

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:** Passing rigid duct through a floor cassette at rightangles to the joists is time consuming and multiple connections increase the risk of leaking ductwork. **Semirigid Systems:** It can often be difficult to accommodate two distribution boxes and multiple semirigid 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 sited between joists allowing connection between semi-rigid and rigid sections.

100mm Elbow Bend to 90mm



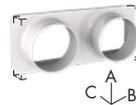
Stock Ref	O/I Ømm	External Dimensions (mm)		
		A	B	C
496741	90/78	119	226	280

Single Spigot Adaptor



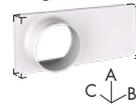
Stock Ref	Duct Size	External Dimensions (mm)		
		A	B	C
408872	220x90 to 78Ø	94	258	150

Double Connector Plate



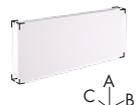
Stock Ref	Duct Size	External Dimensions (mm)		
		A	B	C
408873	220x90 to 78Ø	98	226	66

Single Connector Plate



Stock Ref	Duct Size	External Dimensions (mm)		
		A	B	C
408874	220x90 to 78Ø	98	226	66

Blank Plate



Stock Ref	Duct Size	External Dimensions (mm)		
		A	B	C
408875	220x90 to 78Ø	98	226	26

Reducer



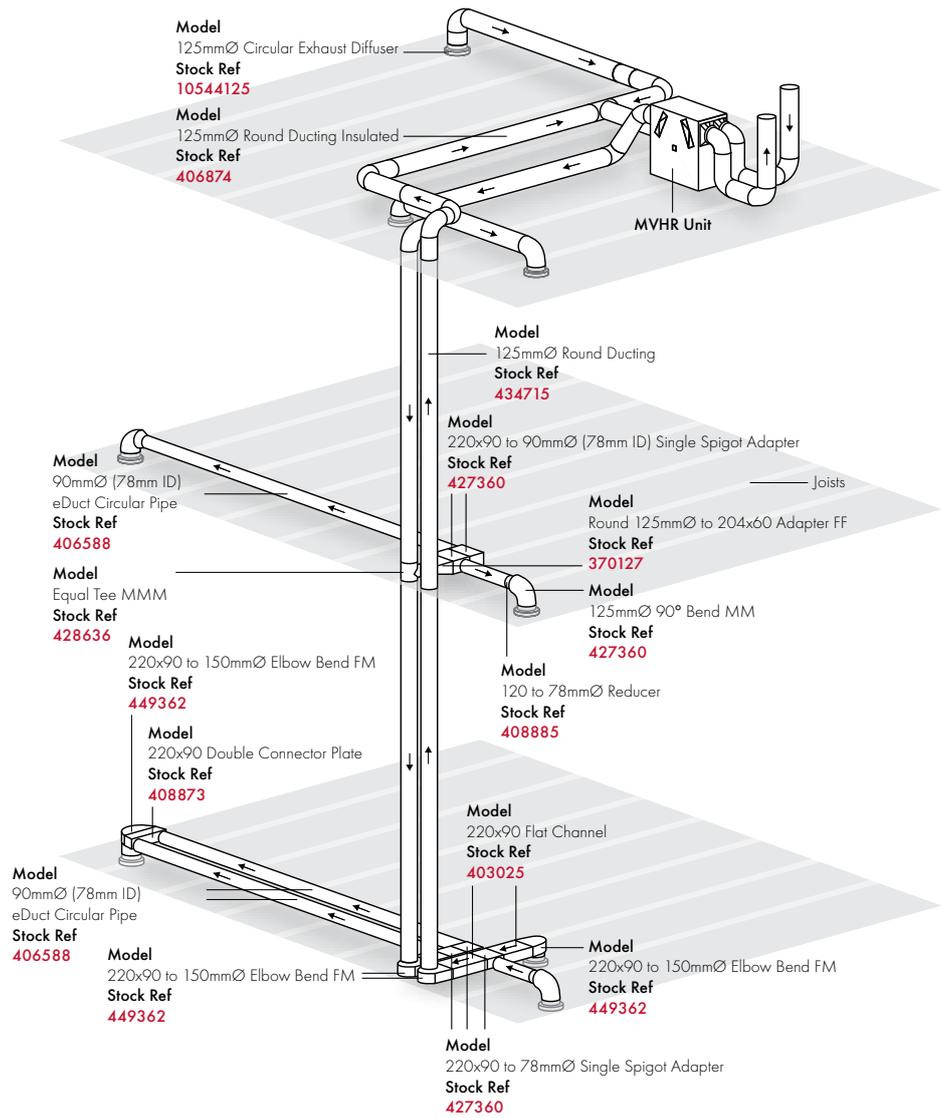
Stock Ref	Duct Size	External Dimensions (mm)		
		A	B	C
408885	120 to 78Ø	129	105	129

Semi-Rigid Ducting



Stock Ref	O/I Ømm	Length m	Coil Ømm	Coil Height	
				mm	kg
406588	90/78	50	1130	250	19.5

Complete System Setup Example



System Configuration Examples

