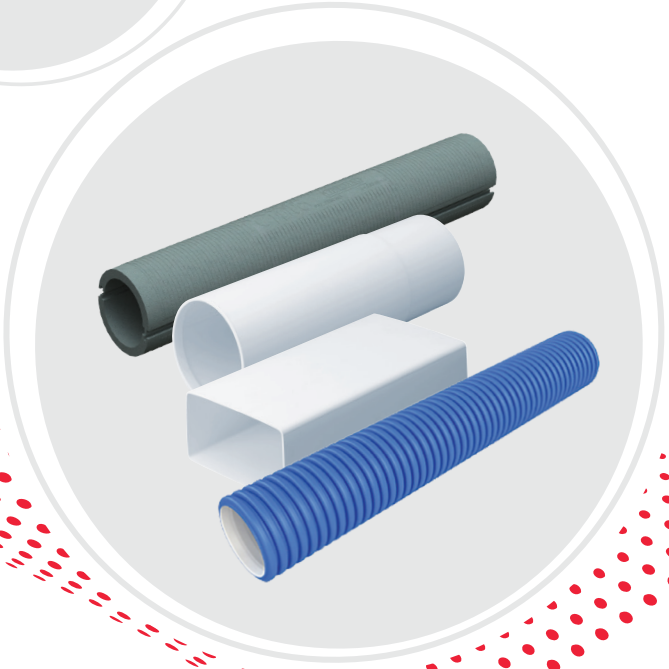
DOMUS VENTILATION

DOMUS VENTILATION DUCTING RANGE

Most comprehensive selection of top-quality performance Ducting



YOUR VENTILATION SPECIALIST

03443 715 523

www.domusventilation.co.uk

domusventilation_

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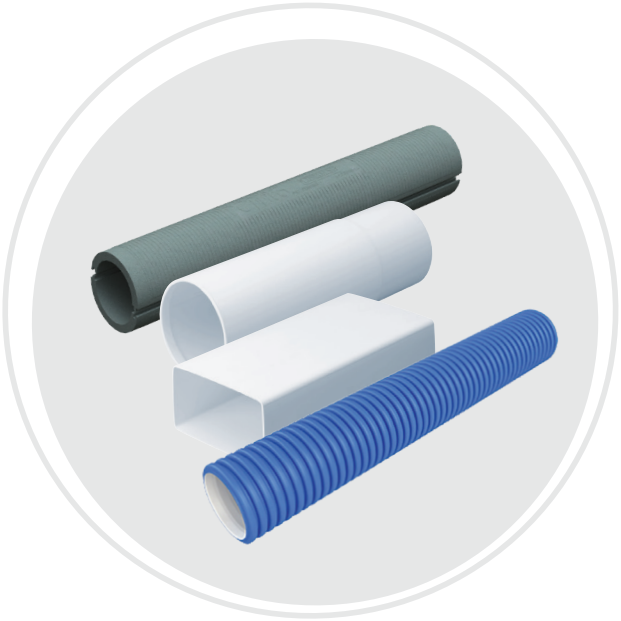


YOUR ONE STOP SHOP

- We have the widest range of duct products to suit any application
- Specifically designed to minimise resistance and assist in delivering high efficiency
- Unique high efficiency green line duct bends
- Our rage allows you to be fully compliant with Domus Ventilations unique thermal ducting system
- Quick availability through our national network of stockists, we offer a dedicated and managed logistics fleet, who are dedicated to providing efficient, quick and reliable delivery.
- FREE technical drawing service – let us take the burden away

ALL ABOUT DUCTING

At Domus Ventilation, you'll find the most comprehensive selection of high-quality plastic ducting available in the industry.

Round duct

The original round pipe method which offers improved flow rates

Radial duct

Minimise air leakage, reduce installation time and number of fittings. This hygiene duct requires no traditional tape or sealant and is also ideal for tight spaces

Flat rate

An effective space saving solution

Thermal duct

Specialist insulation solutions that assist with Building Regulations requirements

The all-in-one solution

Domus Ventilation offers the complete system with duct and accessories, offering guaranteed compatibility, quality of fit and peace of mind.

Our duct working systems are ideally sized to comply with building regulation requirements, making them the optimal companion to our mechanical units.

From project concept through to completion, Domus Ventilation can guide you through the whole process

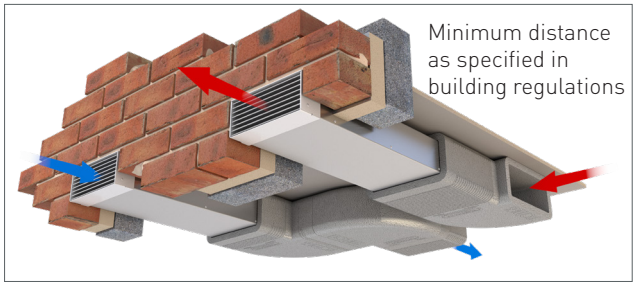
BEST PRACTICE GUIDE

The following is offered as Best Practice guidance only, with information taken from statutory bodies including 'Approved Document F – Ventilation' (2010 edition incorporating 2010 and 2013 amendments).

All Domus Ventilation products comply with the latest regulatory governance, with supporting literature such as Installation & Maintenance manuals.

Duct arrangement

External vents should be separated by a minimum of 300mm horizontally, if placed on the same façade.

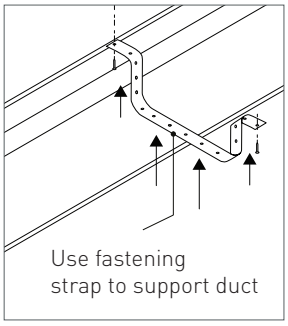


Why metal external air bricks?

This has been brought in due to legislation changes, Part B fire regulations have recently changed and now confirm that no combustible material i.e. pvc is to be installed in a cavity within or on external surface of an external wall above 11m in Scotland and above 18m in England and Wales therefore giving us no option but to design and manufacture a metal version.

Fixing and supporting ducts

Duct clips or support banding should be positioned at equal distances and no more than 750mm apart. Ducting should not be positioned in direct contact with other surfaces, such as plasterboard ceilings, to prevent noise transfer into the dwelling.



Joining of ducts

We recommend that all ducts be connected and sealed using a non-hardening sealant to minimise air leakage. Consideration should be made to ducts installed in non-accessible areas, such as a ceiling void, to have a permanent fixing in place to supplement the sealing preventing dislodging or movement during or after installation. The use of duct tape is permitted but should not be used as the only method of providing an airtight seal.

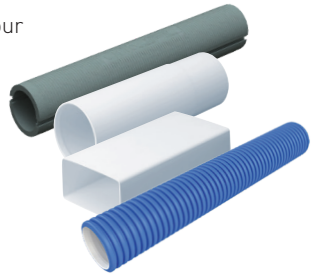
Sizing of ducts

All ducting should be sized in accordance with current building regulations. When using MEV and MVHR systems, the ducting selected should be suitable for use with the product types.

Domus Ventilation recommends that a minimum duct size of 204x60mm or 125mm be used with MEV and MVHR systems, to maintain an even distribution of airflow and low duct velocity.

Please see pages 39 -71 for all pressure drop calculations on our rigid ducting systems.

Domus semi-rigid radial ducting systems may also be used, contact Domus Ventilation for further information.



RIGID DUCTING

As a branch based system, rigid duct is ideal for new-build or for where space isn't restricted and can be used with MVHR, MEV, dMEV or intermittent extract.

Key features

- Available in six different profiles to suit any application
- Comes with a full set of adapters to enable a simple or complex system
- High levels of air tightness and system efficiency
- Supported by patented duct insulation, fire stopping and sound attenuation components
- Range includes high efficiency duct bends, designed to reduce duct resistance and overall system energy usage
- Material Flammability Class V0 to BS EN 60695-11-10, 50W Horizontal and Vertical flame test methods

Profile selector & application

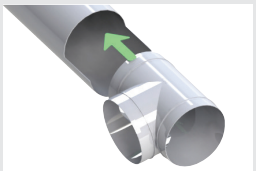
Appliance duct connection size

100mm (4")		125mm (5")		150mm (6")	
What depth is available for the duct?		What depth is available for the duct?		What depth is available for the duct?	
60-105mm	105mm+	65-130mm	130mm+	97-155mm	155mm+
110x54mm	Ø100mm	204x60mm	Ø125mm	220x90mm	Ø150mm

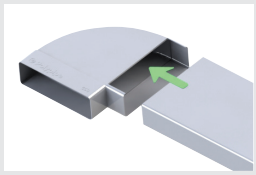
When a profile has been specified and the duct layout designed, the system resistance must be calculated to ensure that the appliance has sufficient power to more than match the resistance of the complete system.

Product	Size	Range	Free Area	Density	Operating Temp
Rectangular					
	110x54mm	System 100	5,300mm^2	1.51g/cm^3	-15° - 60°
	204x60mm	Supertube	11,200mm^2	1.51g/cm^3	-15° - 60°
	220x90mm	Megaduct	17,968mm^2	1.51g/cm^3	-15° - 60°
Round					
	Ø100mm	EasiPipe 100	7,850mm^2	1.51g/cm^3	-15° - 60°
	Ø125mm	EasiPipe 125	12,266mm^2	1.51g/cm^3	-15° - 60°
	Ø150mm	EasiPipe 150	17,263mm^2	1.51g/cm^3	-15° - 60°

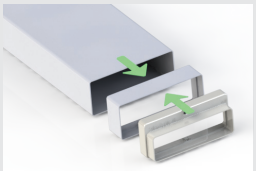
Where components are listed with one of three connection profiles; Male, Female or Duct.



Male:
The fitting will fit inside duct.



Female:
The fitting will fit around duct.



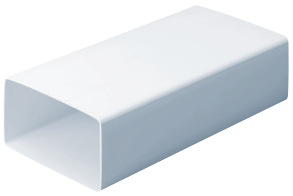
Duct:
The connection profile is the same as the duct and may need a Female or Male straight connector to couple to duct.

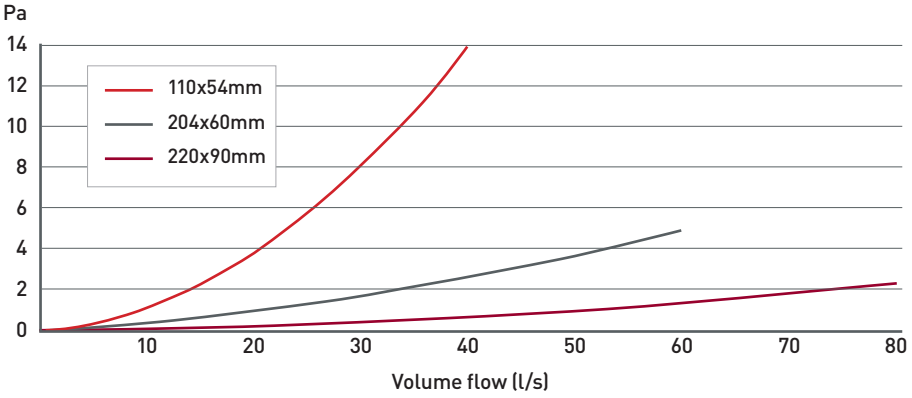
NOTE. UL94 is now harmonized with BS EN 60695-11-10. So either UL94-V0 or Class V0 to BS EN 60695-11-10 would be equivalent.

RIGID DUCTING | RECTANGULAR

All performance data has been taken from BRE Test Report PR0393-1004:2015.

Duct – 1m

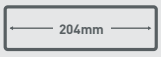




110x54mm System

Free area 5,300mm²

204x60mm System



Free area 11,200mm²

220x90mm System

Free area 17,968mm²

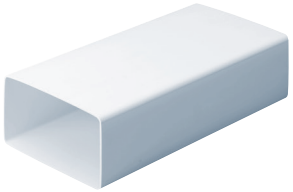
Resistance data in Pascals (Pa)

Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s
110x54mm	0.3	1	2.1	3.7	5.5	8.3	10.2	13.5

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
204x60mm	0.3	0.9	1.6	2.6	3.7	4.7	-	-
220x90mm	0	0.3	0.3	0.5	1.1	1.4	1.6	2.3

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
DD010	110x54mm	1m straight length of ducting	Duct	Extruded uPVC	White	UL94V0	ISO9001
510	204x60mm	1m straight length of ducting	Duct	Extruded uPVC	White	UL94V0	ISO9001
910	220x90mm	1m straight length of ducting	Duct	Extruded uPVC	White	UL94V0	ISO9001

Duct – 1.5m



110x54mm System

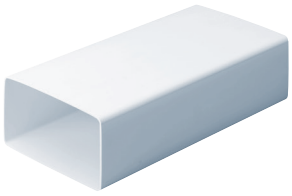
204x60mm System

220x90mm System

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
DD015	110x54mm	1.5m straight length of ducting	Duct	Extruded uPVC	White	UL94V0	ISO9001
515	204x60mm	1.5m straight length of ducting	Duct	Extruded uPVC	White	UL94V0	ISO9001
915	220x90mm	1.5m straight length of ducting	Duct	Extruded uPVC	White	UL94V0	ISO9001

RIGID DUCTING | RECTANGULAR

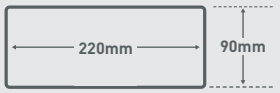
Duct – 2m



110x54mm System

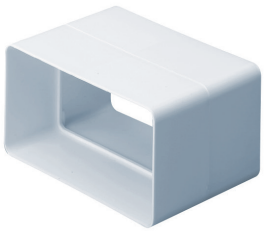
204x60mm System

220x90mm System



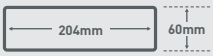
Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
D1-2000	110x54mm	2m straight length of ducting	Duct	Extruded uPVC	White	UL94V0	ISO9001
D3-2000	204x60mm	2m straight length of ducting	Duct	Extruded uPVC	White	UL94V0	ISO9001
D4-2000	220x90mm	2m straight length of ducting	Duct	Extruded uPVC	White	UL94V0	ISO9001

Straight Duct Connector

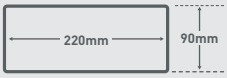


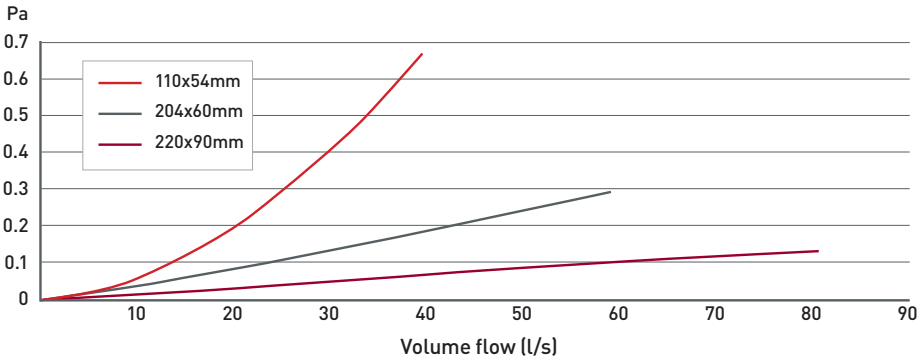
110x54mm System

204x60mm System



220x90mm System





Resistance data in Pascals (Pa)

Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s	-
110x54mm	0	0	0.2	0.1	0.3	0.2	0.7	0.6	-

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s	@90l/s
204x60mm	0	0	0.2	0.2	0.2	0.3	0.4	0.5	0.3
220x90mm	0	0	0.1	0.1	0	0.1	0.2	0.1	-

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
DD020	110x54mm	Straight Duct Connector	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
520	204x60mm	Straight Duct Connector	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
920	220x90mm	Straight Duct Connector	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

RIGID DUCTING | RECTANGULAR

Straight Duct Connector with Damper

110x54mm System

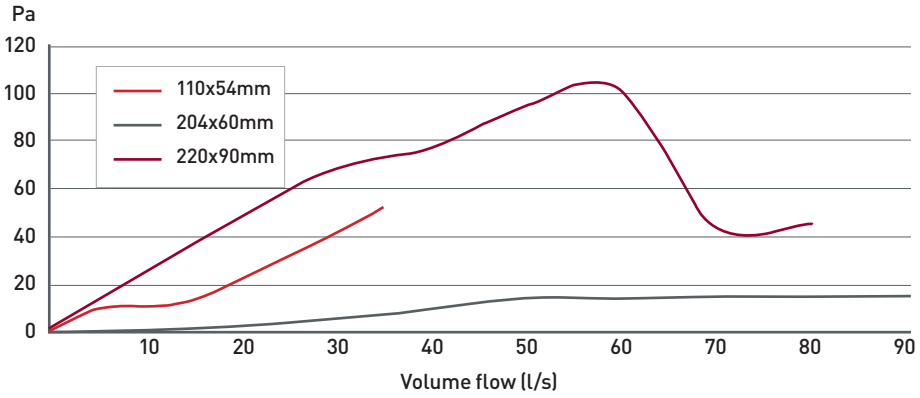
110mm × 54mm — Free area 5,300mm²

204x60mm System

204mm × 60mm — Free area 11,200mm²

220x90mm System

220mm × 90mm — Free area 17,968mm²



Resistance data in Pascals (Pa)

Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	-
110x54mm	9.4	10.6	13.1	21.9	31.4	41	51.7	-

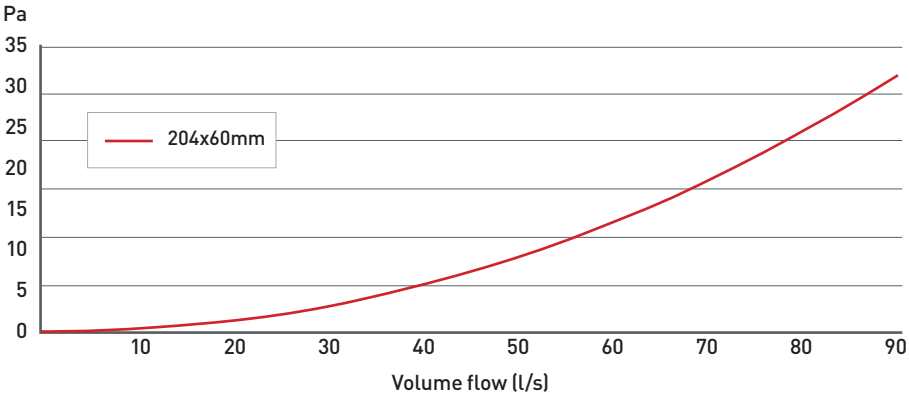
Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s	@90l/s
204x60mm	0.8	2.9	6.5	11.1	17.1	16.8	17.7	17.8	18
220x90mm	23.6	47.3	68.6	77.5	94.9	102.1	43.8	44.6	-

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
DD027	110x54mm	Straight Duct Connector with Damper	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
527	204x60mm	Straight Duct Connector with Damper	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
927	220x90mm	Straight Duct Connector with Damper	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

Universal Duct Connector

204x60mm System

204mm × 60mm — Free area 11,200mm²



Resistance data in Pascals (Pa)

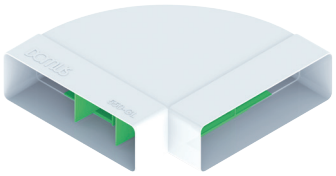
Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s	@90l/s
204x60mm	0.3	1.4	3.5	6	8.9	13.5	18.8	24.4	32.3

Code	Duct Size	Description	Connection	Material	Colour	Manufactured to
5B303	204x60mm	Universal Duct Connector	Male	Santroprene	Black	ISO9001

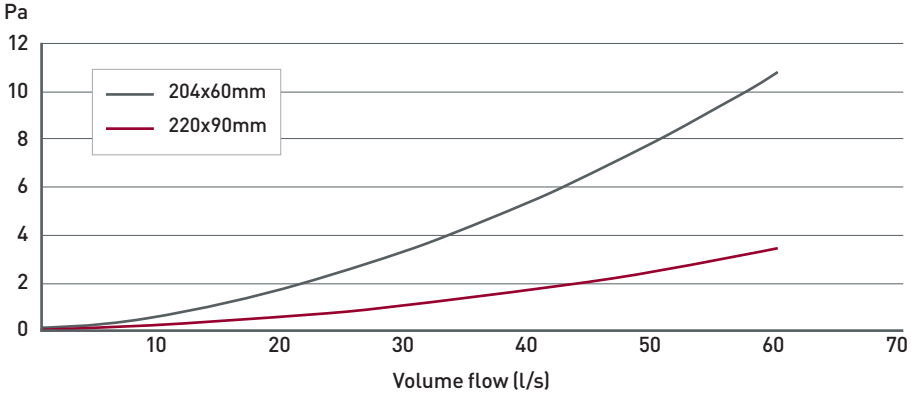
*Includes two Domus Ventilation 520 straight connectors in test data

RIGID DUCTING | RECTANGULAR

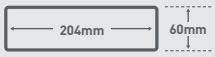
90º Horizontal Green Line® High Efficiency Bend



The colour of the internal vanes as shown in the image is illustrative (manufactured in white).

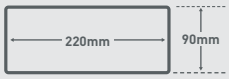


204x60mm System



Free area 11,200mm²

220x90mm System



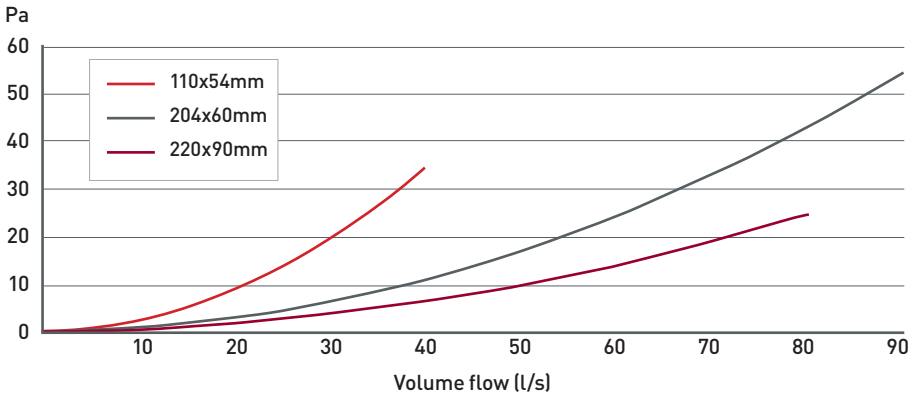
Free area 17,968mm²

Resistance data in Pascals (Pa)

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
204x60mm	0.4	1.5	3.5	5.4	7.5	10.5	-	-
220x90mm	0.2	0.5	1	1.5	2.4	3.3	4.4	5.4

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
550-GL	204x60mm	90º Horizontal Bend High Efficiency	Female	Injection Moulded Hips (High Impact Polystyrene)	White	UL94HB	ISO9001
950-GL	220x90mm	90º Horizontal Bend High Efficiency	Female	Injection Moulded Hips (High Impact Polystyrene)	White	UL94HB	ISO9001

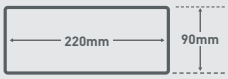
90º Horizontal Bend



110x54mm System

204x60mm System

220x90mm System



Resistance data in Pascals (Pa)

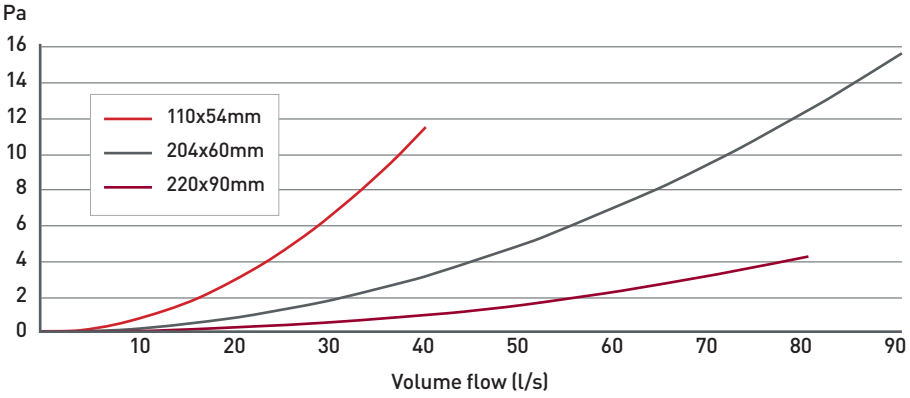
Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s	-
110x54mm	0.7	2.3	5	8.7	13.4	19.3	26.2	34.3	-

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s	@90l/s
204x60mm	0.8	2.9	6.4	10.9	16.8	23.9	32.7	43.1	54.2
220x90mm	0.3	0.9	2.3	3.5	5.5	7.7	10.7	13.8	-

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
DD050	110x54mm	90º Horizontal Bend	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
550	204x60mm	90º Horizontal Bend	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
950	220x90mm	90º Horizontal Bend	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

