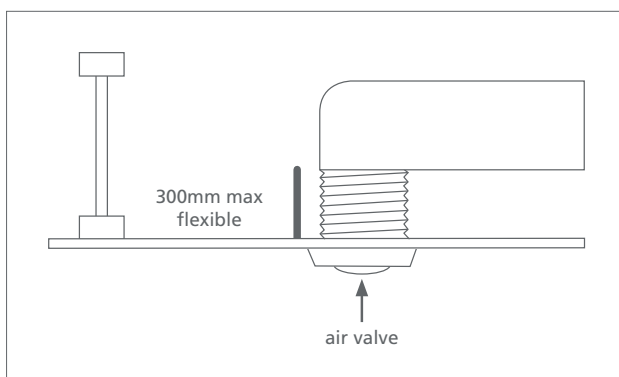


Installation best practice







Installation and positioning of air valves and external grilles:

- ▶ The air valve shall be located on the opposite side of the room from internal opening doors creating a cross flow of air
- ▶ Should not be located less than 200mm to walls when installed on a ceiling
- ▶ Should not be located less than 400mm from a ceiling when installed on a wall
- ▶ Kitchen extract grilles should be a minimum of 600mm away from the hob

Air Valves should be lockable to prevent tampering once the system has been installed and commissioned.



All grille locations should take into consideration room layouts and be positioned in such a way to minimise down draughts over seating and sleeping areas.

			Application		
Image	Part No	Diameter	Wall	Sus Ceiling	Fire Rated
	136-05	125mm			
	136-06	150mm			
	136-25	100mm			
	136-26	125mm			
	136FR-25m	100mm			
	136FR-26m	125mm			
		150mm			

Complying with Building Regulations

Extract Ventilation Rates			
Room	Intermittent Extract		Continuous Extract
	Minimum rate	Minimum high rate	Minimum low rate
Kitchen	30l/s adjacent to hob, or 60l/s elsewhere		Total extract rate should be at least the whole dwelling ventilation rate given in the table below.
Utility Room	30l/s	8l/s	
Bathroom	15l/s	8l/s	
Sanitary Accommodation	6l/s	6l/s	

Whole Dwelling Ventilation Rates					
	Number of bedrooms in dwelling				
	1	2	3	4	5
Whole dwelling ventilation rate a.b. (l/s)	13	17	21	25	29

Note:









- In addition, the minimum ventilation rates should be no less than 0.3l/s per m² of internal floor area (this includes all floors, e.g. for a two-storey building, add the ground and first floor areas).
- This is based on two occupants in the main bedroom and a single occupant in all other bedrooms. This should be used as the default value. If a greater level of occupancy is expected, add 4l/s per occupant.

Internal Duct Terminals

Ø100mm System (Free Area 7,850mm²)

	Code	Description	Colour	Size (mm)	Connection
	136-04	Air Valve Extract or Supply	White	H147xW147xD43	Male
	136-24	Air Valve Extract or Supply Suspended Ceiling	White	H147xW147xD75	Male
	136FR-24M	Air Valve Extract or Supply Suspended Ceiling (Fire Rated)	White	H200xW200xD88	Male
	4908F	Multi-Directional Diffuser with Filter	White	H154xW154xD64	Male
	40AF	Environmental Filter Spare Part	Grey	N/A	N/A
	40AFP	Pollen Filter Spare Part	Grey	N/A	N/A
	4907W	Rigid Duct Diffuser	White	H140xW140xD70	Male
	4907CH	Rigid Duct Diffuser	Chrome	H140xW140xD70	Male

Ø125mm System (Free Area 12,266mm²)

	Code	Description	Colour	Size (mm)	Connection
	136-05	Air Valve Extract or Supply	White	H165xW165xD40	Male
	136-25	Air Valve Extract or Supply Suspended Ceiling	White	Hx165W165xD78	Male
	136FR-25M	Air Valve Extract or Supply Suspended Ceiling (Fire Rated)	White	H166xW166xD58	Male
	5907W	Rigid Duct Diffuser	White	H165xW165xD71	Male
	ART125-CF1S	Architectural Room Terminal Curved	Silver	H202xW208xD100	N/A
	ART125-CF1BM	Architectural Room Terminal Curved	Brushed Metal	H202xW208xD100	N/A
	ART125-CF1W	Architectural Room Terminal Curved	White	H202xW208xD100	N/A
	ART125-DT15	Architectural Room Terminal Circular Indent	Silver	H200xW200xD88	N/A