standard system.

Rigid vs Semi-Rigid Systems

Both traditional duct types have limitations in modern construction. **Rigid systems:** Posing rigid duct through a floor cassette at right-angles to the joists is time consuming and multiple connections increase the risk of leaking ductwork. **Semi-rigid Systems:** It can often be difficult to accommodate two distribution boxes and multiple semi-rigid pipe runs in new buildings, and the time saving advantages are soon overtaken by the additional cost of materials.

Reduced Installation Time

The Vent-Axia Arterial range combines the advantages of semi-rigid and traditional rigid ducting in one simple system. The system is independently tested and can be applied in SAP as a standard rigid system. Drops between floors to/from the MVHR unit remain in rigid PVC, having the advantage of low space usage and low cost. Traversing through joists in a floor cassette is much simpler and faster when using semi-rigid duct. The secret to the Arterial System is the unique low-resistance distribution plenum (Patent Pending) which is site between posts allowing connection between semi-rigid and rigid sections.

100mm Elbow Bend to 90mm

<table>
<thead>
<tr>
<th>Stock Ref</th>
<th>O/I Ømm</th>
<th>A</th>
<th>B</th>
<th>C</th>
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</thead>
<tbody>
<tr>
<td>496741</td>
<td>90/78</td>
<td>119</td>
<td>226</td>
<td>280</td>
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</table>

Single Spigot Adaptor

<table>
<thead>
<tr>
<th>Stock Ref</th>
<th>Duct Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
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</thead>
<tbody>
<tr>
<td>408872</td>
<td>220x90 to 78Ø</td>
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<td>258</td>
<td>150</td>
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</table>

Double Connector Plate

<table>
<thead>
<tr>
<th>Stock Ref</th>
<th>Duct Size</th>
<th>External Dimensions (mm)</th>
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<tr>
<td>408873</td>
<td>220x90 to 78Ø</td>
<td>A 98  B 226  C 66</td>
</tr>
</tbody>
</table>

Single Connector Plate

<table>
<thead>
<tr>
<th>Stock Ref</th>
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<tr>
<td>408874</td>
<td>220x90 to 78Ø</td>
<td>A 98  B 226  C 66</td>
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Blank Plate

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<tr>
<td>408875</td>
<td>220x90 to 78Ø</td>
<td>A 98  B 226  C 66</td>
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Reducer

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<tr>
<td>408885</td>
<td>120 to 78Ø</td>
<td>A 129  B 105  C 129</td>
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Semi-Rigid Ducting

<table>
<thead>
<tr>
<th>Stock Ref</th>
<th>O/I Ømm</th>
<th>Length m</th>
<th>Coil Ømm</th>
<th>Coil Height mm</th>
<th>kg</th>
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</thead>
<tbody>
<tr>
<td>406368</td>
<td>90/78</td>
<td>50</td>
<td>1130</td>
<td>250</td>
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Complete System Setup Example

Model
125mmØ Circular Exhaust Diffuser
Stock Ref
40544125

Model
125mmØ Round Ducting Insulated
Stock Ref
406674

Model
220x90 to 78mmØ Single Spigot Adapter
Stock Ref
427360

Model
220x90 to 90mmØ (78mm ID) Single Spigot Adapter
Stock Ref
427360

Model
90mmØ (78mm ID) eDuct Circular Pipe
Stock Ref
406588

Model
Equal Tee MMM
Stock Ref
428636

Model
220x90 to 150mmØ Elbow Bend FM
Stock Ref
449362

Model
220x90 Double Connector Plate
Stock Ref
408873

Model
90mmØ (78mm ID) eDuct Circular Pipe
Stock Ref
406588

Model
220x90 to 150mmØ Elbow Bend FM
Stock Ref
449362

Model
220x90 to 90mmØ (78mm ID) Single Spigot Adapter
Stock Ref
434715

Model
Round 125mmØ to 204x60 Adapter FF
Stock Ref
370127

Model
125mmØ 90° Bend MM
Stock Ref
427360

Model
120 to 78mmØ Reducer
Stock Ref
408885

Model
220x90 Flat Channel
Stock Ref
403025

Model
220x90 to 150mmØ Elbow Bend FM
Stock Ref
449362

Model
220x90 to 78mmØ Single Spigot Adapter
Stock Ref
427360

Model
90mm Semi Rigid Duct

Model
Single Spigot Adapter

Model
220x90 Single Spigot Adapter

Model
220x90 Blanker Plate

Model
220x90 Duct Connector

Model
Single Connector Plate

Model
Double Connector Plate

Model
Single Spigot Adapter

Model
Equal Tee MMM

Model
125mmØ Round Ducting

Model
220x90 to 150mmØ Elbow Bend FM

Model
220x90 to 150mmØ Elbow Bend FM

Model
220x90 to 150mmØ Elbow Bend FM

Model
125mmØ Round Ducting

System Configuration Examples

Vent-Axia