RIGID DUCTING | RECTANGULAR

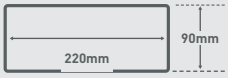
45º Horizontal Bend



110x54mm System

204x60mm System

220x90mm System



Resistance data in Pascals (Pa)

Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s	-
110x54mm	0.3	0.8	1.6	3	4.6	6.5	9	11.6	-

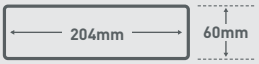
Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s	@90l/s
204x60mm	0.3	0.8	1.9	3.1	4.9	7.1	9.6	12.6	15.7
220x90mm	0.1	0.3	0.6	1	1.6	2.3	3.3	4.3	-

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
DD055	110x54mm	45º Horizontal Bend	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
555	204x60mm	45º Horizontal Bend	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
955	220x90mm	45º Horizontal Bend	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

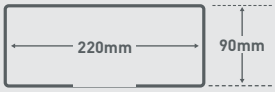
Horizontal T Piece

110x54mm System

204x60mm System

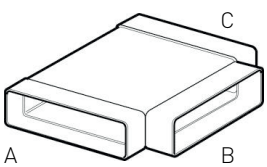


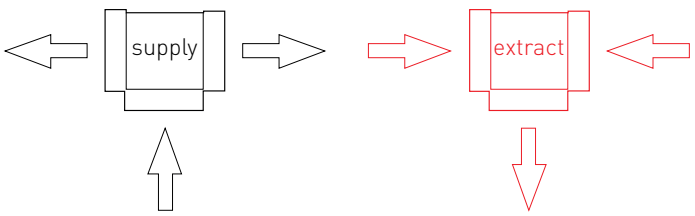
220x90mm System



Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
DD080	110x54mm	Horizontal T Piece	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
582	204x60mm	Horizontal T Piece	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
982	220x90mm	Horizontal T Piece	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

For codes DD080, 582, 982

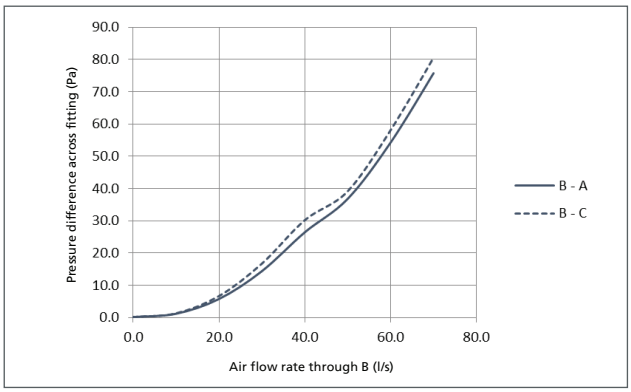


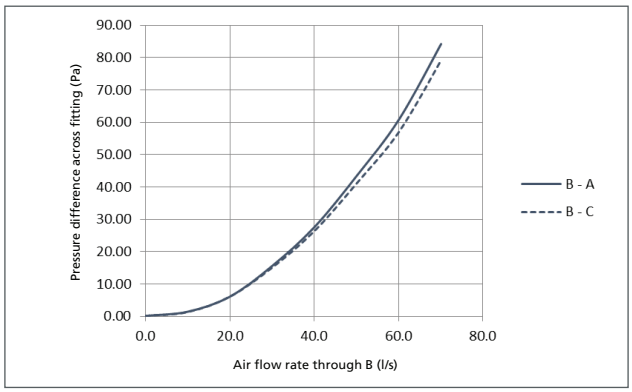


For further information please contact our Design Team at **vent.projects@domusventilation.co.uk**

RIGID DUCTING | RECTANGULAR

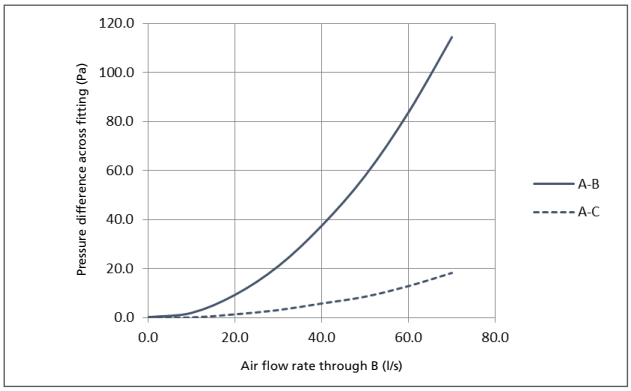
Performance data: DOMUS DD080

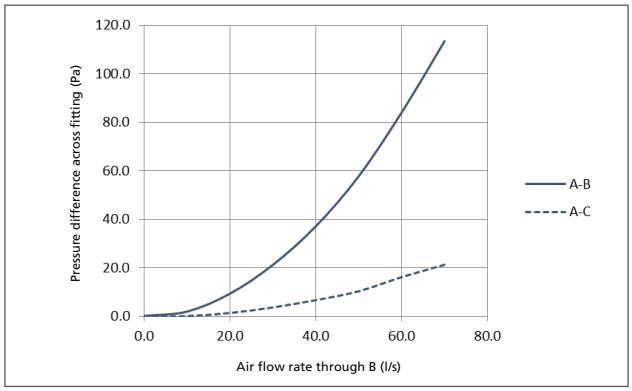




DOMUS DD080 (30-100-70)								
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70
30% Airflow rate (l/s) at A	0	3	6	9	12	15	18	21
Pressure drop (Pa) B-A	0.1	1.1	5.7	14.3	26.4	36.8	54.3	75.8
70% Airflow rate (l/s) at C	0	7	14	21	28	35	42	49
Pressure drop (Pa) B-C	0.1	1.2	6.6	16.6	30.1	39.1	58.1	80.6

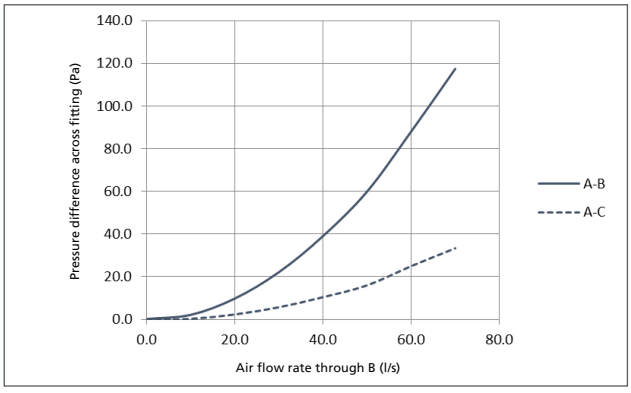
DOMUS DD080 (50-100-50)								
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70
50% Airflow rate (l/s) at A	0	5	10	15	20	25	30	35
Pressure drop (Pa) B-A	0.1	1.4	6.1	15.5	27.5	43.4	60.8	84.1
50% Airflow rate (l/s) at C	0	5	10	15	20	25	30	35
Pressure drop (Pa) B-C	0.1	1.3	6.1	15.0	26.3	41.1	57.0	79.1



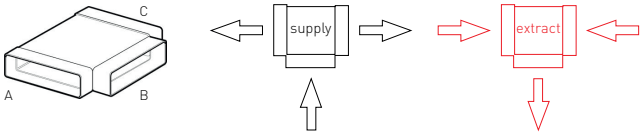


DOMUS DD080 (100-30-70)								
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70
30% Airflow rate (l/s) at B	0	3	6	9	12	15	18	21
Pressure drop (Pa) A-B	0.1	1.8	9.2	20.9	37.4	57.8	83.7	114.4
70% Airflow rate (l/s) at C	0	7	14	21	28	35	42	49
Pressure drop (Pa) A-C	0.1	0.0	1.3	3.0	5.7	8.5	12.9	18.3

DOMUS DD080 (100-50-50)								
100% Airflow rate V (l/s) at A	0	10	20	30	40	50	60	70
50% Airflow rate (l/s) at B	0	5	10	15	20	25	30	35
Pressure drop (Pa) A-B	0.1	1.9	9.3	21.1	37.0	57.7	84.0	113.3
50% Airflow rate (l/s) at C	0	5	10	15	20	25	30	35
Pressure drop (Pa) A-C	0.1	0.2	1.5	3.7	6.7	10.4	16.2	21.2

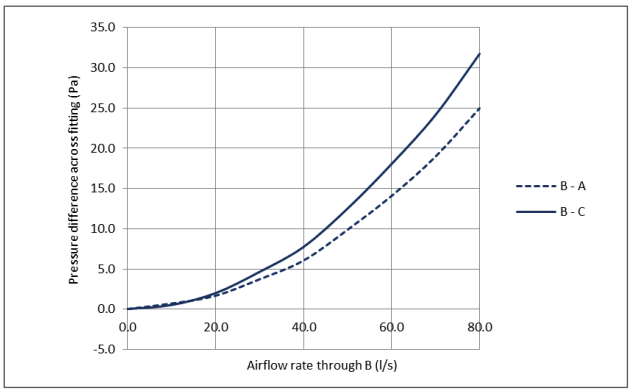


DOMUS DD080 (100-70-30)								
100% Airflow rate V (l/s) at A	0	10	20	30	40	50	60	70
70% Airflow rate (l/s) at B	0	7	14	21	28	35	42	49
Pressure drop (Pa) A-B	0.1	2.0	9.7	22.0	38.9	59.8	88.0	117.4
30% Airflow rate (l/s) at C	0	3	6	9	12	15	18	21
Pressure drop (Pa) A-C	0.1	0.4	2.5	5.8	10.5	16.0	24.9	33.2

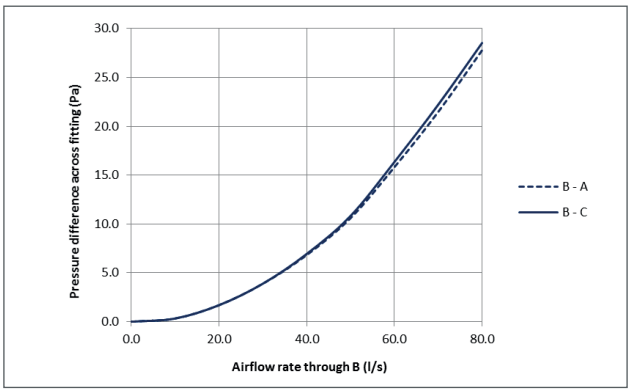


RIGID DUCTING | RECTANGULAR

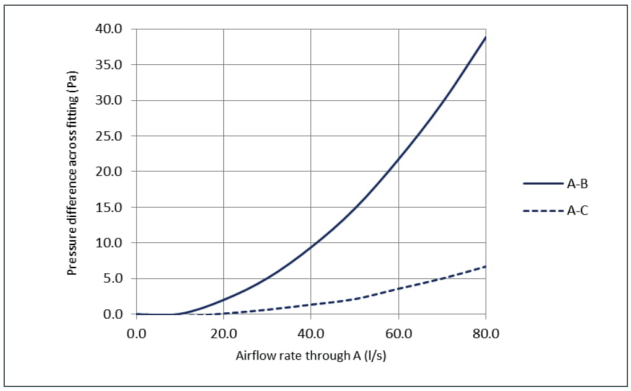
Performance data: DOMUS 582



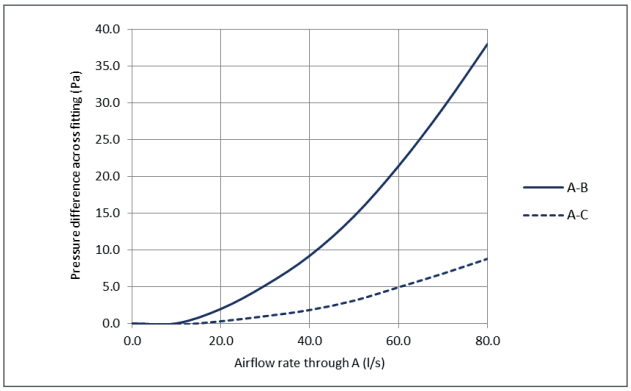
DOMUS 582 (30-100-70)									
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70	80
30% Airflow rate (l/s) at A	0	3	6	9	12	15	18	21	24
Pressure drop (Pa) B-A	0.0	0.7	1.6	3.7	6.0	9.9	14.1	19.0	25.0
70% Airflow rate (l/s) at C	0	7	14	21	28	35	42	49	56
Pressure drop (Pa) B-C	0.0	0.5	2.0	4.6	7.7	12.5	18.0	24.2	31.8



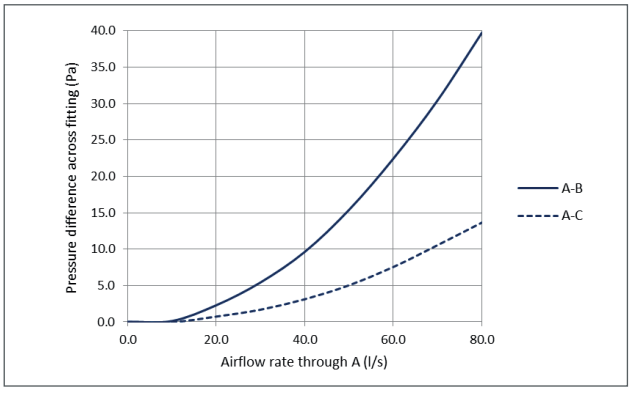
DOMUS 582 (50-100-50)									
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70	80
50% Airflow rate (l/s) at A	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) B-A	0.0	0.3	1.7	3.9	6.8	10.6	15.8	21.5	27.8
50% Airflow rate (l/s) at C	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) B-C	0.0	0.3	1.7	3.9	6.9	10.8	16.3	22.2	28.5



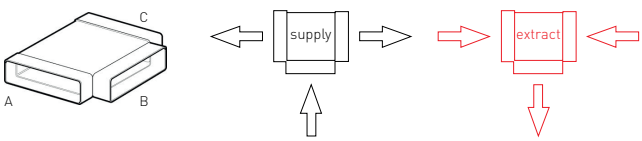
DOMUS 582 (100-30-70)									
100% Airflow rate V (l/s) at A	0	10	20	30	40	50	60	70	80
30% Airflow rate (l/s) at B	0	3	6	9	12	15	18	21	24
Pressure drop (Pa) A-B	0.0	0.1	2.0	5.1	9.4	14.9	21.8	29.7	38.9
70% Airflow rate (l/s) at C	0	7	14	21	28	35	42	49	56
Pressure drop (Pa) A-C	0.0	-0.3	0.1	0.6	1.3	2.1	3.5	5.0	6.7



DOMUS 582 (100-50-50)									
100% Airflow rate V (l/s) at A	0	10	20	30	40	50	60	70	80
50% Airflow rate (l/s) at B	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) A-B	0.0	0.0	2.0	5.2	9.2	14.6	21.4	29.3	38.0
50% Airflow rate (l/s) at C	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) A-C	0.0	-0.2	0.3	1.0	1.8	3.1	4.9	6.8	8.8

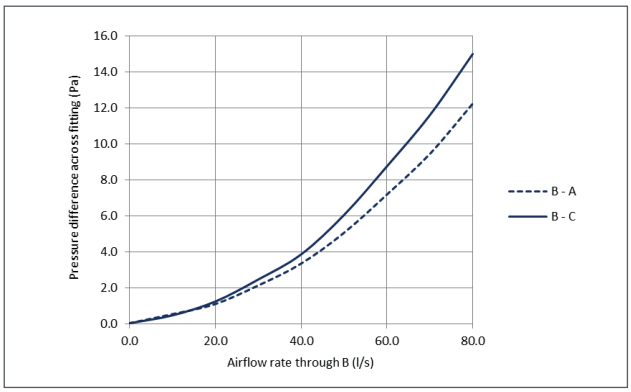


DOMUS 582 (100-70-30)									
100% Airflow rate V (l/s) at A	0	10	20	30	40	50	60	70	80
70% Airflow rate (l/s) at B	0	7	14	21	28	35	42	49	56
Pressure drop (Pa) A-B	0.0	0.1	2.3	5.4	9.6	15.4	22.4	30.5	39.8
30% Airflow rate (l/s) at C	0	3	6	9	12	15	18	21	24
Pressure drop (Pa) A-C	0.0	0.0	0.7	1.7	3.1	5.1	7.6	10.6	13.7

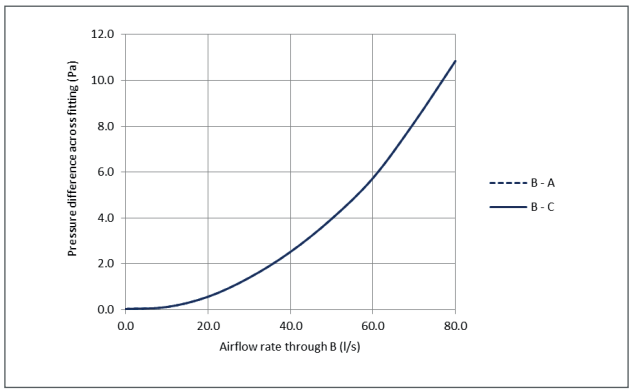


RIGID DUCTING | RECTANGULAR

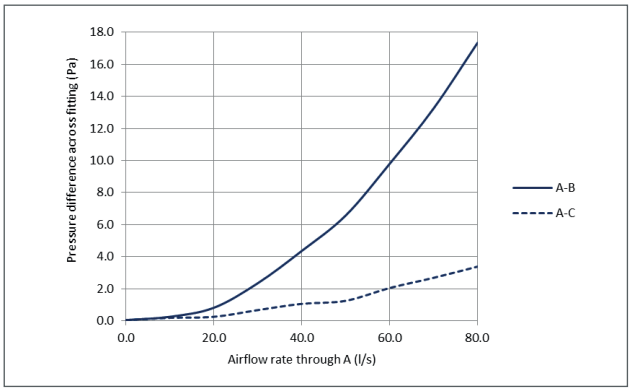
Performance data: DOMUS 982



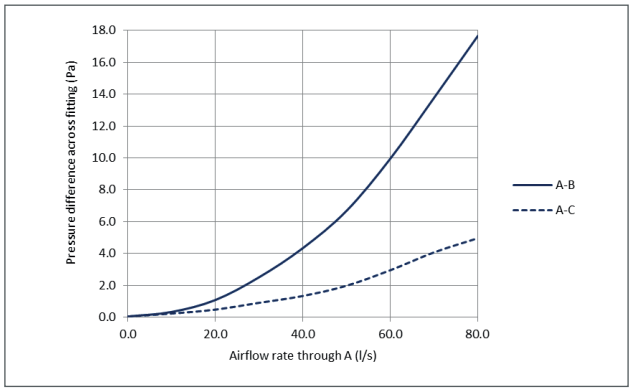
DOMUS 982 (30-100-70)									
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70	80
30% Airflow rate (l/s) at A	0	3	6	9	12	15	18	21	24
Pressure drop (Pa) B-A	0.0	0.5	1.1	2.1	3.3	5.1	7.2	9.4	12.2
70% Airflow rate (l/s) at C	0	7	14	21	28	35	42	49	56
Pressure drop (Pa) B-C	0.0	0.5	1.2	2.5	3.8	6.0	8.7	11.6	15.0



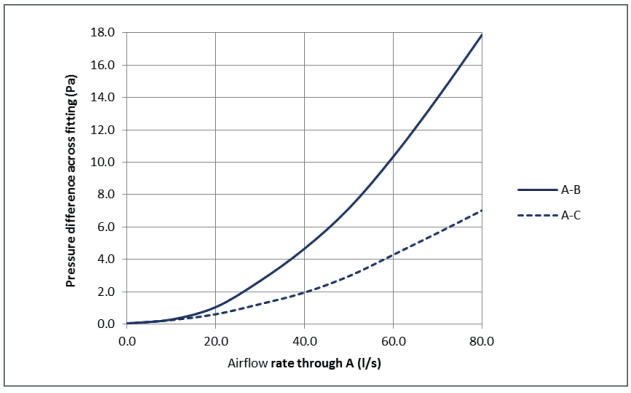
DOMUS 982 (50-100-50)									
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70	80
50% Airflow rate (l/s) at A	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) B-A	0.0	0.1	0.6	1.4	2.5	4.0	5.7	8.2	10.8
50% Airflow rate (l/s) at C	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) B-C	0.0	0.1	0.6	1.4	2.5	4.0	5.7	8.2	10.8



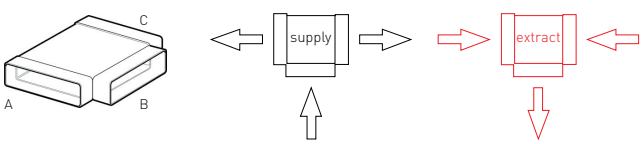
DOMUS 982 (100-30-70)									
100% Airflow rate V (l/s) at A	0	10	20	30	40	50	60	70	80
30% Airflow rate (l/s) at B	0	3	6	9	12	15	18	21	24
Pressure drop (Pa) A-B	0.0	0.2	0.8	2.3	4.3	6.6	9.8	13.2	17.3
70% Airflow rate (l/s) at C	0	7	14	21	28	35	42	49	56
Pressure drop (Pa) A-C	0.0	0.2	0.2	0.7	1.0	1.2	2.0	2.7	3.4



DOMUS 982 (100-50-50)									
100% Airflow rate V (l/s) at A	0	10	20	30	40	50	60	70	80
50% Airflow rate (l/s) at B	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) A-B	0.0	0.3	1.1	2.5	4.3	6.7	9.9	13.8	17.6
50% Airflow rate (l/s) at C	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) A-C	0.0	0.2	0.5	0.9	1.3	2.0	2.9	4.1	4.9

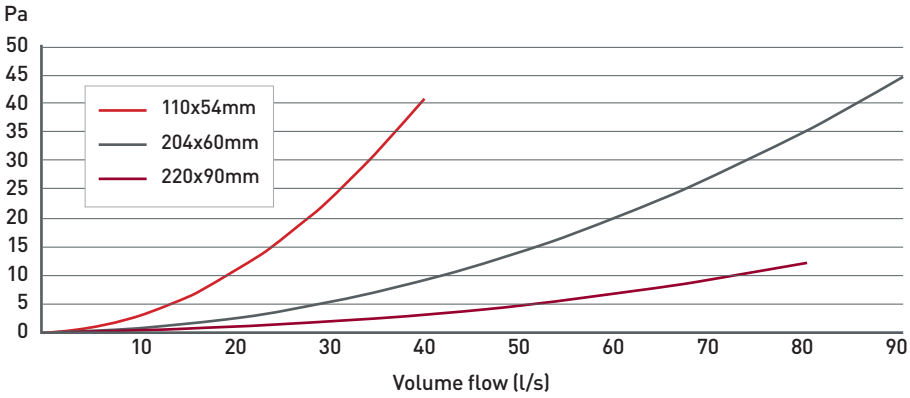


DOMUS 982 (100-70-30)									
100% Airflow rate V (l/s) at A	0	10	20	30	40	50	60	70	80
70% Airflow rate (l/s) at B	0	7	14	21	28	35	42	49	56
Pressure drop (Pa) A-B	0.0	0.3	1.0	2.7	4.6	7.1	10.3	14.0	17.9
30% Airflow rate (l/s) at C	0	3	6	9	12	15	18	21	24
Pressure drop (Pa) A-C	0.0	0.2	0.6	1.2	1.9	3.0	4.3	5.6	7.0



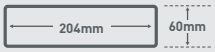
RIGID DUCTING | RECTANGULAR

90º Vertical Bend



110x54mm System

204x60mm System



220x90mm System

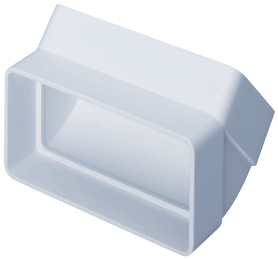
Resistance data in Pascals (Pa)

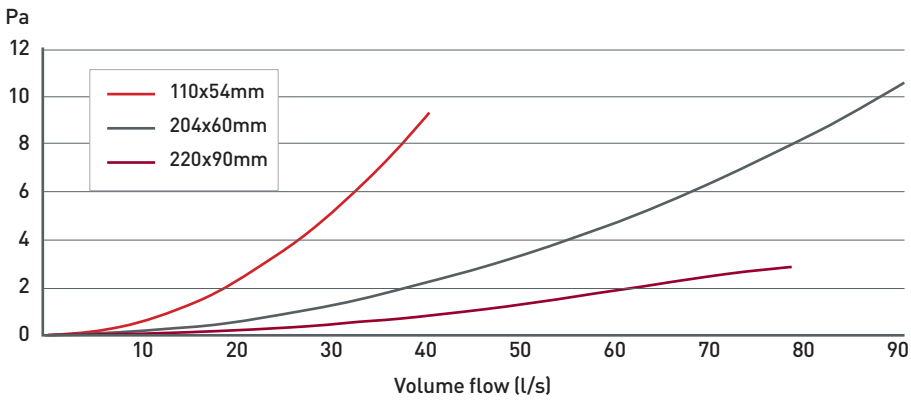
Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s	-
110x54mm	0.8	2.5	5.8	10.6	15.6	22.7	31.3	40.2	-

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s	@90l/s
204x60mm	0.7	2.4	5.2	8.9	13.9	19.7	26.7	35.4	44.1
220x90mm	0.3	0.9	1.8	3.1	4.6	6.6	9.2	11.9	-

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
DD060	110x54mm	90º Vertical Bend	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
560	204x60mm	90º Vertical Bend	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
960	220x90mm	90º Vertical Bend	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

45º Vertical Bend

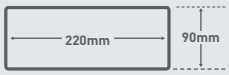




110x54mm System

204x60mm System

220x90mm System



Resistance data in Pascals (Pa)

Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s	-
110x54mm	0.2	0.5	1.3	2.4	3.6	5	7	9.4	-

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s	@90l/s
204x60mm	0.2	0.6	1.3	2.2	3.3	4.7	6.4	8.3	10.5
220x90mm	0.1	0.2	0.5	0.8	1.3	1.9	2.5	3	-

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
DD075	110x54mm	45º Vertical Bend	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
575	204x60mm	45º Vertical Bend	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
975	220x90mm	45º Vertical Bend	Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

RIGID DUCTING | RECTANGULAR

End Caps

Domus Ventilation End Caps provide a quick and easy way of terminating a duct run with an air tight seal.

