

Semi-rigid Ducting

For use with Titon's HRV Q Plus and CME Q Plus Ranges

Titon can supply semi-rigid ducting suitable for domestic ventilation applications. This is not widely used in the UK, however, it is clear semi-rigid ducting can offer a number of benefits over the traditional rigid product:

Easier to fit - via 'dry' joints which seal tightly and do not require sealant and tape.

In addition, ducting is supplied in long lengths, which means usually only two cuts and two joints are required for each duct run to a room. This drastically reduces the number of different duct items required. This can result in a much quicker and cheaper installation than conventional methods.

Easier to commission - Central flow plenums reduce the need to re-adjust flow around the dwellings and flow terminals do not need to be adjustable.

Improved performance - Flow is smooth, while leaks and restrictions are eliminated, so lower settings on the unit can be utilised. A better installed system should also develop fewer problems in the future.



Semi-rigid

Features & Benefits

- Flow rates are set easily and simply at install, no need for additional commissioning
- Components click together to form airtight secure joints without using messy sealants and unreliable tapes
- Joints can be disassembled and reassembled easily to allow installer adjustment
- Minimal resistance to airflow, due to smooth inner skin
- Ducting remains flexible whilst maintaining profile – the bends do not collapse which is a risk with traditional flexible ducting
- The duct is cut to length on-site meaning no modular connection is required between plenum and air valve
- Successfully used for many years on the continent. Titon have adapted the product specifically to suit installation in new build dwellings in the UK
- Individual rooms connected to sound absorbing plenum to help overcome noise transfer, reducing the risk of noise pollution from outside the dwelling whilst eliminating 'cross talk' between rooms

There are considerations to be made in order to achieve these advantages - however, with forethought these can be incorporated to allow a semi-rigid ducted system to be used:




Design ahead - Some extra room is required near the ventilation unit for the inclusion of the plenum boxes, so this has to be discussed at the point of house design.






Duct runs - As each room is ducted separately, which helps control specific airflow, duct layout and provision for it must be planned.

Familiarity for contractors - It will take one or two installations before contractors become used to the system and can then reap the benefits of its simplicity.

Cost - The system parts are typically more expensive per property than rigid ducting, however savings can be made due to the reduced labour cost in installing each system.

Semi-Rigid Components

	Product Code	Product Description
	DSR122	Insulated 8 port manifold
	DSR007	Restriction ring
	DSR022	Universal diffuser (Extract & Supply)

	Product Code	ø92mm	Product Code		ø75mm
	DSR008	Semi-Rigid ducting - Blue	DSR052		Semi-Rigid ducting - Red
	DSR004	Manifold to duct connector	DSR050		Manifold to duct connector
	DSR010	Duct to duct connector	DSR049		Duct to duct connector
	DSR013	Duct to diffuser straight connector	DSR077		Duct to diffuser straight connector
	DSR016	90° bend	DSR078		90° bend
	89706	Insulation sleeve x 10m	89707		Insulation sleeve x 10m
	DSR126	Duct to diffuser 90° connector	DSR125		Duct to diffuser 90° connector