110x54mm System

204x60mm System

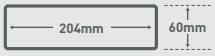
Product	Code	Description	Connection	Material	Colour	System
	DD018	Rigid Duct End cap	Male	HIPS (High Impact Polystyrene)	White	110x54mm
	518	Rigid Duct End cap	Male	HIPS (High Impact Polystyrene)	White	204x60mm

Wall Plates

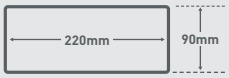
For installation between the duct run and external terminal, these wall plates are a simple way to ensure the duct is securely supported and held in place.

110x54mm System

204x60mm System



220x90mm System



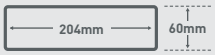
Product	Code	Description	Material	Colour	System
	115-4	Rigid Duct Wall Plate	HIPS (High Impact Polystyrene)	White	110x54mm
	115-5W	Rigid Duct Wall Plate	HIPS (High Impact Polystyrene)	White	204x60mm
	115-5B	Rigid Duct Wall Plate	HIPS (High Impact Polystyrene)	Brown	204x60mm
	115-5C	Rigid Duct Wall Plate	HIPS (High Impact Polystyrene)	Cotswold	204x60mm
	115-5T	Rigid Duct Wall Plate	HIPS (High Impact Polystyrene)	Terra-cotta	204x60mm
	115-6	Rigid Duct Wall Plate	HIPS (High Impact Polystyrene)	White	220x90mm

Duct Clips

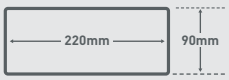
Duct clips are an effective part of the overall duct system and quick and easy to fasten into place. Domus Ventilation Duct Clips securely hold duct runs and prevent them from boding.

110x54mm System

204x60mm System



220x90mm System



Product	Code	Description	Material	Colour	System
	122-4	Rigid Duct Clip	HIPS (High Impact Polystyrene)	White	110x54mm
	522*	Rigid Duct Clip	HIPS (High Impact Polystyrene)	White	204x60mm
	922*	Rigid Duct Clip	HIPS (High Impact Polystyrene)	White	220x90mm

*Two components per fitting required

RIGID DUCTING | ROUND

Domus rigid duct is manufactured from exacting tolerances to virtually eliminate air leakage and reduce pressure drop.

Domus EasiPipe 100 is suitable Bathroom, Toilet and Utility room applications

Ø100mm EasyPipe 100

Free Area 7,850mm²

Ø125mm EasyPipe 125

Free Area 12,266mm²

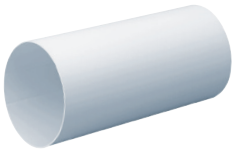
Ø150mm EasyPipe 150

Free Area 17,263mm²

Telescopic Assembly Duct – 0.25-0.45m

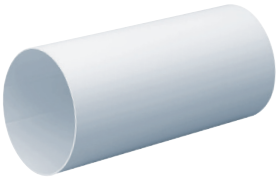
Code	Duct Size	Connection	Material	Colour	Flammability Standards	Manufactured to
130-4	Ø100mm	Duct	Extruded uPVC	White	UL94V0	ISO9001
130-5	Ø125mm	Duct	Extruded uPVC	White	UL94V0	ISO9001
130-6	Ø150mm	Duct	Extruded uPVC	White	UL94V0	ISO9001

Duct – 0.35m Straight Length of Ducting



Code	Duct Size	Connection	Material	Colour	Flammability Standards	Manufactured to
135-4	Ø100mm	Duct	Extruded uPVC	White	UL94V0	ISO9001
135-5	Ø125mm	Duct	Extruded uPVC	White	UL94V0	ISO9001
135-6	Ø150mm	Duct	Extruded uPVC	White	UL94V0	ISO9001

Duct – 1m Straight Length of Ducting



Ø100mm EasyPipe 100

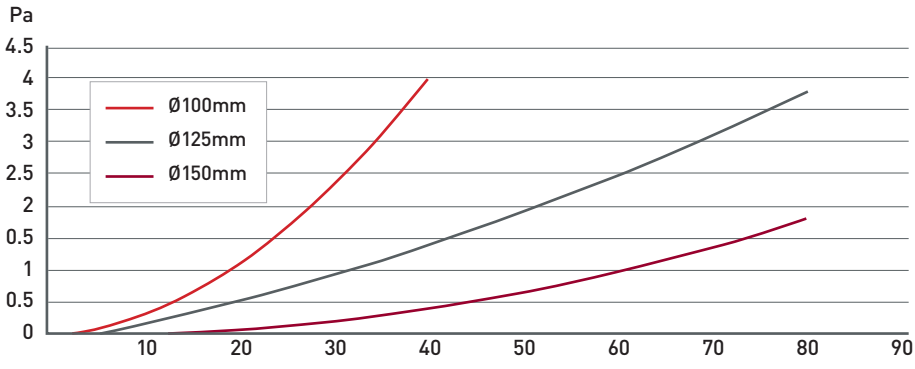
Free Area 7,850mm²

Ø125mm EasyPipe 125

Free Area 12,266mm²

Ø150mm EasyPipe 150

Free Area 17,263mm²



Resistance data in Pascals (Pa)

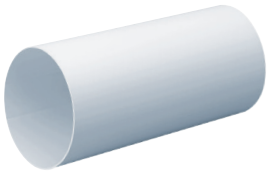
Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s
Ø100mm	0.1	0.3	0.6	1.1	1.6	2.4	3.2	3.9

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
Ø125mm	0.1	0.5	0.8	1.4	2	2.7	3.2	3.7
Ø150mm	0	0.2	0.3	0.3	0.7	1	1.3	1.9

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
1100-4	Ø100mm	1m straight length of ducting	Duct	Extruded uPVC	White	UL94V0	ISO9001
1100-5	Ø125mm	1m straight length of ducting	Duct	Extruded uPVC	White	UL94V0	ISO9001
1100-6	Ø150mm	1m straight length of ducting	Duct	Extruded uPVC	White	UL94V0	ISO9001

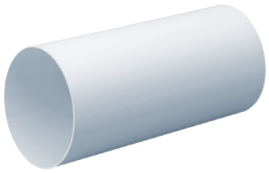
RIGID DUCTING | ROUND

Duct Sleeve – 1m



Code	Duct Size	Connection	Material	Colour	Flammability Standards	Manufactured to
2100-4	Ø100mm	N/A	Extruded uPVC	White	UL94V0	ISO9001
2100-5	Ø125mm	N/A	Extruded uPVC	White	UL94V0	ISO9001
2100-6	Ø150mm	N/A	Extruded uPVC	White	UL94V0	ISO9001

Duct – 2m Straight Length of Ducting



Code	Duct Size	Connection	Material	Colour	Flammability Standards	Manufactured to
1200-4	Ø100mm	Duct	Extruded uPVC	White	UL94V0	ISO9001
1200-5	Ø125mm	Duct	Extruded uPVC	White	UL94V0	ISO9001
1200-6	Ø150mm	Duct	Extruded uPVC	White	UL94V0	ISO9001

Straight Duct Connector

Ø100mm EasyPipe 100

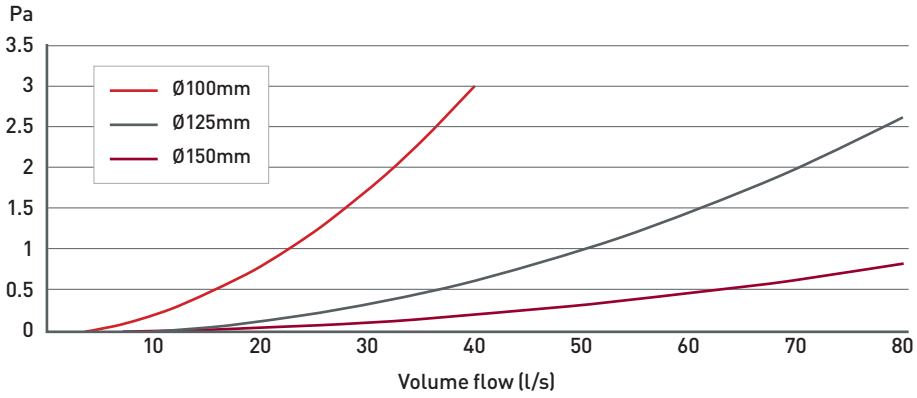
Free Area 7,850mm²

Ø125mm EasyPipe 125

Free Area 12,266mm²

Ø150mm EasyPipe 150

Free Area 17,263mm²



Resistance data in Pascals (Pa)

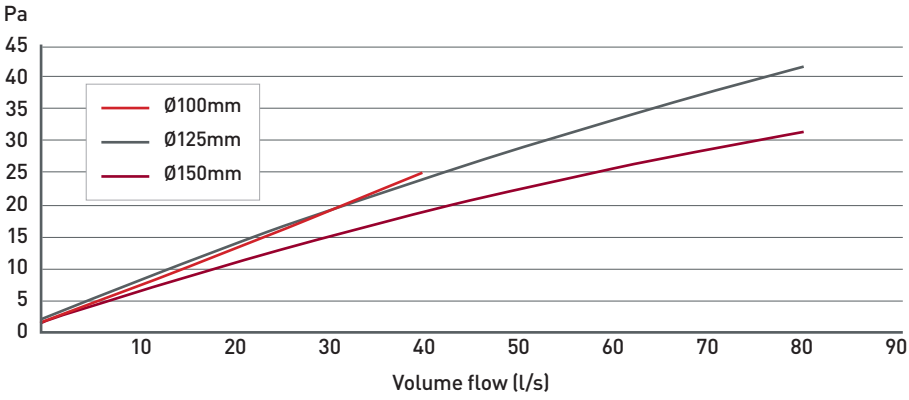
Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s
Ø100mm	0	0.2	0.4	0.8	1.3	1.8	2.3	3

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
Ø125mm	0	0.1	0.3	0.6	1	1.5	2.1	2.5
Ø150mm	0	0.1	0.1	0.2	0.3	0.5	0.7	0.8

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
493	Ø100mm	Straight duct connector	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
593	Ø125mm	Straight duct connector	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
693	Ø150mm	Straight duct connector	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

RIGID DUCTING | ROUND

Straight Connector with Damper



Ø100mm EasyPipe 100

Ø100mm — Free Area 7,850mm²

Ø125mm EasyPipe 125

Ø125mm — Free Area 12,266mm²

Ø150mm EasyPipe 150

Ø150mm — Free Area 17,263mm²

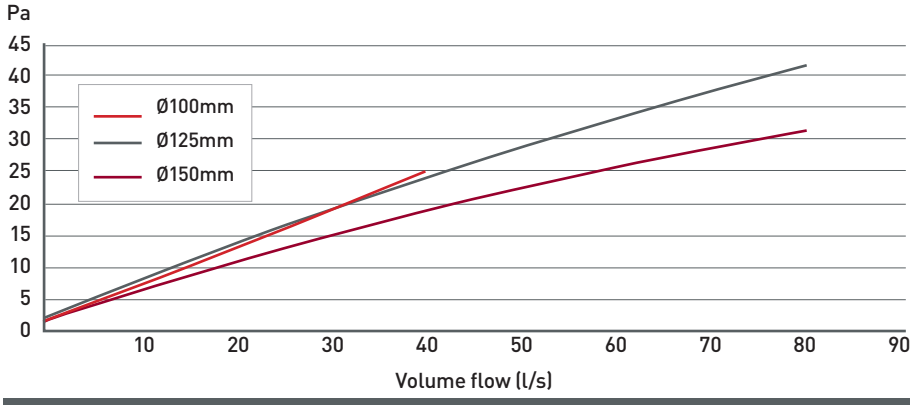
Resistance data in Pascals (Pa)

Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s
Ø100mm	5.5	7.7	9.9	12.1	14.8	18	20.8	24.9

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
Ø125mm	10.1	14.5	18.3	23.5	27.5	32.5	38.6	41.3
Ø150mm	7.7	11.5	14.8	18.4	21.4	25	28.9	31.5

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
494	Ø100mm	Straight Connector with Damper	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
594	Ø125mm	Straight Connector with Damper	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
694	Ø150mm	Straight Connector with Damper	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

Straight Connector with Damper and Wall Plate



Ø100mm EasyPipe 100

Ø100mm — Free Area 7,850mm²

Ø125mm EasyPipe 125

Ø125mm — Free Area 12,266mm²

Ø150mm EasyPipe 150

Ø150mm — Free Area 17,263mm²

Resistance data in Pascals (Pa)

Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s
Ø100mm	5.5	7.7	9.9	12.1	14.8	18	20.8	24.9

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
Ø125mm	10.1	14.5	18.3	23.5	27.5	32.5	38.6	41.3
Ø150mm	7.7	11.5	14.8	18.4	21.4	25	28.9	31.5

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
495	Ø100mm	Straight Connector with Damper and Wall Plate	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
595	Ø125mm	Straight Connector with Damper and Wall Plate	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
695	Ø150mm	Straight Connector with Damper and Wall Plate	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

RIGID DUCTING | ROUND

90º Horizontal Bend

Ø100mm EasyPipe 100

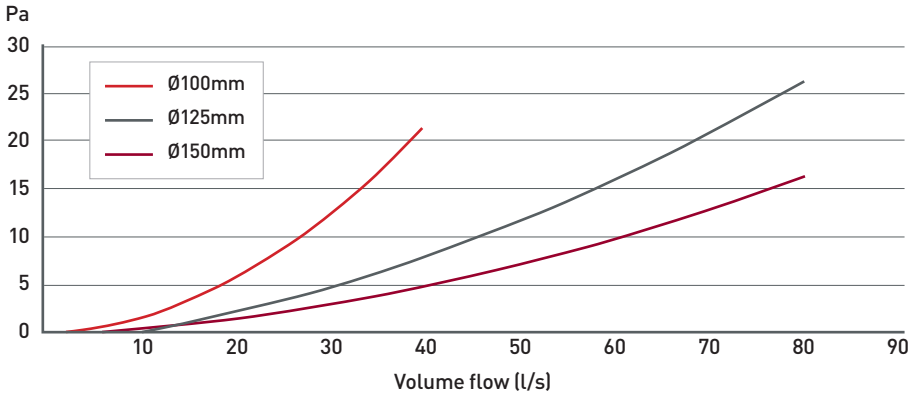
Free Area 7,850mm²

Ø125mm EasyPipe 125

Free Area 12,266mm²

Ø150mm EasyPipe 150

Free Area 17,263mm²



Resistance data in Pascals (Pa)

Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s
Ø100mm	0.4	1.3	3	5.3	8.6	12.2	16	20.8

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
Ø125mm	0.5	1.8	3.9	7.6	11.3	16.2	21	25
Ø150mm	0.3	1.2	2.5	4.6	7.2	9.9	13.2	15.4

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
490	Ø100mm	Rigid Duct 90º Horizontal Bend	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
590	Ø125mm	Rigid Duct 90º Horizontal Bend	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
690	Ø150mm	Rigid Duct 90º Horizontal Bend	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

45º Horizontal Bend

Ø100mm EasyPipe 100

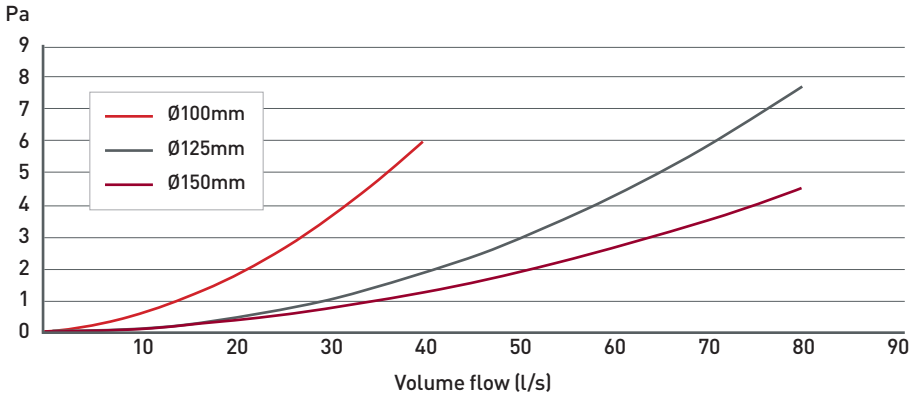
Free Area 7,850mm²

Ø125mm EasyPipe 125

Free Area 12,266mm²

Ø150mm EasyPipe 150

Free Area 17,263mm²



Resistance data in Pascals (Pa)

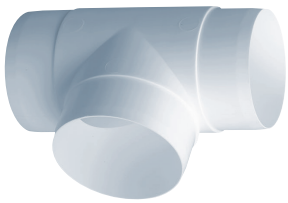
Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s
Ø100mm	0.2	0.5	1.1	1.7	2.4	3.7	4.7	5.9

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
Ø125mm	0.1	0.4	1	1.9	2.9	4.2	5.8	7.8
Ø150mm	0.1	0.3	0.7	1.1	1.9	2.8	3.6	4.4

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
491	Ø100mm	Rigid Duct 45º Horizontal Bend	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
591	Ø125mm	Rigid Duct 45º Horizontal Bend	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
691	Ø150mm	Rigid Duct 45º Horizontal Bend	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

RIGID DUCTING | ROUND

Horizontal T Piece



Ø100mm EasyPipe 100

Free Area 7,850mm²

Ø125mm EasyPipe 125

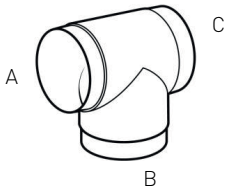
Free Area 12,266mm²

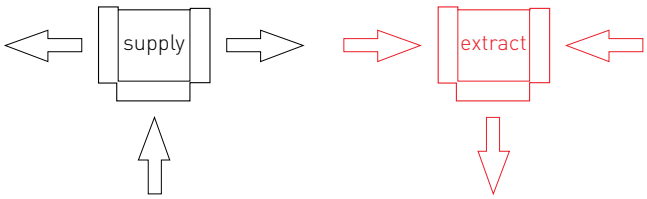
Ø150mm EasyPipe 150

Free Area 17,263mm²

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
492	Ø100mm	Rigid Duct Horizontal T Piece	Male	HIPS (High Impact Polystyrene)	White	UL 94HB	ISO9001
592	Ø125mm	Rigid Duct Horizontal T Piece	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001
692	Ø150mm	Rigid Duct Horizontal T Piece	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

For codes 492, 592 and 692

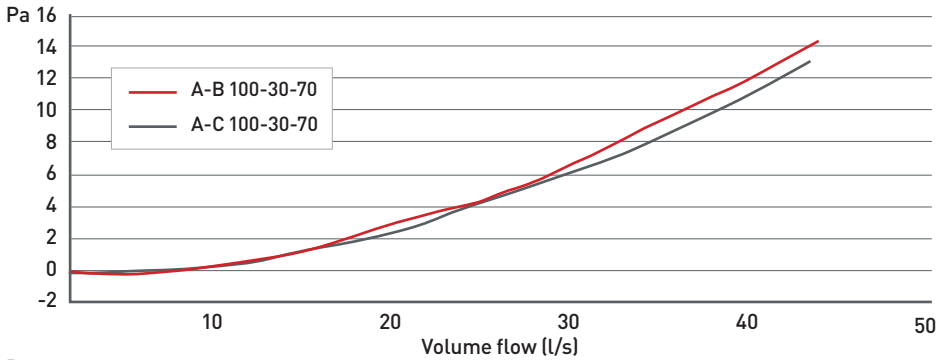


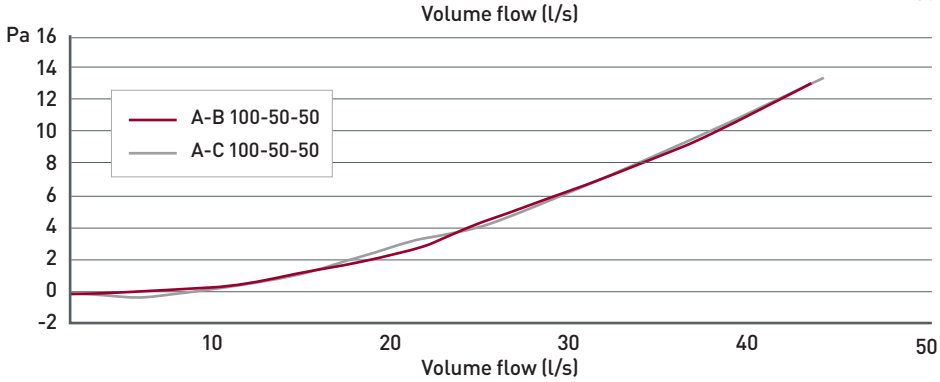


Y Piece – PVC

Ø100mm EasyPipe 100

Free Area 7,850mm²





Resistance data in Pascals (Pa)

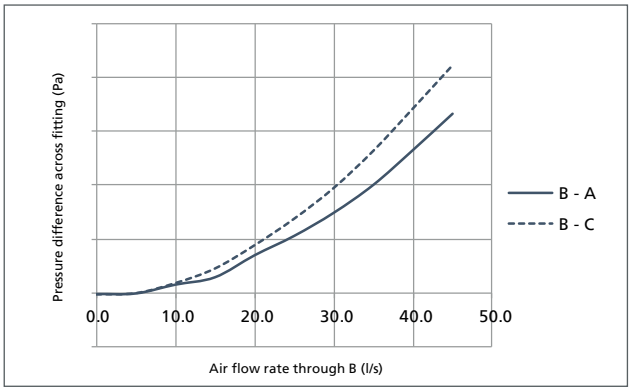
	@0l/s	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s	@45l/s
A-B 100-30-70	-0.1	-0.2	0.4	1.4	3.1	4.5	6.7	9.4	11.9	14.8
A-C 100-30-70	-0.1	-0.3	0.4	1.5	3.1	4.4	6.5	8.8	11.3	13.8
A-B 100-50-50	-0.1	0.0	0.4	1.4	2.5	4.5	6.4	8.2	10.7	13.4
A-C 100-50-50	-0.1	0.0	0.4	1.4	2.5	4.5	6.4	8.4	10.7	13.4

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
499	Ø100mm	Rigid Duct Y Piece	Male	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

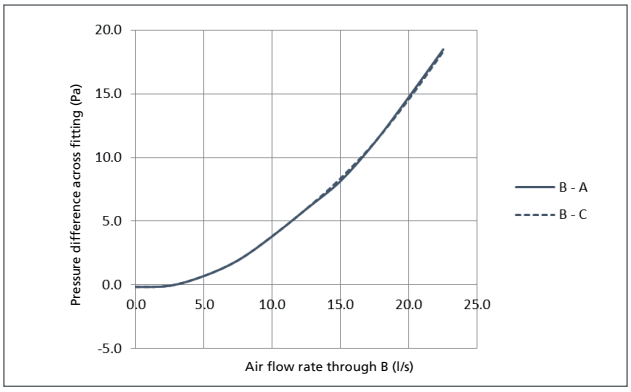
For further information please contact our Design Team at **vent.projects@domusventilation.co.uk**

RIGID DUCTING | ROUND

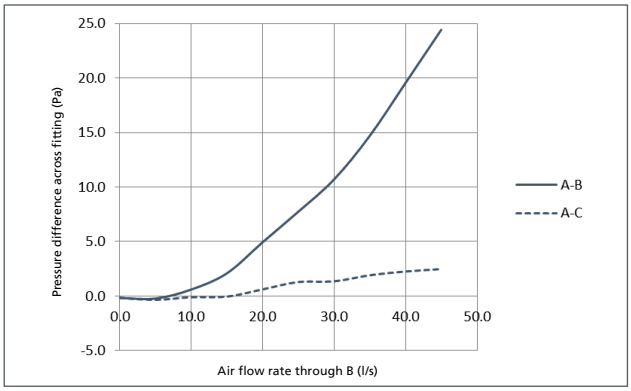
Performance data: DOMUS 492



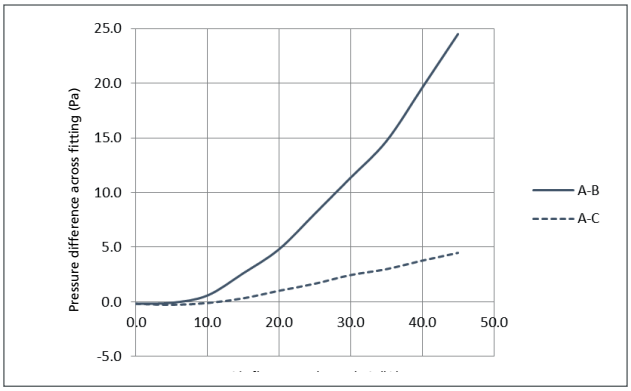
DOMUS 492 (30-100-70)										
100% Airflow rate V (l/s) at B	0	5	10	15	20	25	30	35	40	45
30% Airflow rate (l/s) at A	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5
Pressure drop (Pa) B-A	-0.1	-0.1	0.7	1.4	3.4	5.2	7.4	10.0	13.2	16.6
70% Airflow rate (l/s) at C	0	3.5	7	10.5	14	17.5	21	24.5	28	31.5
Pressure drop (Pa) B-C	-0.1	0.0	0.9	2.3	4.4	6.9	9.8	13.2	17.2	21.2



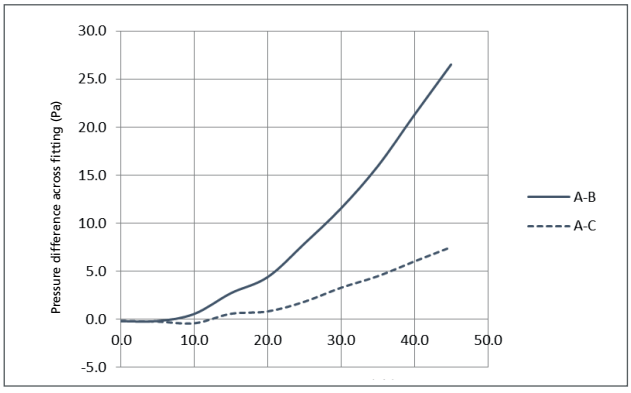
DOMUS 492 (50-100-50)										
100% Airflow rate V (l/s) at B	0	5	10	15	20	25	30	35	40	45
50% Airflow rate (l/s) at A	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5
Pressure drop (Pa) B-A	-0.1	-0.1	0.7	1.9	3.8	6.0	8.2	11.2	14.8	18.5
50% Airflow rate (l/s) at C	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5
Pressure drop (Pa) B-C	-0.1	0.0	0.9	1.9	3.8	6.0	8.4	11.2	14.6	18.3



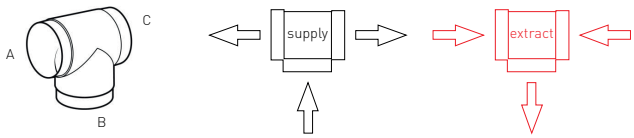
DOMUS 492 (100-30-70)										
100% Airflow rate V (l/s) at B	0	5	10	15	20	25	30	35	40	45
30% Airflow rate (l/s) at B	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5
Pressure drop (Pa) A-B	-0.1	-0.2	0.6	2.1	4.9	7.7	10.7	14.7	19.5	24.4
70% Airflow rate (l/s) at C	0	3.5	7	10.5	14	17.5	21	24.5	28	31.5
Pressure drop (Pa) A-C	-0.1	-0.3	-0.1	0.0	0.6	1.3	1.4	1.9	2.3	2.5



DOMUS 492 (100-50-50)										
100% Airflow rate V (l/s) at B	0	5	10	15	20	25	30	35	40	45
50% Airflow rate (l/s) at A	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5
Pressure drop (Pa) B-A	-0.1	-0.1	0.6	2.6	4.8	8.1	11.4	14.7	19.6	24.5
50% Airflow rate (l/s) at C	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5
Pressure drop (Pa) B-C	-0.1	-0.3	-0.1	0.3	1.0	1.7	2.5	3.0	3.8	4.5

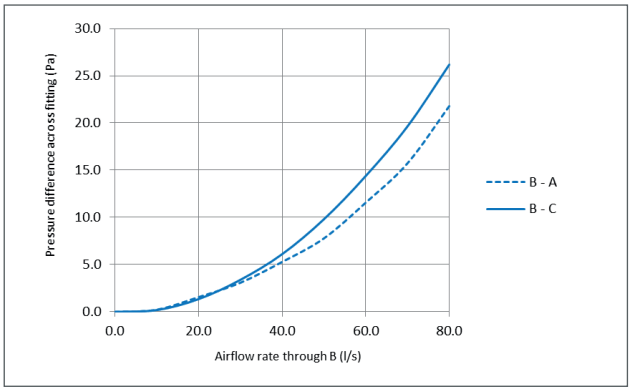


DOMUS 492 (100-70-30)										
100% Airflow rate V (l/s) at A	0	5	10	15	20	25	30	35	40	45
70% Airflow rate (l/s) at B	0	3.5	7	10.5	14	17.5	21	24.5	28	31.5
Pressure drop (Pa) A-B	-0.1	3.5	7	10.5	14	17.5	21	24.5	28	31.5
30% Airflow rate (l/s) at C	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5
Pressure drop (Pa) A-C	-0.1	-0.2	-0.4	0.6	0.8	1.8	3.3	4.5	6.0	7.5

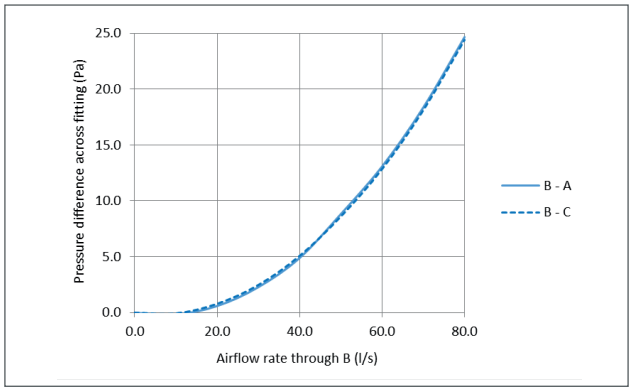


RIGID DUCTING | ROUND

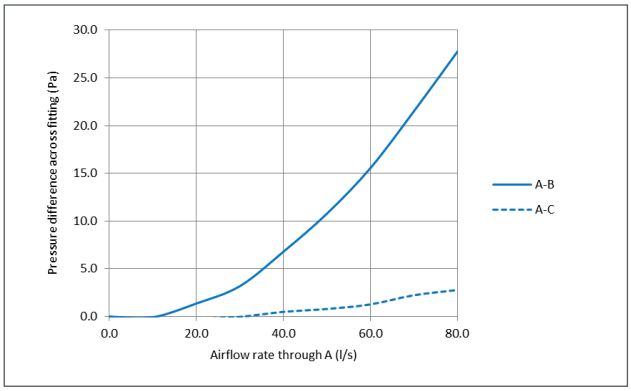
Performance data: DOMUS 592



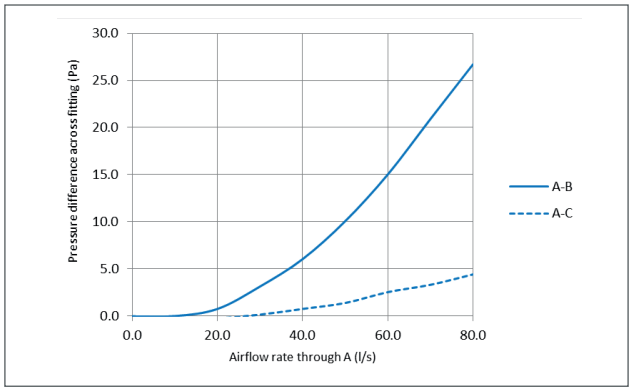
DOMUS 592 (30-100-70)									
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70	80
30% Airflow rate (l/s) at A	0	3	6	9	12	15	18	21	24
Pressure drop (Pa) B-A	0.0	0.2	1.5	3.1	5.3	7.8	11.6	15.7	21.8
70% Airflow rate (l/s) at C	0	7	14	21	28	35	42	49	56
Pressure drop (Pa) B-C	0.0	0.2	1.3	3.4	6.1	9.8	14.4	19.6	26.2



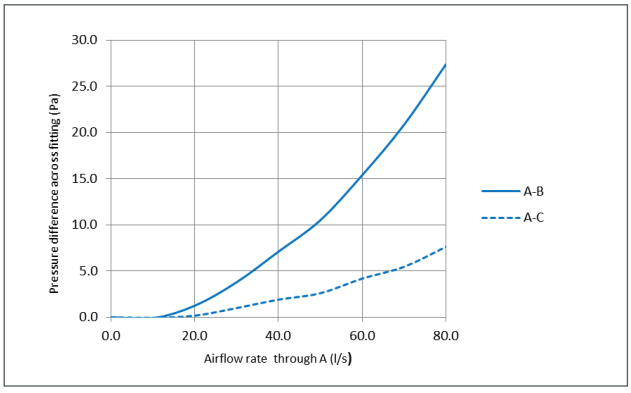
DOMUS 592 (50-100-50)									
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70	80
50% Airflow rate (l/s) at A	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) B-A	0.0	-0.2	0.6	2.2	4.9	8.8	13.0	18.3	24.6
50% Airflow rate (l/s) at C	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) B-C	0.0	-0.1	0.8	2.4	5.1	8.6	12.8	18.1	24.4



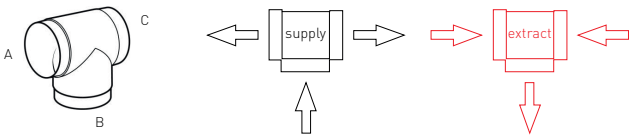
DOMUS 592 (100-30-70)									
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70	80
30% Airflow rate (l/s) at B	0	3	6	9	12	15	18	21	24
Pressure drop (Pa) A-B	0.0	-0.1	1.3	3.2	6.8	10.8	15.6	21.5	27.8
70% Airflow rate (l/s) at C	0	7	14	21	28	35	42	49	56
Pressure drop (Pa) A-C	0.0	-0.3	-0.3	0.0	0.5	0.8	1.3	2.2	2.8



DOMUS 592 (100-50-50)									
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70	80
30% Airflow rate (l/s) at B	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) A-B	0.0	0.0	0.8	3.1	6.1	10.1	15.0	20.9	26.7
70% Airflow rate (l/s) at C	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) A-C	0.0	-0.2	-0.2	0.1	0.8	1.4	2.5	3.3	4.4

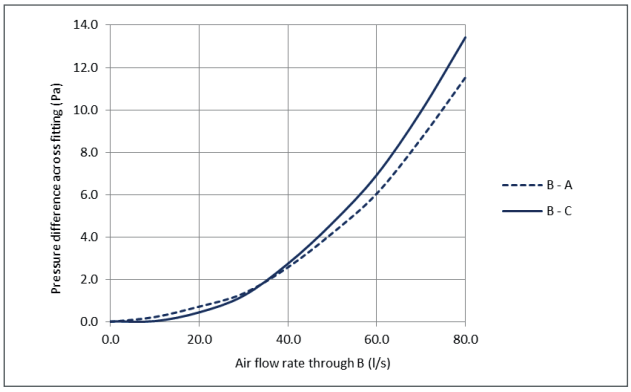


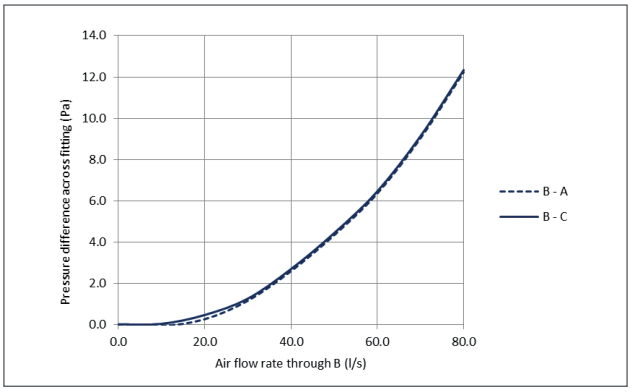
DOMUS 592 (100-70-30)									
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70	80
70% Airflow rate (l/s) at B	0	7	14	21	28	35	42	49	56
Pressure drop (Pa) A-B	0.0	-0.1	1.2	3.8	7.1	10.5	15.4	20.8	27.4
30% Airflow rate (l/s) at C	0	3	6	9	12	15	18	21	24
Pressure drop (Pa) A-C	0.0	-0.1	0.1	1.0	1.9	2.6	4.2	5.4	7.6



RIGID DUCTING | ROUND

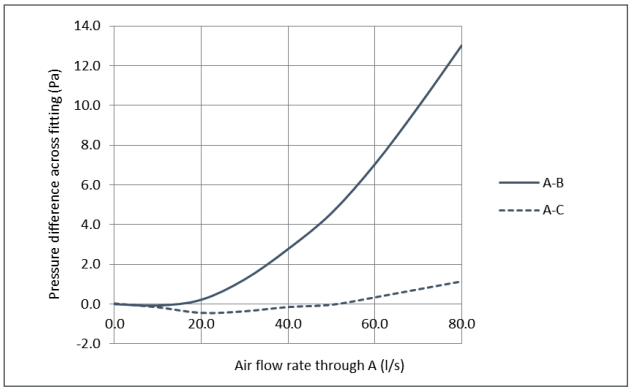
Performance data: DOMUS 692

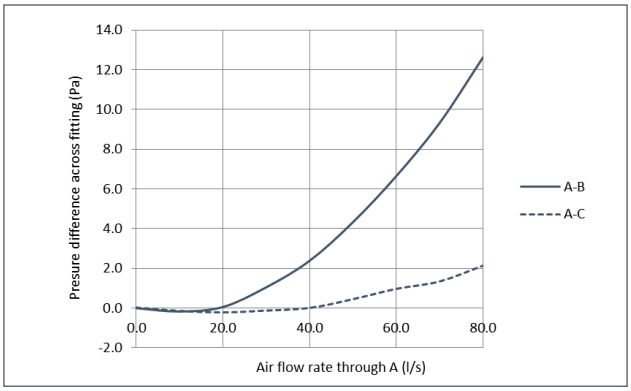




DOMUS 692 (30-100-70)									
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70	80
30% Airflow rate (l/s) at A	0	3	6	9	12	15	18	21	24
Pressure drop (Pa) B-A	0.0	0.2	0.7	1.4	2.6	4.2	6.1	8.6	11.5
70% Airflow rate (l/s) at C	0	7	14	21	28	35	42	49	56
Pressure drop (Pa) B-C	0.0	0.0	0.4	1.2	2.7	4.6	6.9	9.9	13.4

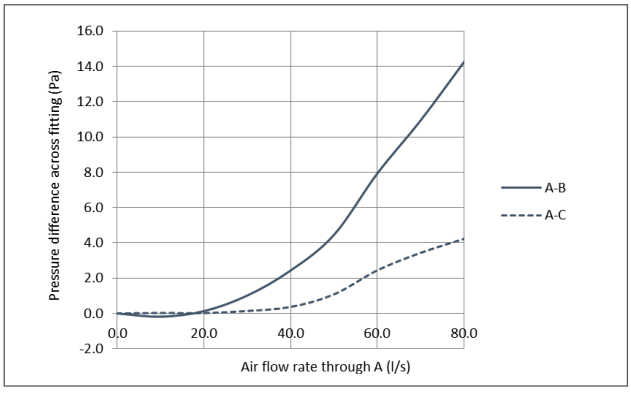
DOMUS 692 (50-100-50)									
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70	80
50% Airflow rate (l/s) at A	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) B-A	0.0	-0.1	0.3	1.2	2.6	4.3	6.4	9.0	12.2
50% Airflow rate (l/s) at C	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) B-C	0.0	0.0	0.5	1.3	2.7	4.4	6.5	9.9	12.3



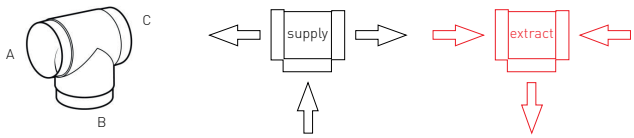


DOMUS 692 (100-30-70)									
100% Airflow rate V (l/s) at B	0	10	20	30	40	50	60	70	80
30% Airflow rate (l/s) at B	0	3	6	9	12	15	18	21	24
Pressure drop (Pa) A-B	0.0	-0.1	0.2	1.3	2.8	4.6	7.1	9.9	13.0
70% Airflow rate (l/s) at C	0	7	14	21	28	35	42	49	56
Pressure drop (Pa) B-C	0.0	-0.2	-0.5	-0.4	-0.2	-0.1	0.3	0.7	1.1

DOMUS 692 (100-50-50)									
100% Airflow rate V (l/s) at A	0	10	20	30	40	50	60	70	80
50% Airflow rate (l/s) at B	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) A-B	0.0	-0.2	0.1	1.1	2.4	4.3	6.7	9.3	12.6
50% Airflow rate (l/s) at C	0	5	10	15	20	25	30	35	40
Pressure drop (Pa) A-C	0.0	-0.2	-0.2	-0.1	0.0	0.4	1.0	1.3	2.1



DOMUS 692 (100-70-30)									
100% Airflow rate V (l/s) at A	0	10	20	30	40	50	60	70	80
70% Airflow rate (l/s) at B	0	7	14	21	28	35	42	49	56
Pressure drop (Pa) A-B	0.0	-0.2	0.1	1.0	2.4	4.4	7.9	10.9	14.2
30% Airflow rate (l/s) at C	0	3	6	9	12	15	18	21	24
Pressure drop (Pa) A-C	0.0	0.0	0.0	0.2	0.4	1.1	2.5	3.4	4.2



RIGID DUCTING | ROUND

Wall Plates

Ø100mm EasyPipe 100

Free Area 7,850mm²

Ø125mm EasyPipe 125

Free Area 12,266mm²

Ø150mm EasyPipe 150

Free Area 17,263mm²

For installation between the duct run and external terminal, these wall plates are a simple way to ensure the duct is securely supported and held in place.

Product	Code	Description	Material	Colour	System
	114-4	Rigid Duct Wall Plate	HIPS (High Impact Polystyrene	White	Ø100mm
	114-5	Rigid Duct Wall Plate	HIPS (High Impact Polystyrene	White	Ø125mm
	114-6	Rigid Duct Wall Plate	HIPS (High Impact Polystyrene	White	Ø150mm

Duct Clips

Ø100mm EasyPipe 100

Free Area 7,850mm²

Ø125mm EasyPipe 125

Free Area 12,266mm²

Ø150mm EasyPipe 150

Free Area 17,263mm²

100 /125 and 150mm duct size clips are effective part of the overall duct system and quick and easy to fasten into place, Domus Duct Clips securely hold duct runs and prevent them from boding.

Product	Code	Description	Material	Colour	System
	496	Rigid Duct Clip – Round	HIPS (High Impact Polystyrene	White	Ø100mm
	596	Rigid Duct Clip – Round	HIPS (High Impact Polystyrene	White	Ø125mm
	696	Rigid Duct Clip – Round	HIPS (High Impact Polystyrene	White	Ø150mm

Condensation Traps with Overflow Connection

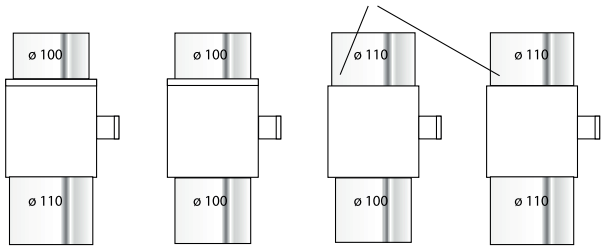
Key features

- Recommended in both the Building Regulations and NHBC Standards
- Removes condensation risks from unheated areas
- Real advantages over using insulated hose
- Simple to install and handle
- Cost effective solution
- Specifically designed for ventilation applications

Condensation Trap Pipe Combinations

Code: 100mm/ 110mm

Remove the reducing ring



All dimensions shown in mm.

Ø100mm EasyPipe 100

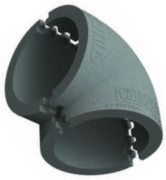
Free Area 7,850mm²

Code	Duct Size	Description	Connection	Material	Colour	Flammability Standards	Manufactured to
497	Ø100mm Ø110mm	Condensation Trap with Overflow Connection	Male/ Female	HIPS (High Impact Polystyrene)	White	UL94HB	ISO9001

THE DOMUS THERMAL RANGE

PVC Duct

+



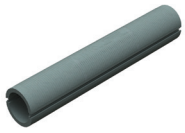
Thermal

= System

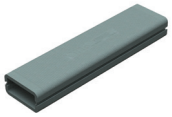
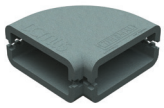
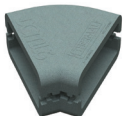
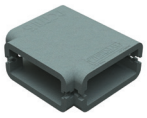
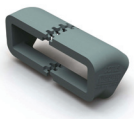
Domus Thermal is available in a range of profiles and fittings to insulate the Domus EasiPipe (round) and Supertube (rectangular) duct systems.

To support the system, PVC coated, perforated steel banding is also available for surface mounting or suspending the insulated system. The use of this soft-edged fixing system is strongly recommended to ensure that the insulated duct is held securely without damage.

Round

Product	Code	Description
	TS1100-4	Ø100mm Round Pipe Duct Insulation 1m
	TS1100-5	Ø125mm Round Pipe Duct Insulation 1m
	TS1100-6	Ø150mm Round Pipe Duct Insulation 1m
	TS490	Ø100mm Round 90º Bend Duct Insulation
	TS590	Ø125mm Round 90º Bend Duct Insulation
	TS690	Ø150mm Round 90º Bend Duct Insulation
	TS491	Ø100mm Round 45º Bend Duct Insulation
	TS591	Ø125mm Round 45º Bend Duct Insulation
	TS691	Ø150mm Round 45º Bend Duct Insulation
	TS492	Ø100mm Round Equal T Piece Duct Insulation
	TS592	Ø125mm Round Equal T Piece Duct Insulation
	TS692	Ø150mm Round Equal T Piece Duct Insulation

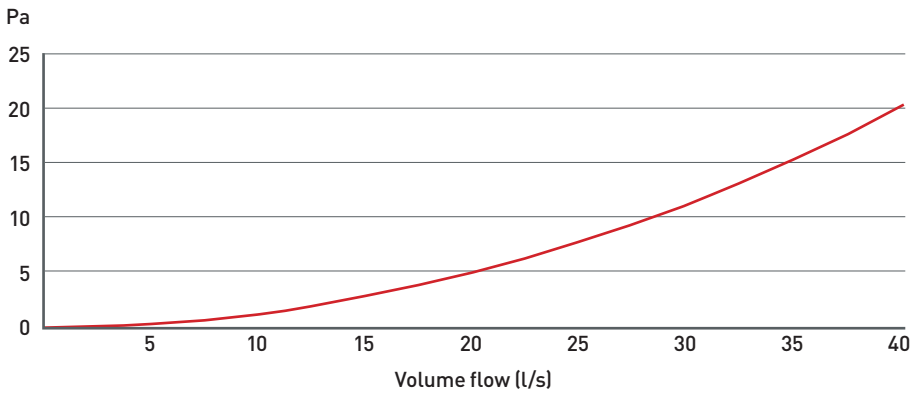
Rectangular

Product	Code	Description
	TS510	204 X 60mm Channel Duct Insulation 1m
	TS910	220 X 90mm Channel Duct Insulation 1m
	TS550	204 X 60mm Horizontal 90º Duct Insulation
	TS950	220 X 90mm Horizontal 90º Duct Insulation
	TS555	204 X 60mm Horizontal 45º Duct Insulation
	TS955	220 X 90mm Horizontal 45º Duct Insulation
	TS582	204 X 60mm Horizontal T Piece Duct Insulation
	TS982	220 X 90mm Horizontal T Piece Duct Insulation
	TS575	204 X 60mm Vertical 45º Bend Duct Insulation
	TS975	220 X 90mm Vertical 45º Bend Duct Insulation
	TS540	204 X 60mm Fixed Spigot Ø125mm Plenum Duct Insulation
	TS961	220 X 90mm Fixed Spigot Ø125mm Plenum Duct Insulation

RIGID DUCTING | IN-LINE ADAPTER

In-line Adapter, Rectangular to Round (110x54 – Ø100mm)

110x54 – Ø100mm

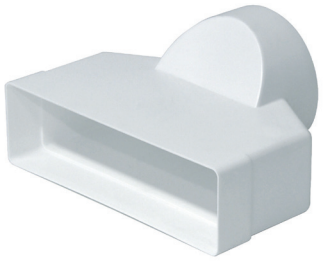


Resistance data in Pascals (Pa)

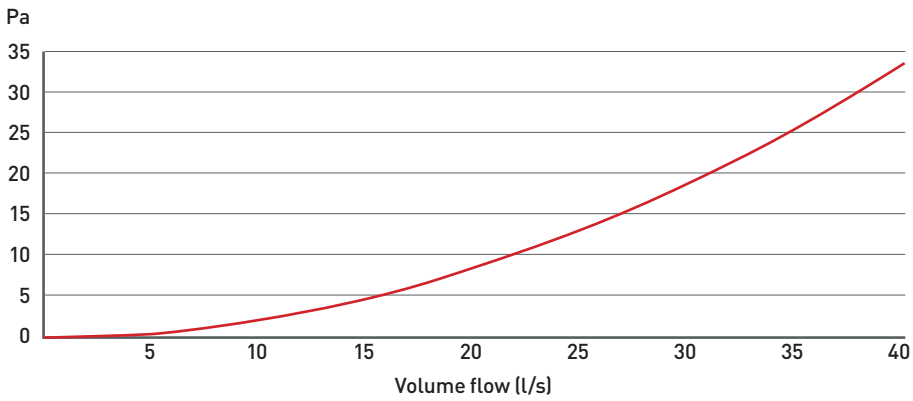
@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s
0.3	1.3	3.0	5.2	8.0	11.4	15.9	20.6

Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
DD070	110x54	Ø100	In-line Adapter Rectangular – Round	Female/ Duct	PVC	White	UL94HB	ISO9001

In-line Adapter, Rectangular to Round (204x60 – Ø100mm)



204x60 – Ø100mm



Resistance data in Pascals (Pa)

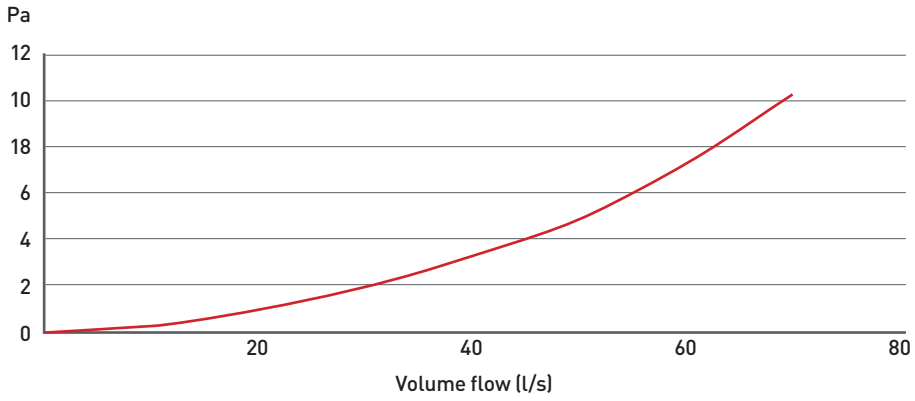
@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s
0.5	2.2	4.8	8.6	13.4	18.9	25.8	33.9

Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
DD073	204x60 (to single airbrick)	Ø100	In-line Adapter Rectangular – Round	Duct/Male	PVC	White	UL94HB	ISO9001

RIGID DUCTING | IN-LINE ADAPTER

In-line Adapter, Rectangular to Round (204x60 – Ø125mm)

204x60 – Ø125mm

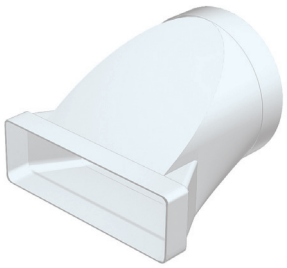


Resistance data in Pascals (Pa)

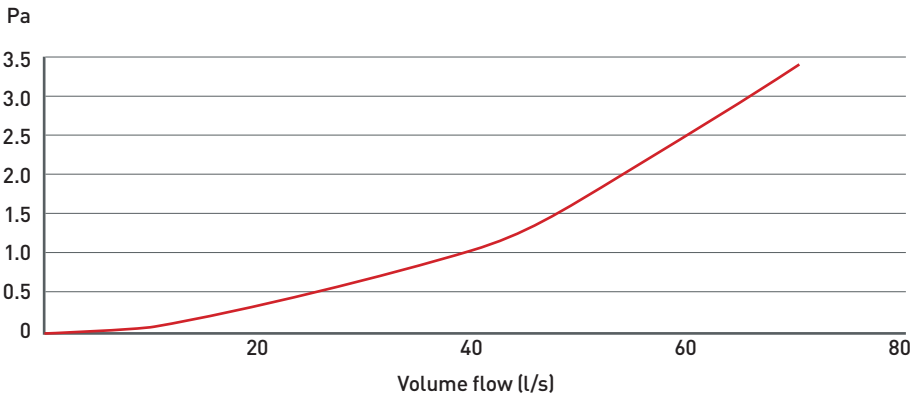
@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s
0.3	1.0	2.0	3.3	5.0	7.3	10.4

Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
570	204x60	Ø125	In-line Adapter Rectangular – Round	Female/ Duct	PVC	White	UL94HB	ISO9001

In-line Adapter, Rectangular to Round (220x90 – Ø150mm)



220x90 – Ø150mm



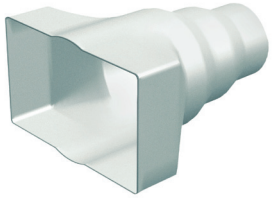
Resistance data in Pascals (Pa)

@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s
0.1	0.3	0.7	1.0	1.6	2.5	3.4

Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
970	220xØ150	Ø150	In-line Adapter Rectangular – Round	Female/ Female	PVC	White	UL94HB	ISO9001

RIGID DUCTING | IN-LINE ADAPTER

In-line Adapter, Rectangular to Round (227x133 – Ø100, Ø125, Ø150mm)

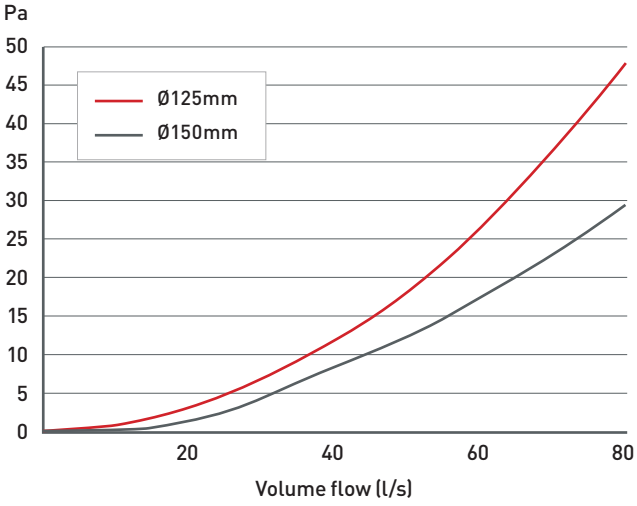


227x133mm –
Ø100, Ø125, Ø150mm

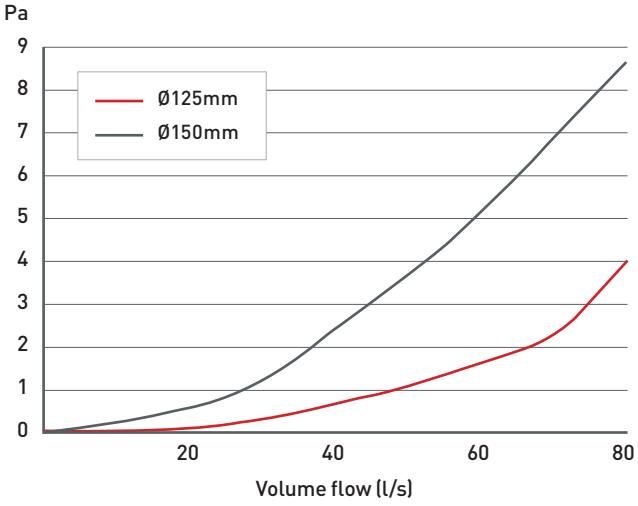
Performance data for double airbrick (code 954) with adapter (954)

Resistance data in Pascals (Pa)								
Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
Ø125 Supply	0.8	2.9	6.6	11.5	18.0	26.1	35.9	47.2
Ø125 Extract	0.0	0.2	0.4	0.7	1.1	1.7	2.3	4.0
Ø150 Supply	0.5	1.9	4.3	7.6	11.7	17.0	23.1	29.0
Ø150 Extract	0.2	0.6	1.3	2.4	3.7	5.1	6.9	8.6

Performance data for Supply (air from outside)



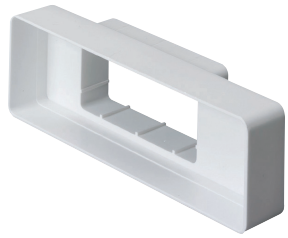
Performance data for Extract (air to outside)



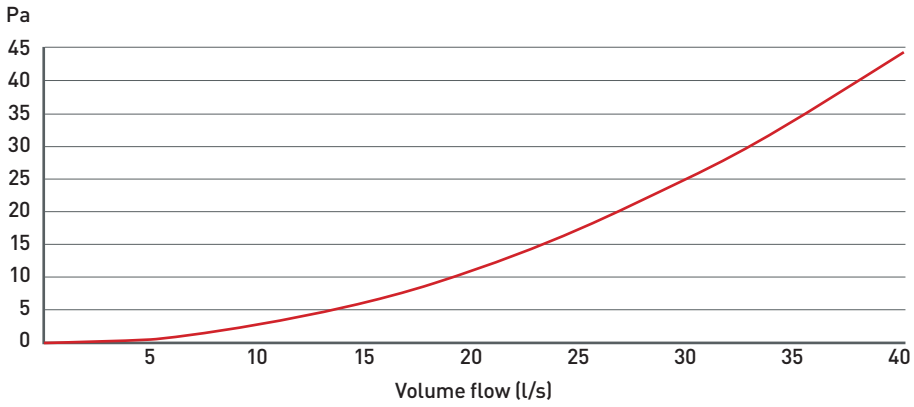
Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
954	227x133 (to double airbrick)	Ø100, Ø125, Ø150	In-line Adapter Rectangular – Round	Female/Male/ Male/Male	PVC	White	UL94HB	ISO9001

RIGID DUCTING | IN-LINE ADAPTER

In-line Adapter, Rectangular to Rectangular (204x60 – 110x54mm)



204x60 – 110x54mm

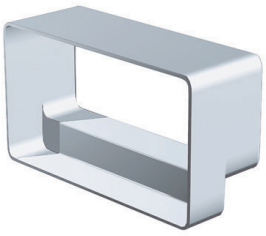


Resistance data in Pascals (Pa)

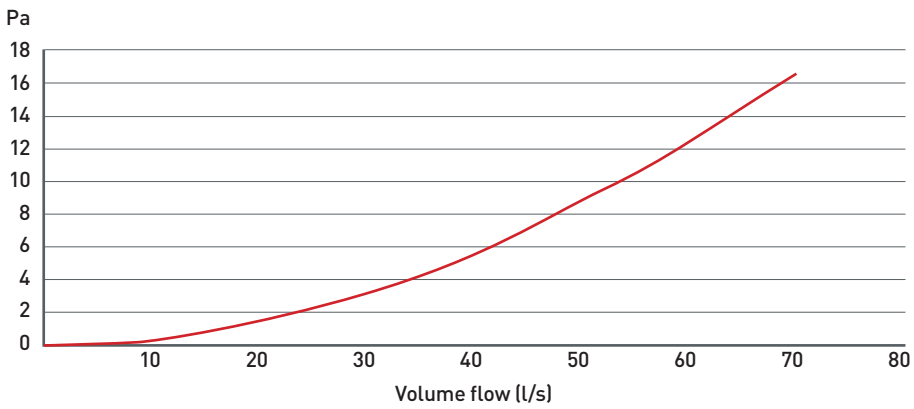
@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s
0.7	2.9	6.3	11.2	17.4	25.3	34.0	44.2

Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
DD077	204x60	110x54	In-line Adapter Rectangular – Rectangular	Duct/Male	PVC	White	UL94HB	ISO9001

In-line Adapter, Rectangular to Rectangular (220x90 – 204x60mm)



220x90 – 204x60mm



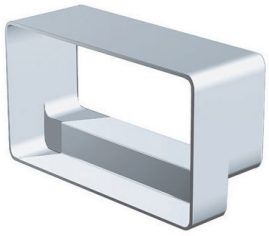
Resistance data in Pascals (Pa)

@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s
0.4	1.4	3.3	5.6	8.8	12.6	16.5

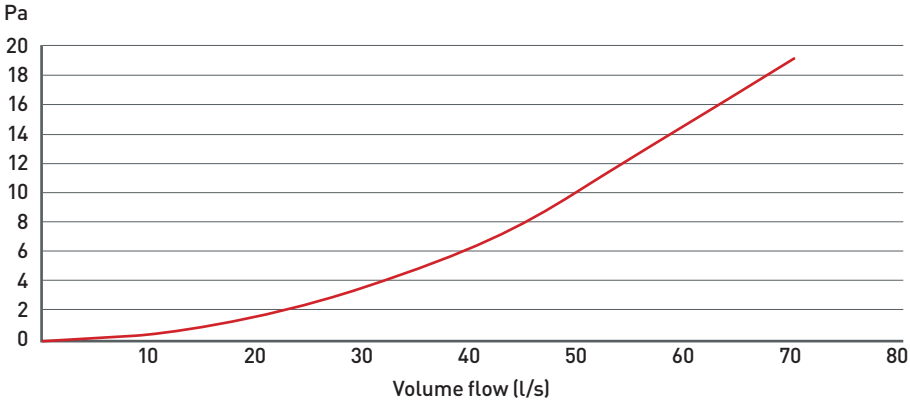
Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
957	220x90	204x60	In-line Adapter Rectangular – Rectangular	Duct/Female	PVC	White	UL94HB	ISO9001

RIGID DUCTING | IN-LINE ADAPTER

In-line Adapter, Rectangular to Rectangular (220x90 – 204x60mm)



220x90 – 204x60mm

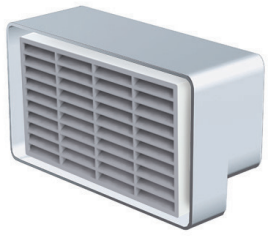


Resistance data in Pascals (Pa)

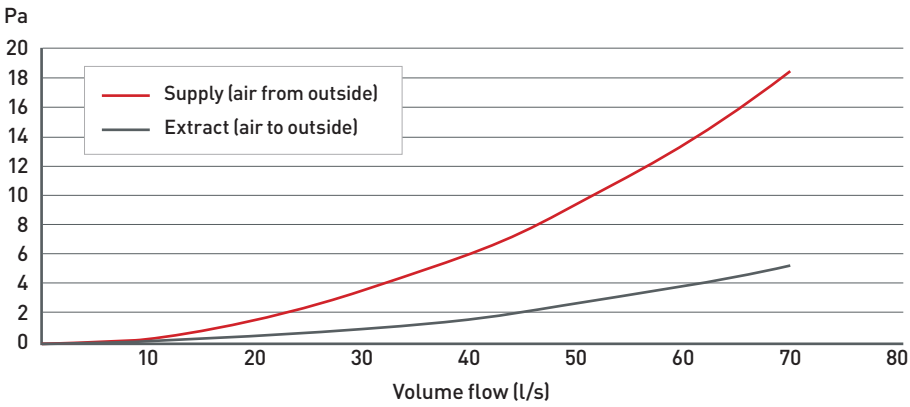
@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s
0.5	1.7	3.7	6.4	10.2	14.7	18.8

Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
958	220x90	204x60	In-line Adapter Rectangular – Rectangular	Female/ Female	PVC	White	UL94HB	ISO9001

In-line Adapter, Rectangular to Rectangular (227x133 – 220x90mm)



227x133 – 220x90mm



Performance data for double airbrick (code 905) with adapter (977)

Resistance data in Pascals (Pa)

	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s
Supply	0.4	1.5	3.5	6.0	9.3	13.3	18.2
Extract	0.1	0.5	1.0	1.7	2.7	3.9	5.2

Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
977	227x133 (to double airbrick)	220x90	In-line Adapter Rectangular – Rectangular	Male/Female	PVC	White	UL94HB	ISO9001

RIGID DUCTING | PLENUMS

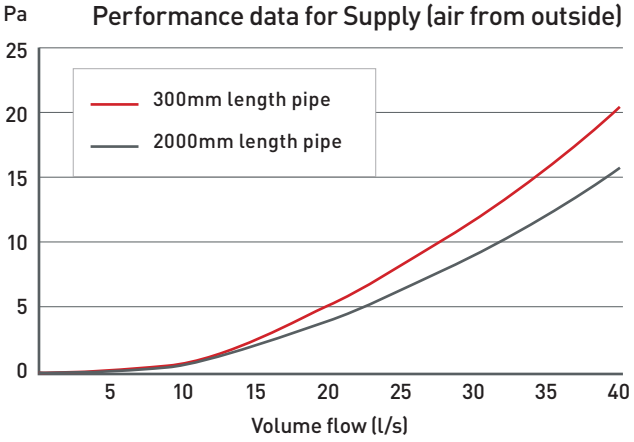
Fixed Socket Plenum, Rectangular to Round (110x54 – Ø100mm)

110x54 – Ø100mm

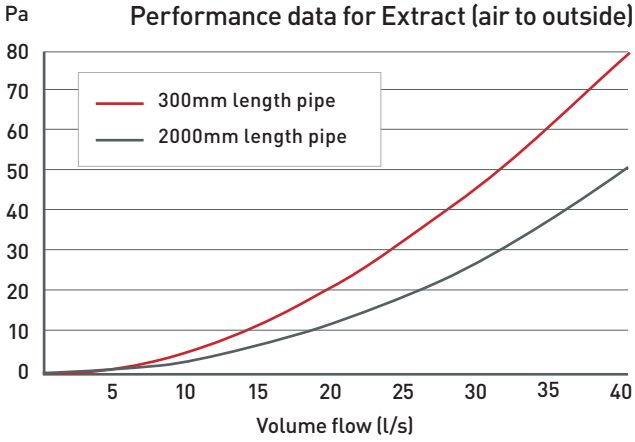
Resistance data in Pascals (Pa)

Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s
Supply – 300mm length pipe	0.4	1.2	3.0	5.2	8.0	11.6	15.6	20.5
Extract – 300mm length pipe	1.4	5.3	11.6	20.4	31.9	45.3	62.0	79.9
Supply – 2000mm length pipe	0.3	0.9	2.2	3.9	6.3	9.1	12.0	15.7
Extract – 2000mm length pipe	1.0	3.0	7.0	12.5	20.1	28.5	38.9	51.3

Performance data for Supply (air from outside)

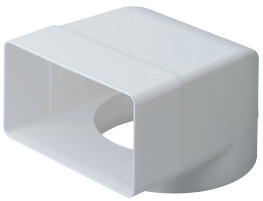


Performance data for Extract (air to outside)



Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
DD030	110x54	Ø100	Fixed Socket Plenum Rectangular – Round	Female/Duct	PVC	White	UL94HB	ISO9001

Fixed Spigot Plenum, Rectangular to Round (110x54 – Ø100mm)

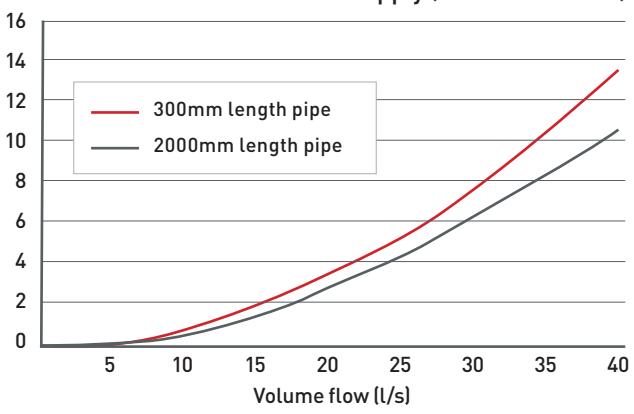


110x54 – Ø100mm

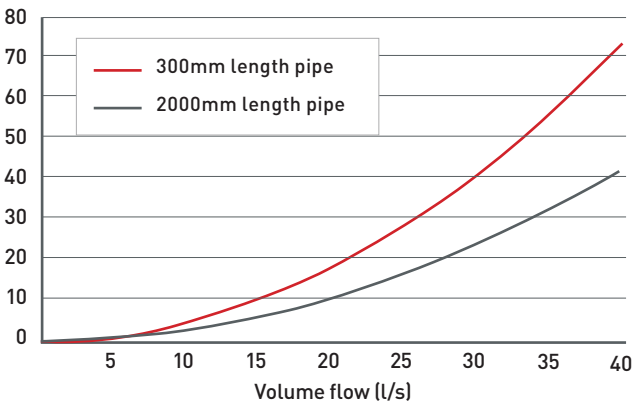
Resistance data in Pascals (Pa)

Size	@5l/s	@10l/s	@15l/s	@20l/s	@25l/s	@30l/s	@35l/s	@40l/s
Supply – 300mm length pipe	0.3	0.8	2.0	3.6	5.4	7.5	10.6	13.6
Extract – 300mm length pipe	1.2	4.9	10.5	18.6	28.4	41.5	56.1	73.3
Supply – 2000mm length pipe	0.3	0.6	1.5	2.8	4.2	6.2	8.4	10.6
Extract – 2000mm length pipe	0.9	2.7	5.9	10.3	16.4	23.5	31.4	41.0

Performance data for Supply (air from outside)



Performance data for Extract (air to outside)



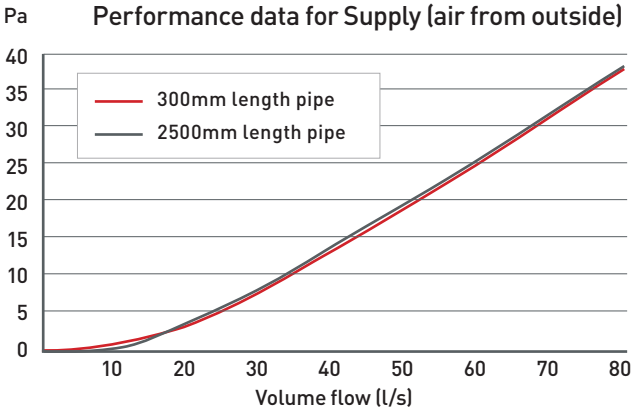
Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
DD040	110x54	Ø100	Fixed Spigot Plenum Rectangular – Round	Female/Male	PVC	White	UL94HB	ISO9001

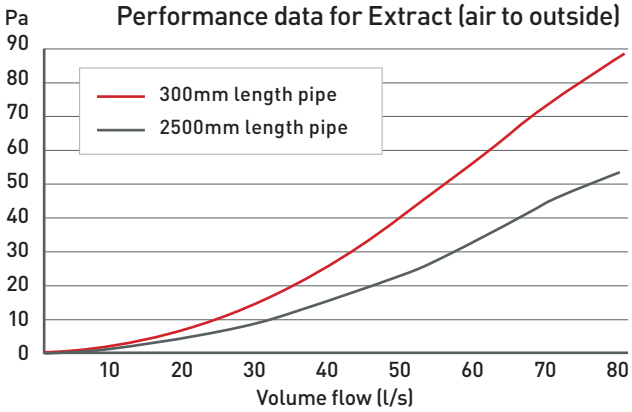
RIGID DUCTING | PLENUMS

Fixed Spigot Plenum, Rectangular to Round (204x60 – Ø125mm)

204x60 – Ø125mm

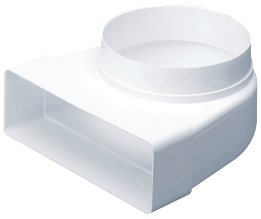
Resistance data in Pascals (Pa)								
Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
Supply – 300mm length pipe	0.8	3.0	6.5	12.3	18.4	25.4	32.8	37.1
Extract – 300mm length pipe	1.7	6.5	14.1	25.0	39.3	56.7	75.7	88.7
Supply – 2500mm length pipe	0.1	3.3	7.1	12.8	18.9	25.8	33.5	37.2
Extract – 2500mm length pipe	1.3	4.1	8.6	15.1	22.9	32.7	44.9	53.1





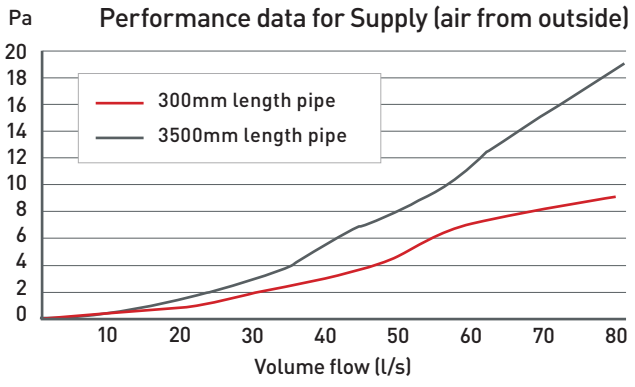
Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
540	204x60	Ø125	Fixed Spigot Plenum Rectangular – Round	Female/Male	PVC	White	UL94HB	ISO9001

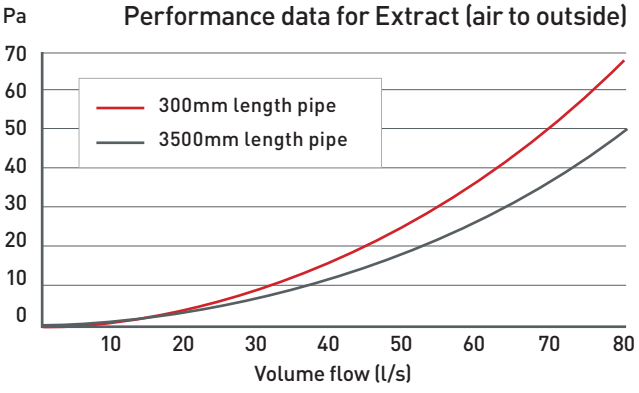
Fixed Spigot Plenum, Rectangular to Round (204x60 – Ø150mm)



204x60 – Ø150mm

Resistance data in Pascals (Pa)								
Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
Supply – 300mm length pipe	0.4	1.6	3.2	6.1	8.8	13.1	16.6	18.9
Extract – 300mm length pipe	1.2	4.7	10.4	18.5	28.6	40.7	54.5	68.7
Supply – 3000mm length pipe	0.4	1.1	2.0	3.0	5.0	6.8	8.5	9.7
Extract – 3000mm length pipe	0.9	3.4	7.3	12.3	19.3	28.4	38.3	47.6





Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
640	204x60	Ø150	Fixed Spigot Plenum Rectangular – Round	Female/Male	PVC	White	UL94HB	ISO9001

RIGID DUCTING | PLENUMS

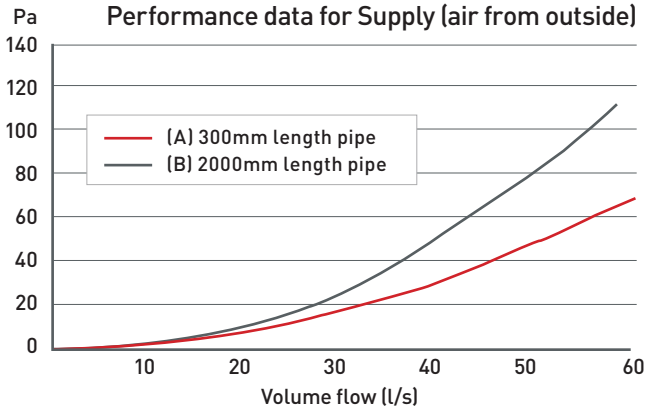
Offset Rotating Spigot, Rectangular to Round (204x60 – Ø100mm)

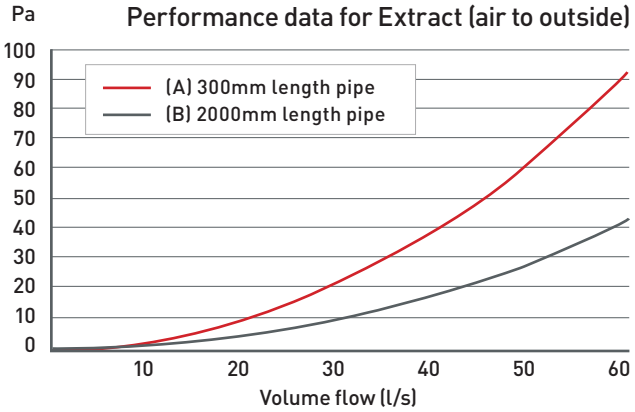
204x60 – Ø100mm

Resistance data in Pascals (Pa)

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s
Supply (A) – 300mm length pipe	1.9	7.8	16.4	29	45.7	64.2
Extract (A) – 300mm length pipe	2.8	10.4	22.6	39.5	61.1	91.9
Supply (B) – 2000mm length pipe	2.9	12.1	28.9	56.9	89.1	113.8
Extract (B) – 2000mm length pipe	1.2	4.4	9.4	17.8	27.4	42.4

A = spigot furthest from socket, **B** = spigot nearest to socket





Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
441	204x60	Ø100	Offset Rotating Spigot	Female/Male	PVC	White	UL94HB	ISO9001

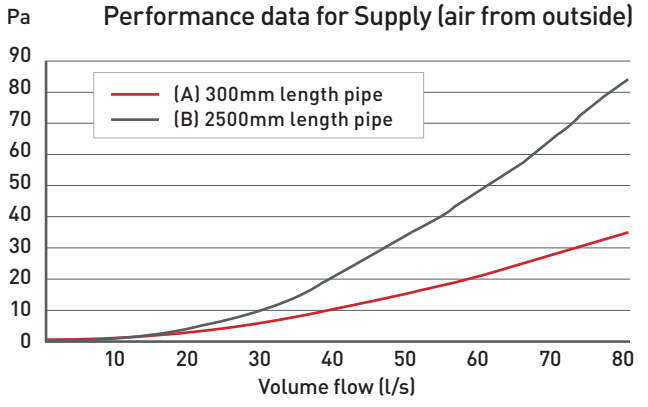
Offset Rotating Spigot, Rectangular to Round (204x60 – Ø125mm)

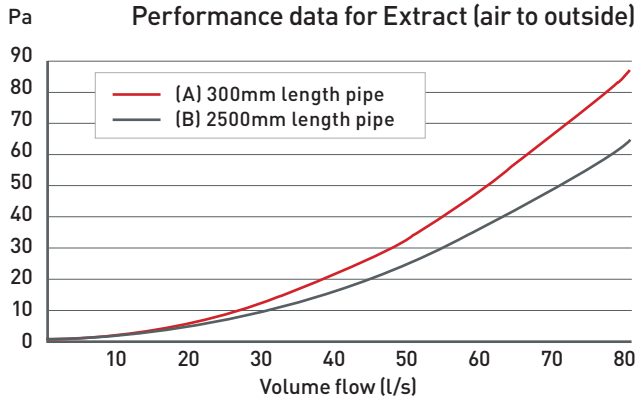
204x60 – Ø125mm

Resistance data in Pascals (Pa)

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
Supply (A) – 300mm length pipe	0.8	2.8	6.1	11.2	16.5	23.2	30.6	36.6
Extract (A) – 300mm length pipe	1.6	6.2	13.6	24	37.2	54.7	73.1	88.7
Supply (B) – 2500mm length pipe	1.3	5.1	12.7	25.3	39.2	55.6	75.4	85.2
Extract (B) – 2500mm length pipe	1.2	4.4	9.7	17.2	26.2	38.1	51.7	62.1

A = spigot furthest from socket, **B** = spigot nearest to socket





Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
541	204x60	Ø125	Offset Rotating Spigot	Female/Male	PVC	White	UL94HB	ISO9001

RIGID DUCTING | PLENUMS

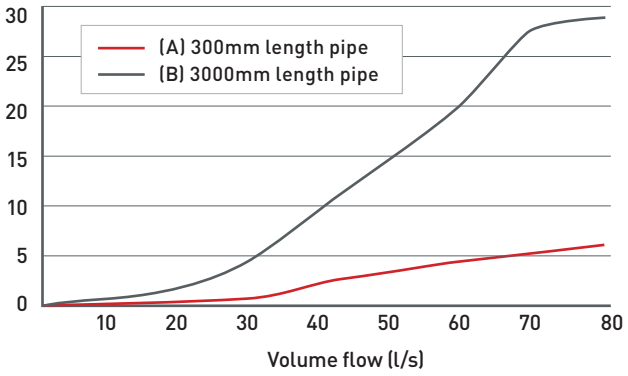
Offset Rotating Spigot, Rectangular to Round (204x60 – Ø150mm)

204x60 – Ø150mm

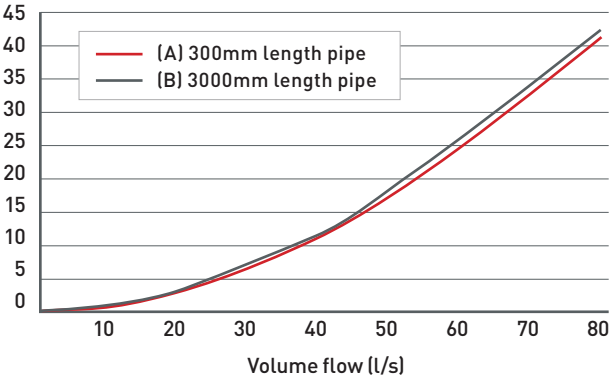
Resistance data in Pascals (Pa)								
Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s	@80l/s
Supply (A) – 300mm length pipe	0.3	0.8	1.4	2.6	3.6	4.6	5.6	6.1
Extract (A) – 300mm length pipe	0.8	3.0	6.3	11.0	16.9	24.5	33.7	41.2
Supply (B) – 3000mm length pipe	0.5	1.9	4.5	9.1	14.2	20.3	27.5	28.5
Extract (B) – 3000mm length pipe	0.9	3.0	6.7	11.2	17.2	25.5	34.2	42.3

A = spigot furthest from socket, **B** = spigot nearest to socket

Performance data for Supply (air from outside)

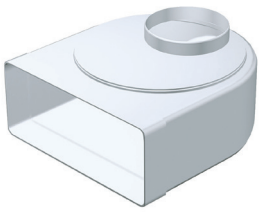


Performance data for Extract (air to outside)



Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
641	204x60	Ø150	Offset Rotating Spigot	Female/Male	PVC	White	UL94HB	ISO9001

Offset Rotating Spigot, Rectangular to Round (220x90 – Ø100mm)

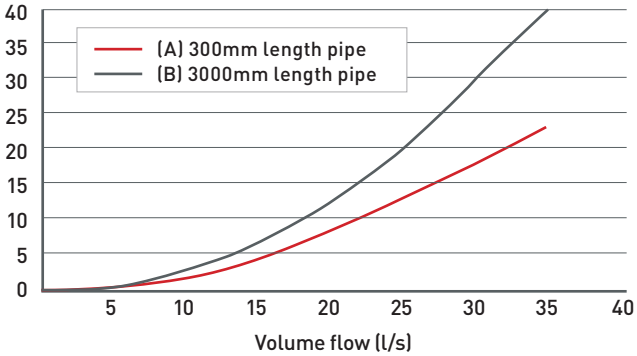


220x90 – Ø100mm

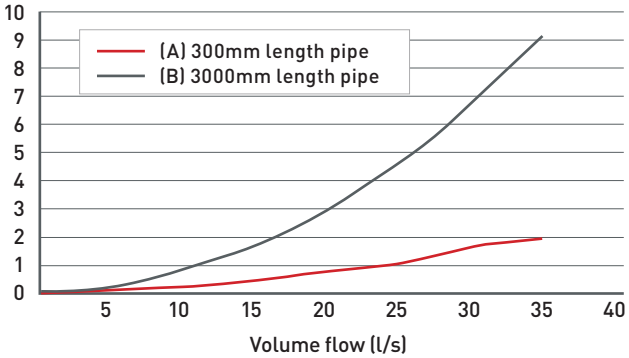
Resistance data in Pascals (Pa)							
Size	@5l/s	@10l/s	@15/s	@20/s	@25/s	@30/s	@35/s
Supply (A) – 300mm length pipe	0.6	1.9	4.3	7.9	11.8	16.9	22.8
Extract (A) – 300mm length pipe	0.1	0.2	0.4	0.8	1.1	1.7	2.0
Supply (B) – 300mm length pipe	0.5	2.9	6.4	12.2	19.3	29.6	40.0
Extract (B) – 300mm length pipe	0.2	0.8	1.6	2.9	4.6	6.7	9.2

A = spigot furthest from socket, **B** = spigot nearest to socket

Performance data for Supply (air from outside)



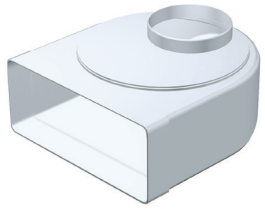
Performance data for Extract (air to outside)



Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
941	220x90	Ø100	Offset Rotating Spigot	Female/Male	PVC	White	UL94HB	ISO9001

RIGID DUCTING | PLENUMS

Offset Rotating Spigot, Rectangular to Round (220x90 – Ø125mm)

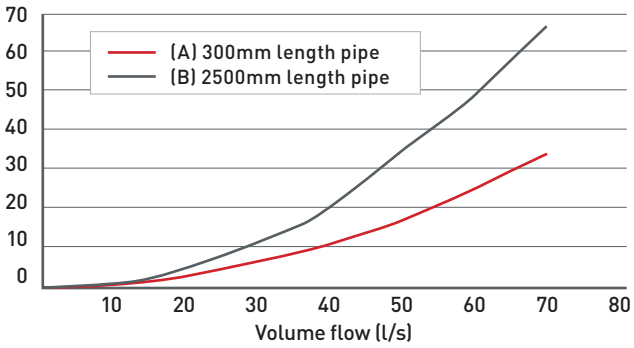


220x90 – Ø125mm

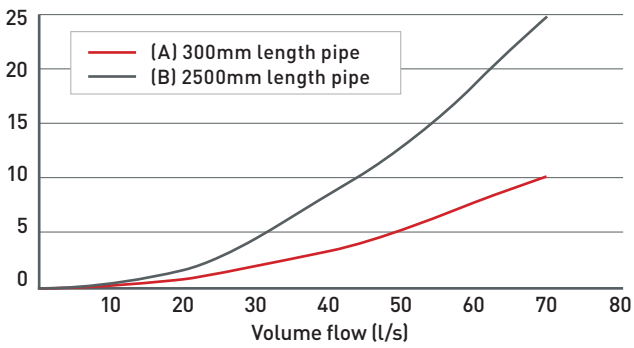
Resistance data in Pascals (Pa)

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s
Supply (A) – 300mm length pipe	0.9	2.8	6.4	11.0	16.7	24.5	33.2
Extract (A) – 300mm length pipe	0.3	0.9	2.1	3.4	5.2	7.5	10.2
Supply (B) – 2500mm length pipe	1.0	4.7	10.9	20.3	33.1	49.5	66.9
Extract (B) – 2500mm length pipe	0.6	2.0	4.5	7.9	12.1	18.1	24.8

Performance data for Supply (air from outside)



Performance data for Extract (air to outside)



Code	Size		Description	Connection	Material	Colour	Flammability Standards	Manufactured to
	From	To (mm)						
951	220x90	Ø125	Offset Rotating Spigot	Female/ Male	PVC	White	UL94HB	ISO9001

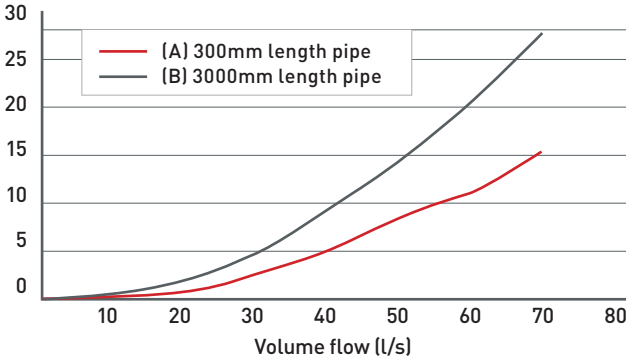
Offset Rotating Spigot, Rectangular to Round (220x90 – Ø150mm)

220x90 – Ø150mm

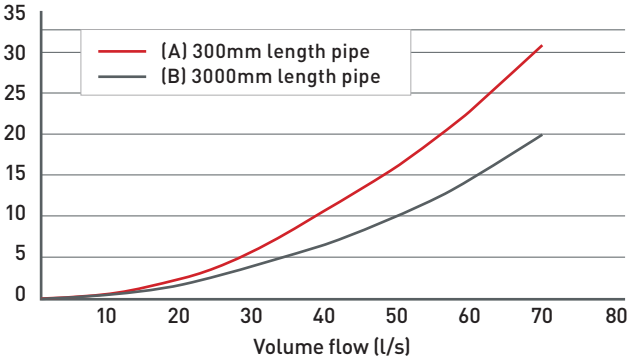
Resistance data in Pascals (Pa)

Size	@10l/s	@20l/s	@30l/s	@40l/s	@50l/s	@60l/s	@70l/s
Supply (A) – 300mm length pipe	0.3	1.2	2.8	5.0	7.7	11.2	15.4
Extract (A) – 300mm length pipe	0.7	2.6	5.7	10.3	15.6	22.5	31.0
Supply (B) – 3000mm length pipe	0.5	1.9	4.7	8.4	13.7	20.6	27.5
Extract (B) – 3000mm length pipe	0.6	1.8	4.0	6.5	10.2	14.6	19.9

Performance data for Supply (air from outside)



Performance data for Extract (air to outside)



Size		Description	Connection	Material	Colour	Code	Flammability Standards	Manufactured to
From	To (mm)							
220x90	Ø150	Offset Rotating Spigot	Female/ Male	PVC	White	961	UL94HB	ISO9001

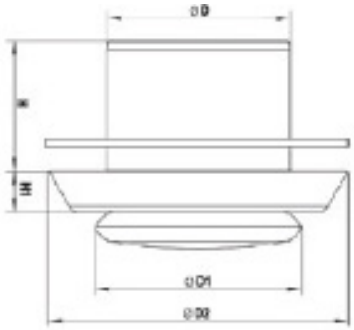
EXTRACT/SUPPLY AIR VALVE

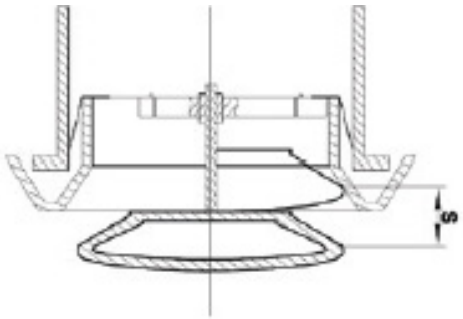
TECHNICAL DATA SHEET

The Domus Ventilation extract & supply valve is available in 2 different versions and 3 different sizes.

The 136-24, -25 & -26 come supplied with a spigot and grab ring for easy installation in a suspended ceiling, whereas the 136-04, -05 & -06 come without for installation directly into the ducting. Each valve is manufactured from gloss white HIPS and has an aerodynamic disc valve design to help distribute the air evenly. The open area of the valve is adjustable by means of a steel threaded bar and can be locked in position with the supplied locking nut.

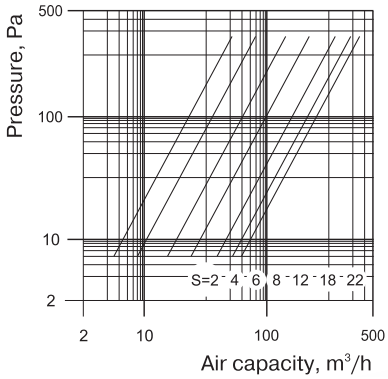
Product codes	Dimensions (mm)					Air Pass (m^2)	Damper normal pitch (mm)
	D	D1	D2	H	H1		
136-04 **136-24**	100	90	148	58	28	0-0.006	20
136-05 **136-25**	125	110	166	58	20	0-0.008	22
136-06 **136-26**	150	128	200	58	20	0-0.009	23



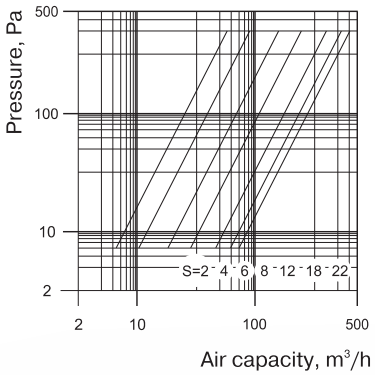


See graphs below for pressure losses at various values of 's'

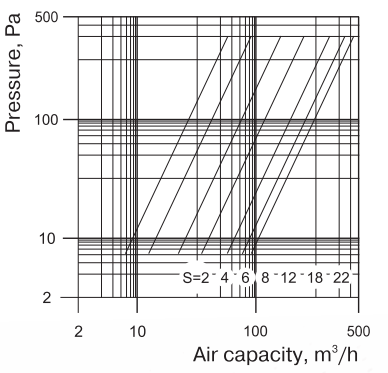
136-04 & 136-24 (100MM)



136-05 & 136-25 (125MM)



136-06 & 136-26 (150MM)



SOLIS Air Brick™

Low resistance metal air brick

The Domus Ventilation Solis Air Brick has been designed as a non-combustible air brick to maintain low resistance and comply with the latest standards set out in Approved Document B (fire safety).

The range consists of three versions: 204x60, 220x90 and 220x126 to accommodate all external wall types.

Key features

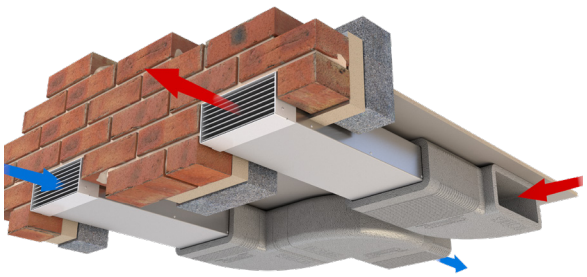
- Non-combustible as set out in Approved Document B (fire safety)
- 204x60, 220x90 and 220x126 options
- Low resistance
- Compatible with Domus Rigid and Thermal ducting range
- Air brick powder coating pre-qualified to EN13501-1 classification A2-s1,d0
- Air brick material 1.5mm galvanized steel, fire class A1 'no contribution to fire'

CIBSE CPD

- With the changes in building regulations, Domus Ventilation offers a FREE CIBSE approved CPD which runs through building regulations and how the new non-combustible air brick can integrate into your projects. Contact us for more information.

Product Codes

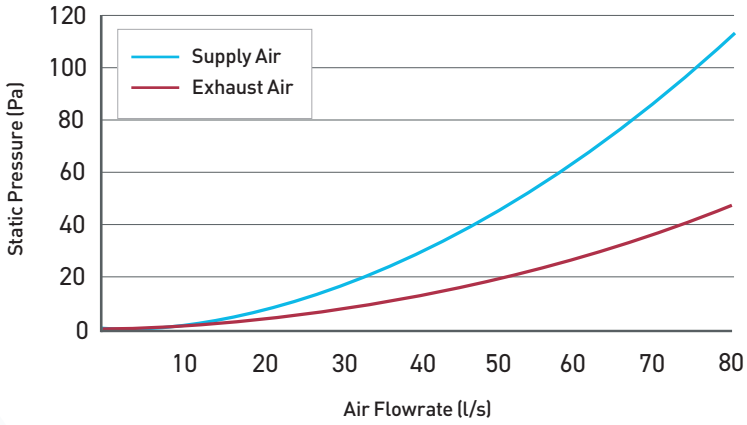
Product Codes	Description
SOL-AB-204X60W	204x60mm Single Metal Air Brick White
SOL-AB-220X90W	220x90mm Single Metal Air Brick White
SOL-AB-220X126W	220x126mm Single Metal Air Brick White
SOL-DUCT-204X60	204X60mm Metal Sleeve 550mm
SOL-DUCT-220X90	220x90mm Metal Sleeve 550mm
SOL-DUCT-220X126	220x126mm Metal Sleeve 550mm



LOW RESISTANCE METAL AIR BRICK | 204X60

Description
LOW RESISTANCE METAL AIR BRICK, 204X60 (SUPPLY) LOW RESISTANCE METAL AIR BRICK, 204X60 (EXHAUST)

Note: Supply Data based on Test Report No. TB2329. Exhaust Data based on Test Report No. TB2332.



Note: Performance testing carried out using BS EN 13141-2.

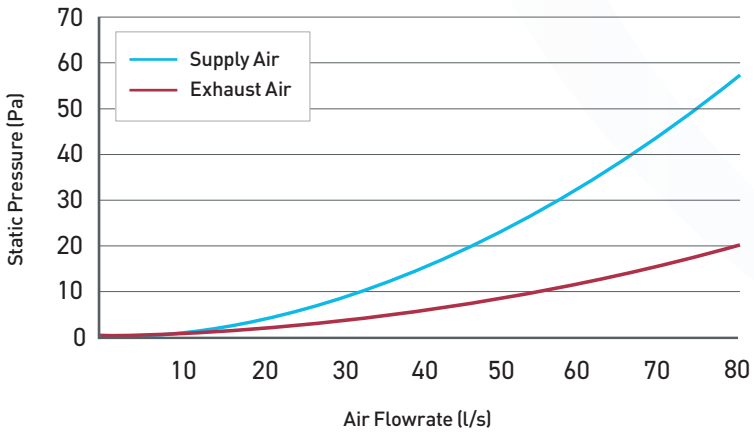
Performance data								
Flowrate (l/s)	10	20	30	40	50	60	70	80
Pressure (Pa) - (Supply)	2.1	7.7	16.9	29.8	46.3	66.4	90.1	117.5
Pressure (Pa) - (Exhaust)	1.3	4.1	8.3	13.9	20.9	29.2	39.0	50.1

LOW RESISTANCE METAL AIR BRICK | 220X90

Description

LOW RESISTANCE METAL AIR BRICK, 220X90 (SUPPLY)
LOW RESISTANCE METAL AIR BRICK, 220X90 (EXHAUST)

Note: Supply Data based on Test Report No. TB2328. Exhaust Data based on Test Report No. TB2333.



Note: Performance testing carried out using BS EN 13141-2.

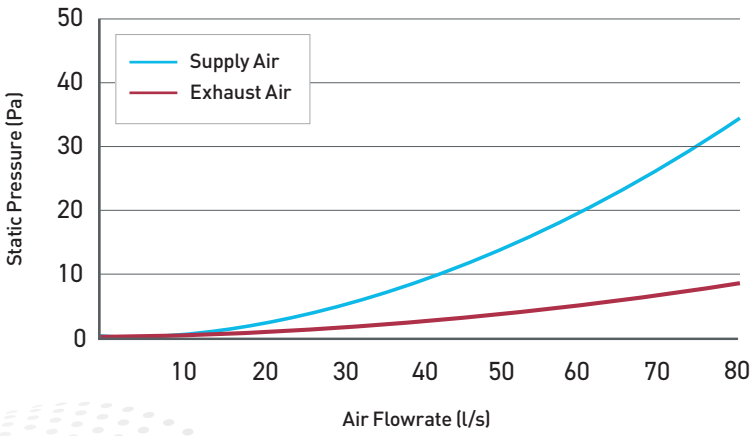
Performance data								
Flowrate (l/s)	10	20	30	40	50	60	70	80
Pressure (Pa) - (Supply)	1.0	4.0	9.0	15.9	24.7	35.5	48.2	62.9
Pressure (Pa)- (Exhaust)	1.1	2.3	4.1	6.5	9.5	13.0	17.1	21.9

LOW RESISTANCE METAL AIR BRICK | 220X126

Description

LOW RESISTANCE METAL AIR BRICK, 220X126 (SUPPLY)
LOW RESISTANCE METAL AIR BRICK, 220X126 (EXHAUST)

Note: Supply Data based on Test Report No. TB2327. Exhaust Data based on Test Report No. TB2334.

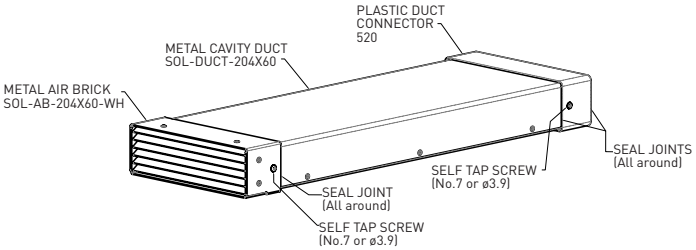


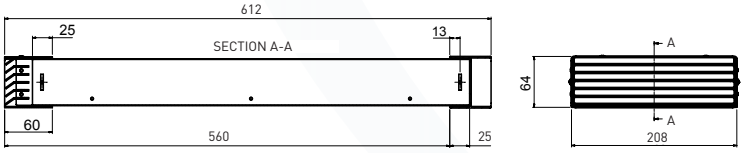
Note: Performance testing carried out using BS EN 13141-2.

Performance data								
Flowrate (l/s)	10	20	30	40	50	60	70	80
Pressure (Pa) - (Supply)	0.7	2.6	5.5	9.7	15.0	21.4	29.0	37.8
Pressure (Pa) - (Exhaust)	0.2	0.8	1.6	2.7	4.1	5.7	7.5	9.6

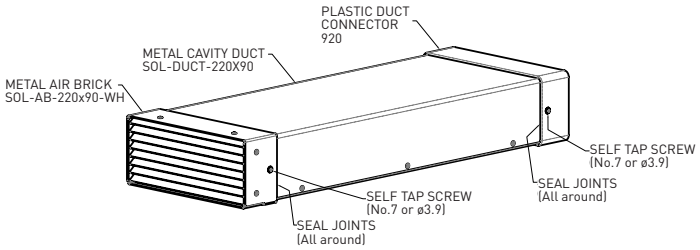
Dimensions (mm)

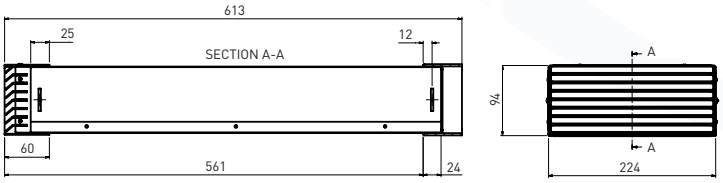
204X60



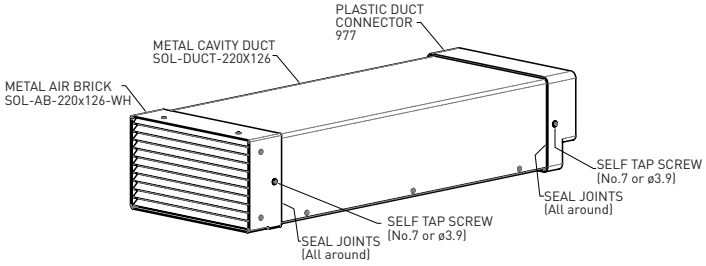


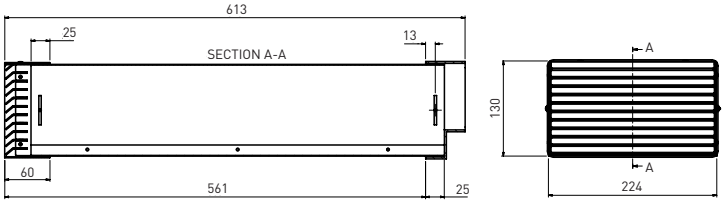
220X90





220X126



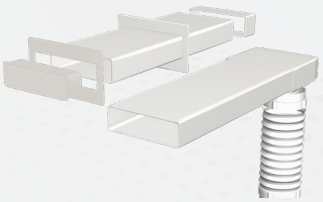


All items are to be purchased separately. Assembly to be carried out on site by installer.

WE'RE THE UK'S NO1 FOR DUCTING

Domus Ventilation is the complete solution provider of duct and accessories, offering guaranteed compatibility, compliant with regulations, quality of fit and peace of mind!

- Rigid duct
- Flexi duct
- Radial duct
- Thermal duct
- Tape, sealant and screws



The colour options are applicable to the low resistance metal air bricks only.

Colour	RAL Reference and Title	
White	Traffic White	RAL 9016
Brown	Nut Brown	RAL 8011
Cotswold	Ivory	RAL 1014

Colour	RAL Reference and Title	
Terracotta	Copper Brown	RAL 8004
Black	Traffic Black	RAL 9017
Grey	Telegrey 2	RAL 7049

Need a bespoke colour? Just send us the RAL number and we can do this for you!

NOX-FILT

The NOX-FILT range is Domus Ventilation's answer to the increasing demand for improved indoor air quality in the construction industry.

This range of in-line carbon filters are designed to be situated on the supply leg of a mechanical ventilation system, negating the need for thermal insulation, and preventing harmful airborne contaminants, including up to 99.5% of NO_2 pollution, entering the property.

Whilst the immediate emphasis is on the filtration of harmful NO_2, often found in high levels within cities across the UK, there is also the option of a PM2.5 pre-filter to maximise the filtration of Particulate Matter equal or larger in size to 2.5 microns.

Removes up to **99.5%** of harmful NO_2

Range of Options

There are two units available in the range with the only difference being what filters are included at purchase. The **NOX-FILT** houses a carbon filter cell only, whereas the **NOX-FILT2.5** includes a PM2.5 pre-filter.

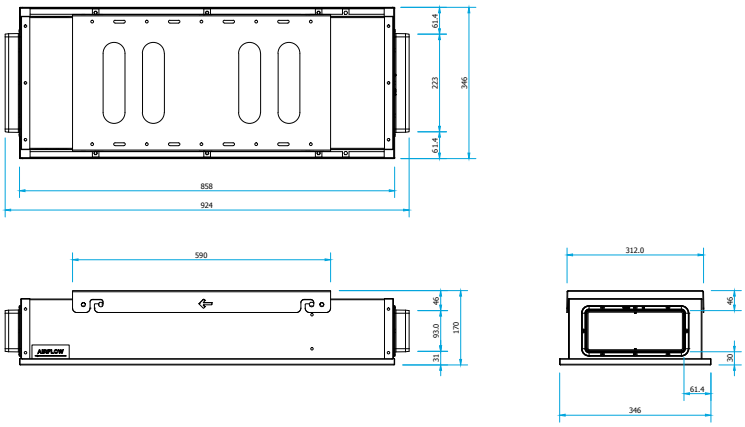
To specify the **NOX-FILT** with or without a PM2.5 pre-filter, choose the relevant code from the following table.

Code	Description	Unit
NOX-FILT	NOX-FILT without pre-filter	1
NOX-FILT2.5	NOX-FILT with a PM2.5 pre-filter	1

Key features

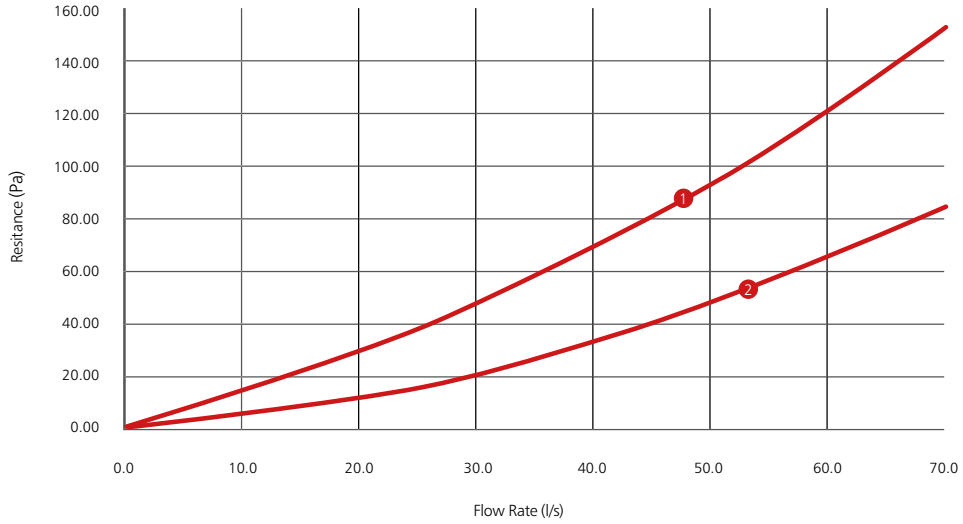
- Up to 99.5% NO_2 filtration
- Simple to replace, single carbon filter cartridge
- Low resistance meaning ventilation systems are not affected
- Optional PM2.5 pre-filter offering increased Particulate Matter filtration
- Low profile for space restrictions
- Tested in accordance with BS EN ISO 7235:2009

Dimensions (mm)



With a shallow depth of 169mm the NOX-FILT can fit comfortably in to modern ceiling voids allowing discreet installation.

Performance



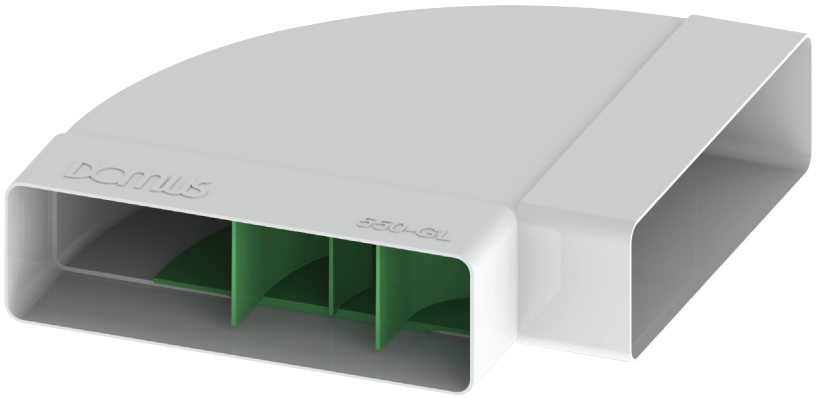
KEY

1. NOX-FILT2.5
   Carbon filter with PM2.5 pre-filter included
2. NOX-FILT
   Carbon filter only

5 YEAR WARRANTY

GREEN LINE DUCT BENDS®

Engineered to significantly reduce duct resistance, lower system noise and overall energy usage. Domus Green Line bends are an innovative solution for a well designed and energy efficient duct system.



The colour of the internal vanes as shown in the image is illustrative (manufactured in white).

Key features & benefits

- Smoothly channels air through the duct bend in a uniform flow
- Performance has been tested by the Building Research Establishment (BRE)
- Reduces duct resistance by up to 60% to lower the system's pressure drop and overall energy usage
- Reduced air speed through the bend to lower system noise

PREMIUM SOLUTION

PATENT PENDING

ENERGY EFFICIENT

Why they are needed:

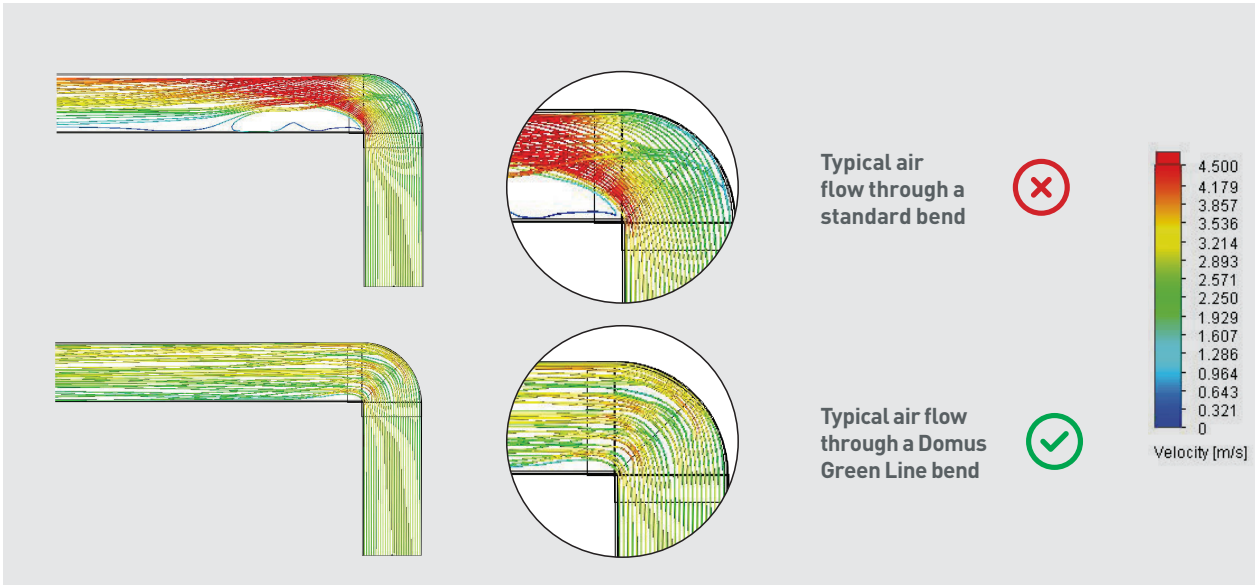
Owing to the profile of a duct bend, air travelling through it can become turbulent, causing increased resistance and system noise. As a consequence, the mechanical ventilation appliance will need to work harder in order to meet the required air flow rates; therefore consuming more energy.

Domus Ventilation Green Line high efficiency 90° duct bends have been specifically designed to enable a uniform flow of air through the section of duct, reducing the duct resistance by up to 60% and lowering the air speed. All of which results in a quieter and more efficient ventilation system.

Performance has been tested by the Building Research Establishment (BRE).

housebuilder product awards 2016 winner

Performance



THERMAL DUCT INSULATION

As an integral part of Domus rigid duct systems, Domus Thermal™ is a unique and patented duct insulation solution. Designed specifically to radically improve the thermal insulation of rigid duct passing through unheated spaces in domestic properties.

REDUCE CONDENSATE

PATENT PENDING

FASTER INSTALL

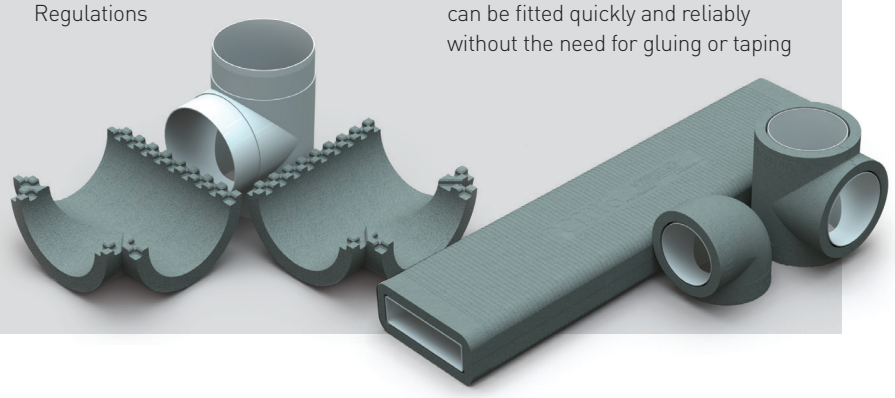
LOWERS COST

20MM THICK

PREMIUM SOLUTION

What is Domus Thermal?

- A range of EPS insulation components specifically designed to insulate round or rectangular domestic ventilation ducting passing through cold areas
- A method of significantly reducing heat loss and virtually eliminating the formation of condensation
- The first engineered duct insulation system available to comply with recent improvements to Building Regulations
- An installer-friendly solution which can be fitted quickly and reliably without the need for gluing or taping



Why use Domus Thermal?

- Approved Document F of Building Regulations 2010 states that all ducting installed in domestic properties, which passes through unheated areas or loft spaces, should be insulated with the equivalent of at least 25mm of a material having a thermal conductivity of ≤ 0.04 W/(m.K) to reduce the possibility of condensation forming
- The loss of heat through poorly insulated duct systems means that modern homes are at risk of losing a valuable source of energy; for example, when using warm exhaust air to heat fresh incoming air through an MVHR system or exhaust air heat pump
- Domus Thermal exceeds these regulations, having a thermal conductivity of 0.03 W/(m.K), thus providing better insulation and peace of mind that the system will be compliant and save energy. This greatly improved thermal conductivity allows the wall thickness to be reduced to just 20mm in most profiles

What is different about Domus Thermal?

Complies with Building Regulations

The only engineered duct insulation solution which complies with 2010 Building Regulations. The thermal performance of the range, in relation to 2010 Building Regulations, has been independently ratified by one of the UK's leading thermodynamics experts.

Building Regulations demand:
≤ 0.04 W/(m.K) thermal conductivity at 25mm insulation thickness.

Minimum thermal resistance or R-value = 0.025/0.04 = 0.625 K/W.

Domus Thermal provides:
≤ 0.03 W/(m.K) thermal conductivity at 20mm insulation thickness.

Minimum thermal resistance or R-value = 0.020/0.03 = 0.666 K/W

The increased thermal resistance of Domus Thermal therefore exceeds current Building Regulations.

Installation

Currently, compliant solutions are more labour intensive and require higher skill levels to install. Domus Thermal's simple interlocking feature means that the system is quicker and easier to install. This revolutionary method can therefore significantly reduce installation costs.

Breadth of range

Domus Thermal is available in a range of profiles and fittings to insulate the Domus EasiPipe (round) and Supertube (rectangular) duct systems.

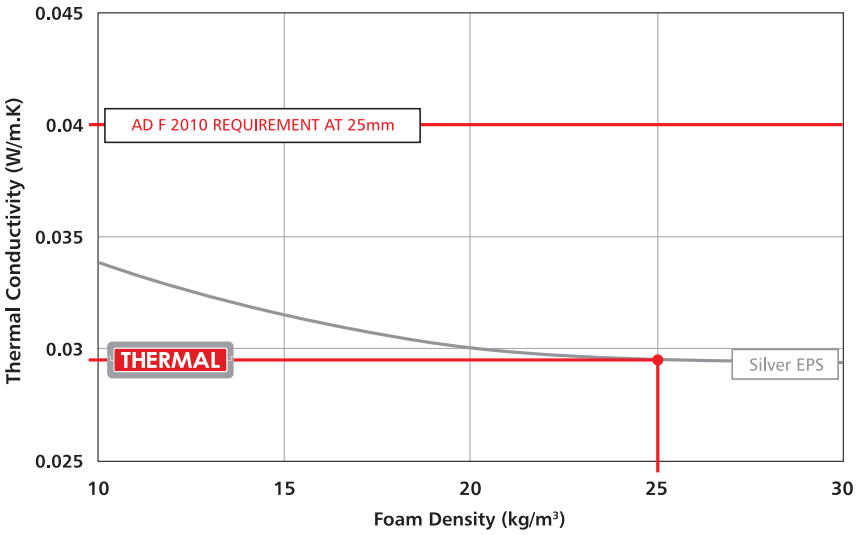
To support the system, PVC coated, perforated steel banding is also available for surface mounting or suspending the insulated system. The use of this soft-edged fixing system is strongly recommended to ensure that the insulated duct is held securely without damage.

Unique aesthetic design

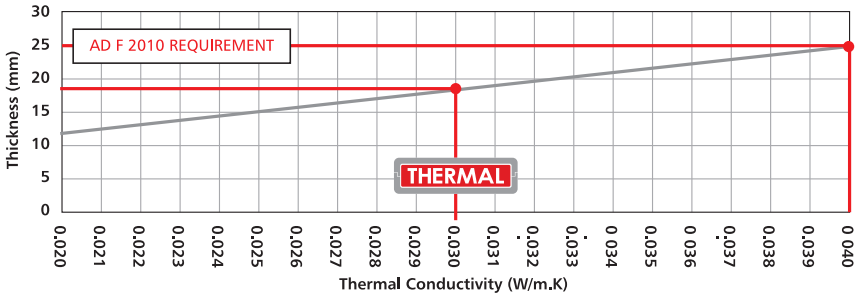
The interlocking feature and regular external profile provides homeowners with a neat, professional and continuous appearance.

Improved insulation properties

Domus Thermal is manufactured from flame retardant (EN 13163 class E) Silver EPS (expanded polystyrene), which provides its enhanced thermal insulation properties and enables the system to exceed the requirements of the current Building Regulations.



The Silver EPS used to manufacture Domus Thermal provides a significantly improved thermal conductivity value due to the inclusion of carbon particles, which gives Domus Thermal its distinctive silver colour.



Material

- Injection moulded, carbon impregnated Expanded Polystyrene (EPS)
- Density = 25kg/m³
- Colour: Silver/Grey

Size

- Wall thickness 20mm and 22.25mm*
- Components to suit 100mm internal diameter Domus EasiPipe system
- Components to suit 125mm internal diameter Domus EasiPipe system
- Components to suit 150mm internal diameter Domus EasiPipe system
- Components to suit 204mm x 60mm Domus Supertube system

*22.25mm wall thickness only applies to 1m lengths of 204mm x 60mm

NOTE. The thermal duct itself conforms to BS EN 13163. Which under section 4.2.8 references the EN 13501-1 for the reaction to fire test standard.

Sustainability

Domus Thermal products are recyclable and when installed in accordance with Domus Ventilation's installation guidelines, Domus Thermal offers a life expectancy greater than or equal to that of the Domus duct system.

Fire resistance

Reaction to Fire Class E to BS EN 13501-1, Fire classification of construction products and building elements.

NOTE. The thermal duct itself conforms to BS EN 13163. Which under section 4.2.8 references the EN 13501-1 for the reaction to fire test standard. Flame retardant to Class E of EN13163.

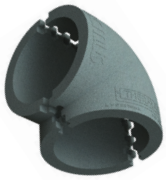
Accessories

TS22 (coated) and TS22G (not coated)
We offer a choice of coated or uncoated steel banding to support Domus Thermal. Suitable for surface mounting or suspending the insulated system

THE DOMUS THERMAL RANGE

PVC Duct

+



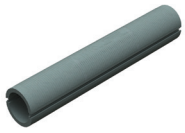
Thermal

= System

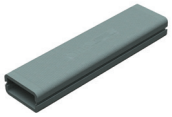
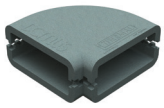
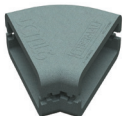
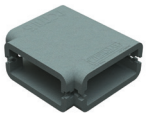
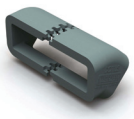
Domus Thermal is available in a range of profiles and fittings to insulate the Domus EasiPipe (round) and Supertube (rectangular) duct systems.

To support the system, PVC coated, perforated steel banding is also available for surface mounting or suspending the insulated system. The use of this soft-edged fixing system is strongly recommended to ensure that the insulated duct is held securely without damage.

Round

Product	Code	Description
	TS1100-4	Ø100mm Round Pipe Duct Insulation 1m
	TS1100-5	Ø125mm Round Pipe Duct Insulation 1m
	TS1100-6	Ø150mm Round Pipe Duct Insulation 1m
	TS490	Ø100mm Round 90º Bend Duct Insulation
	TS590	Ø125mm Round 90º Bend Duct Insulation
	TS690	Ø150mm Round 90º Bend Duct Insulation
	TS491	Ø100mm Round 45º Bend Duct Insulation
	TS591	Ø125mm Round 45º Bend Duct Insulation
	TS691	Ø150mm Round 45º Bend Duct Insulation
	TS492	Ø100mm Round Equal T Piece Duct Insulation
	TS592	Ø125mm Round Equal T Piece Duct Insulation
	TS692	Ø150mm Round Equal T Piece Duct Insulation

Rectangular

Product	Code	Description
	TS510	204 X 60mm Channel Duct Insulation 1m
	TS910	220 X 90mm Channel Duct Insulation 1m
	TS550	204 X 60mm Horizontal 90º Duct Insulation
	TS950	220 X 90mm Horizontal 90º Duct Insulation
	TS555	204 X 60mm Horizontal 45º Duct Insulation
	TS955	220 X 90mm Horizontal 45º Duct Insulation
	TS582	204 X 60mm Horizontal T Piece Duct Insulation
	TS982	220 X 90mm Horizontal T Piece Duct Insulation
	TS575	204 X 60mm Vertical 45º Bend Duct Insulation
	TS975	220 X 90mm Vertical 45º Bend Duct Insulation
	TS540	204 X 60mm Fixed Spigot Ø125mm Plenum Duct Insulation
	TS961	220 X 90mm Fixed Spigot Ø125mm Plenum Duct Insulation

DOMUS RADIAL

Whole house air distribution systems, which provide simple, quick and hassle free installation, to save time and money.

Domus Radial systems are a clever plug and play whole house ventilation solution, which use manifold distribution to evenly service each room through semi-rigid duct. These systems incorporate a centralised mechanical unit; either a Mechanical Ventilation with Heat Recovery (MVHR) or Mechanical Extract Ventilation (MEV).

Perfect ventilation choice for all residential dwellings

PREMIUM SOLUTION

LOWERS COST

FASTER INSTALL

PATENT PENDING

What is different about Domus Radial?

- Slimline manifold (125mm deep) enables easy installation between joists or in tight spaces, where required for larger developments
- Optional integral flow control device allows the outlet plenum to be connected directly to a stylish architectural grille – no air valve necessary
- Rapid fixing mechanism enables secure and air-tight connection with no leakages
- Corrugated construction and the unique formulation of semi-rigid duct resists stress cracking and on-site damage

- Can integrate with Domus rigid duct systems to create versatile hybrid solutions
- Fire-stopping and insulation components also available

Tested by the **Building Research Establishment (BRE)** for inclusion within the Product Characteristics Database, Domus Radial offers performance levels that not only are the equivalent to traditional rigid ducting in smaller builds, but also exceed these levels in properties with four or more wet rooms.

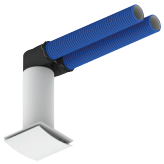
Our award winning Domus Radial semi-rigid duct systems provide simple, quick and hassle free design and installation which saves time and money, whilst maximising in-situ performance.

Key benefits

- Radial duct is up to 60% quicker and easier to install, against traditional, saving you time and money
- Easy to order pre-selected house packs enable straightforward specification and selection
- Eliminates room-to-room cross talk, for a quieter home
- Simplified design layout makes the system ideal for new and refurb projects
- Increased air capacity for reduced air noise, low duct losses and improved appliance efficiency
- Ability to integrate stylish architectural grilles, to fit interior design scheme

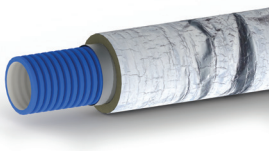
Domus Architectural Grilles

Domus Radial duct with a Flow Control Plenum, connecting to a stylish grille



Domus Radial duct with Fire Protection Sleeve

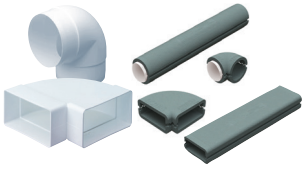
Domus Radial duct with Insulation



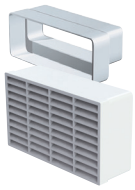
Easy Adjustment of Domus Flow Control Plenum

A Domus Radial Flow Control Plenum will allow the integration of stylish Domus grilles

Domus rigid duct with insulation and sound attenuation soultions.



Domus rigid duct 220x90mm external airbrick and adapter.



Top results (Report reference 294098)

	Pressure loss				
Air flow rate (l/s)	75 mm duct (Pa/m)	30° bend* (Pa)	45° bend* (Pa)	90° bend* (Pa)	90° elbow (Pa)
4	0.87	0.10	0.23	0.44	1.11
6	1.97	0.33	0.59	1.08	2.56
8	3.47	0.54	0.98	1.96	4.59
10	5.41	0.89	1.52	3.01	7.10
13	9.25	1.49	2.55	5.24	11.63
15	10.52	1.97	3.43	7.01	15.23

* test throat radius 250 mm.

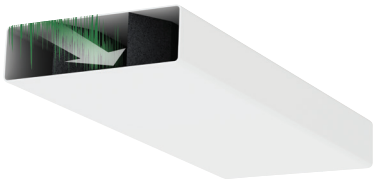
Installation

The simple plug and play mechanism between the semi-rigid duct and manifold, as well as the plenum's clip-on fixing system, make Domus Radial ultra-quick to install. As directed in our simple online step-by-step installation guide, the only tools you will require are:

- Pozidrive screw driver
- Cutting tool
- Long reach spanner*
- Allen key*

*Provided as part of architectural house packs only. Also sold as part of a kit on code FCAK1.

Domus Radial is available as pre-selected house packs, as well as individual parts.



ATTENUATION

Our Rigid Duct Attenuators offer excellent sound absorption over a range of audible frequencies.

Our rigid duct sound attenuator range now includes variants with even better sound attenuation performance, at the levels which count – the frequency in which room-to-room cross talk and appliance noise are more prominent to our hearing!

Code	Size
5SL-500	204x60mm
9SL-500	220x90mm

Key features & benefits

- Best performing plastic attenuation on the market
- Excellent sound attenuation properties as verified by the Sound Research Laboratories (SRL)
- Tamper proof
- Significantly reduces transmitted appliance noise and room-to-room cross talk
- Protected foam helps enable a long life, clean and fresh ventilation system
- Low profile increases installation options and offers greater flexibility
- Lightweight and easy to fit for quicker installation time
- Can also be used with Domus Thermal duct insulation
- Helps facilitate occupant acceptance of a continuously running centralised ventilation system
- Helps achieve Building Regulation recommendations
- The installation of Domus Ventilation rigid duct attenuators over metal alternatives, provides peace of mind that future replacement due to corrosion won't occur

Why use sound attenuators?

- Noise generated by a mechanical extract appliance could result in occupants incorrectly altering the performance of their system and as a consequence, detrimentally impacting indoor air quality.
- To avoid this, Building Regulations stipulate that the system should not produce excessive noise that could discourage occupants from using it correctly.
- In addition to this, resident cross talk carried through connecting room-to-room ducting can also impair homeowner comfort.

Installation

Rigid duct attenuators can be installed in roof and ceiling voids and are recommended to be fitted on the room-side of the ventilation appliance, to limit cross talk and to be near each inlet and outlet.

Range

To support the most popular rectangular rigid duct profiles our attenuators are available to install with 204x60mm and 220x90mm duct systems.

The attenuator can bolt together with connector 520 or 920 to increase length.

Materials

Duct attenuator: PVC plastic ducting

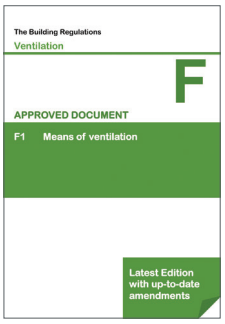
Acoustic Foam Material: High Density Reconstituted PVC/Nitrile Foam with a density of 240kg/m3. Foam contains a unique uniform cell structure, offering excellent sound absorption properties, particularly at low frequency.

Flame Retardant, compliant to BS476 Part 7 Class 1, UL94-HF1, UL94-V0 (tested by Warrington Bodycote) and FMVSS 302.

Regulations

Approved Document F of the Building Regulations F1 Means of Ventilation recommends that the system should not produce excessive noise that could discourage occupants from using it correctly.

A rigid duct attenuator should therefore form part of duct system, to ensure occupants do not incorrectly alter the performance of the system and as a consequence, detrimentally impact indoor air quality.



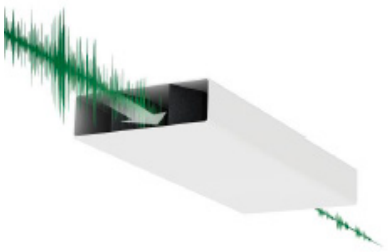
Sound Absorption Chart

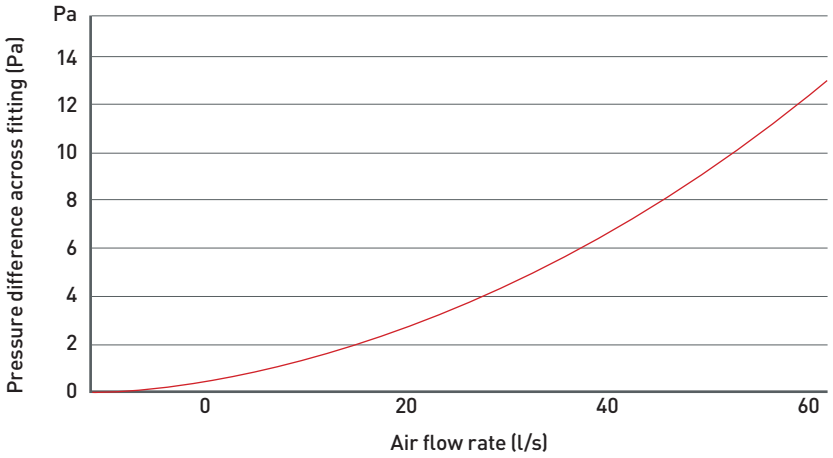
Code	Size (mm)	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
5SL-500	204x60	0.2	4.2	7.4	19	19.3	21.6	22.2
9SL-500	220x90	2.9	3.5	12.3	15.5	17	18.1	18.8

Code	Size	Description	Material	Colour
5SL-500	204x60mm	204mm x 60mm x 0.5m Attenuator (male/male)	uPVC casing	White

Performance data											
Airflow rate V (l/s)	0	10	20	30	40	25	30	35	40	50	60
Pressure drop (Pa)	0	1.8	5.8	12.1	20.6	2.5	3.4	4.5	5.8	8.8	12.4

Cubic equation to derive pressure drop = (-3.15710-6V3) + (0.0033V2) + (0.017V) - 0.033

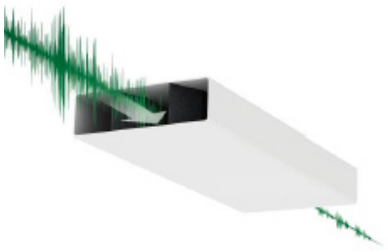


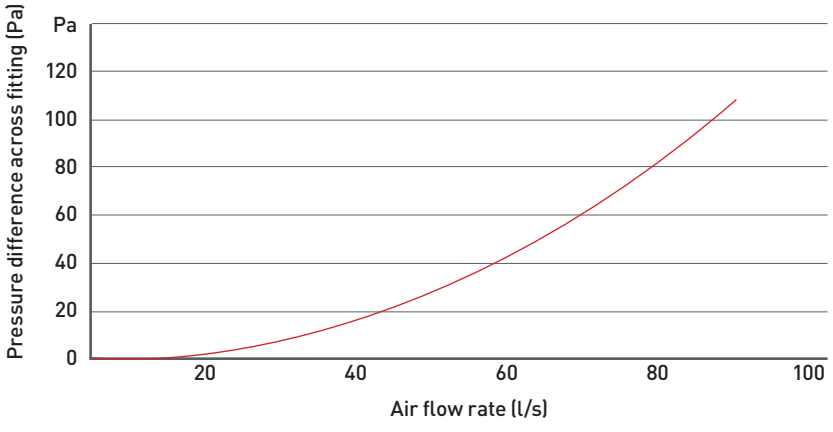


Code	Size	Description	Material	Colour
9SL-500	220x90mm	220mm x 90mm x 0.5m Attenuator (male/male)	uPVC casing	White

Performance data											
Airflow rate V (l/s)	0	5	10	15	20	25	30	35	40	50	60
Pressure drop (Pa)	0	0.1	0.4	1.0	1.6	2.5	3.4	4.5	5.8	8.8	12.4

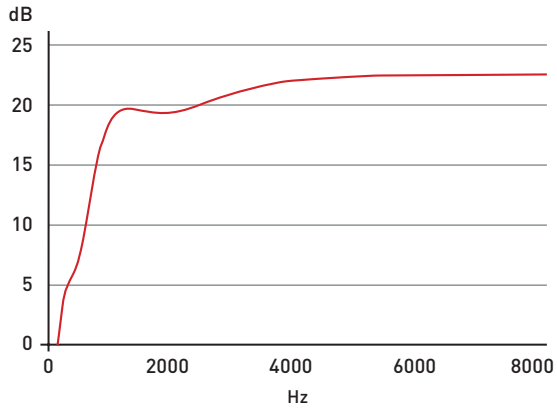
Cubic equation to derive pressure drop = (2.5310-5V3) + (0.010V2) + (0.089V) - 0.103



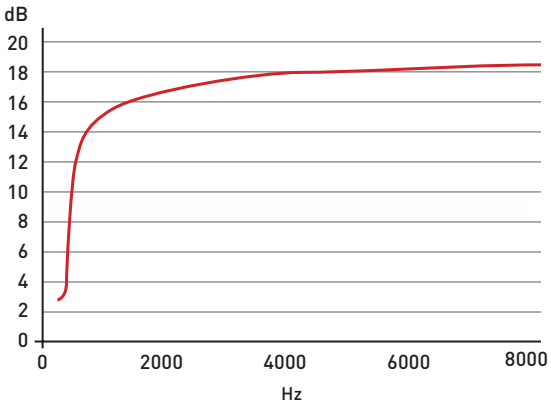


Acoustic sound results

5SL-500

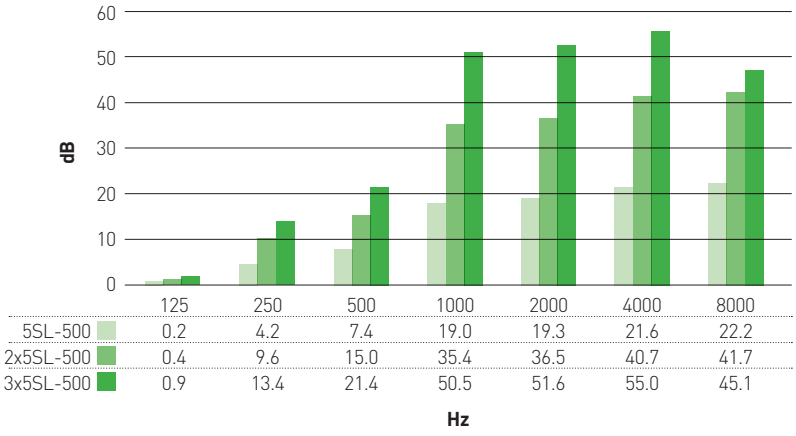


9SL-500

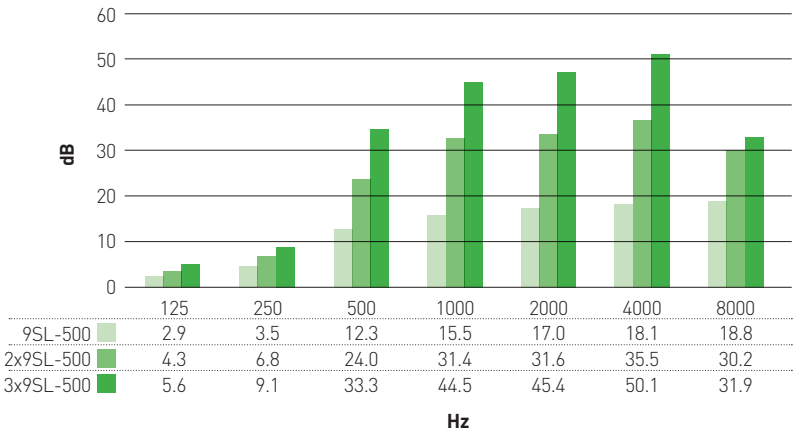


Cumulative length acoustic sound results

Octave Band Insertion Loss – 5SL-500



Octave Band Insertion Loss – 9SL-500



The diagrams illustrate the increased sound absorption levels when close-coupling up to three individual 0.5m lengths of rigid duct attenuators, thus reducing noise levels by up to 55dB.

FIRE SOLUTIONS

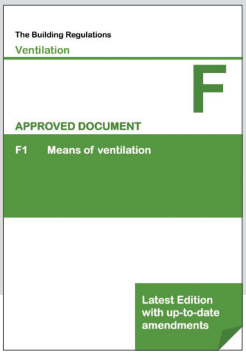
Domus Ventilation fire solutions prevent the spread of fire where rigid ducting penetrates fire compartment walls. The range includes horizontal and vertical sleeves.

All Domus Ventilation plastic ductwork is compliant with Domestic Plastic Ductwork Specification DW-154 and will meet UL94V0 (duct) and UL94HB (fittings) flammability standard.

Operating temperatures of -15˚C to 60˚C

Regulations

Building Regulations require all services passing through fire compartment walls. Domus Ventilation Fire Sleeves therefore allow plastic duct to meet the requirements of Building Regulations.

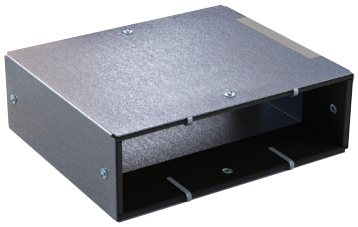


For installation and technical information visit: www.domusventilation.co.uk

FIRESLEEVES – HORIZONTAL

Key features

- Rectangular profiles tested to BSEN 1366-3: 2009
- Round profile tested to the temperature and pressure conditions of BSEN 1363-1: 1999 and the principles of BSEN 1366-3: 2009
- Up to 90 minutes fire rating (see table below for exact rating)
- Tested with Uncapped/Uncapped (U/U) duct configurations as required for ventilation duct
- Rectangular profiles are very slimline, saving ceiling space
- Suitable for masonry walls or plasterboard partitions
- Suitable for insulated and non-insulated partitions
- Can be retrofitted
- No mechanical fixings required
- Robust galvanised steel shell
- Performance unaffected by weathering (type x durability)



Product code	Duct size	Space needed around duct to fit the fire collar	Recommended aperture	Length	Fire rating (mins)
DFS110	110 x 54mm	5mm	180 x 73 mm	140mm	120
DFS204	204 x 60mm	5mm	216 x 72mm	140mm	90
DFS220	220 x 90mm	5mm	241 x 112mm	140mm	60

Product code	Duct size	Space needed around duct to fit the fire collar	Recommended aperture	Length	Fire rating (mins)
DFS100	Ø100mm	10mm	130mm	100mm	120
DFS125	Ø125mm	20mm	170mm	180mm	90

Note: This product is to be exclusively used where horizontal plastic ductwork penetrates a fire rated wall. One unit should be fitted on each side of the wall following all manufacturers installation instructions. Only horizontal applications.

Our range of fire wrap products are designed to be installed on straight rigid PVC ducting lengths only. For further information please contact Nuaire for technical data and installation documents.

FIRE COLLARS

Fire Collars assist with preventing the spread of fire where Domus Rigid Ducting penetrates fire compartment walls. These help to gain regulation compliance.

Key features

- Tested to BSEN 1366-3: 2009
- CE Marked
- Up to 4 hour fire rating
- Suitable for PVC, PVC-U, PE, HDPE, MDPE, PP & ABS pipes
- Available for Ø100mm, Ø125mm and Ø150mm ducting
- Can be retrofitted
- Robust galvanised steel shell
- Performance unaffected by weathering (type X durability)

Ø125mm

Ø150mm

Product code	Duct size	Space needed around duct to fit the fire collar	Recommended aperture	Length	Fire rating (mins)
DFSV100	Ø100mm	40mm	Ø112mm	50mm	240
DFSV125	Ø125mm	45mm	Ø132mm	50mm	240
DFSV150	Ø150mm	50mm	Ø162mm	50mm	60

Note: For horiztonal use only. One unit should be fitted on each side of the wall following all manufacturers installation instructions.

ADAPTERS

Ducts and Bends – Ø100mm

Product code SPG code	Product	Description	Box Qty
Product code: DD019 SPG code: VT06		Circular Adapter 100-80mm	n/a
Product code: 119 SPG code: VT03C		Domus Rigid Duct Ø100-Ø125mm In-Line Adapter Round-Round White	n/a
Product code: 120 SPG code: VT03G		Domus Rigid Duct Ø100-Ø110mm In-Line Adapter Round-Round White	n/a
Product code: 619 SPG code: VT03E		Domus Rigid Duct Ø100-Ø150mm In-Line Adapter Round-Round White	n/a
Product code: 40119 SPG code: VT03A		Domus Rigid Duct Ø100-Ø125mm In-Line Adapter Round-Round White Retail Pack	n/a
Product code: 40120D SPG code: VT03A		Domus Rigid Duct Ø100-Ø110mm In-Line Adapter Round-Round White Retail Pack	n/a
Product code: 380 SPG code: VT03A		Domus EasiPipe Flexible Duct Ø100mm 0.1m Flexible Hose Connector White	n/a
Product code: 580 SPG code: VT03C		Domus EasiPipe Flexible Duct Ø125mm 0.1m Flexible Hose Connector White	n/a
Product code: 493 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Straight Connector White	n/a
Product code: 40493 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Straight Connector White Retail Pack	n/a

Product code SPG code	Product	Description	Box Qty
Product code: 494 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Straight Connector with Damper White Retail Pack	n/a
Product code: 40494 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Straight Connector with Damper White	n/a
Product code: 495 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Straight Duct Connector and Wall Plate White	n/a
Product code: 544 SPG code: VT03A		Domus Rigid Duct Ø100-Ø125 mm In-Line Adapter Space Saving White	n/a
Product code: 644 SPG code: VT03A		Domus Rigid Duct Ø100, Ø125mm or Ø150mm - In-Line Adapter Space Saving White	n/a
Product code: 126-4 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Flexible Hose Connector with Threaded Socket White	n/a
Product code: 124-4 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Flexible Hose Connector with Threaded Spigot White	n/a
Product code: 40124 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Flexible Hose Connector with Threaded Spigot White Retail Pack	n/a
Product code: 40126 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Flexible Hose Connector with Threaded Socket White Retail Pack	n/a

Ducts and Bends – Ø100mm

Product code SPG code	Product	Description	Box Qty
Product code: 114-4 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Wall Plate White	n/a
Product code: 40114 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Wall Plate White	n/a
Product code: 496 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Clip White	n/a
Product code: 40496 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Clip White Retail Pack	n/a
Product code: 40127 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Aluminium Duct Clip White	n/a
Product code: 125-4 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Aluminium Hose Clip Aluminium	n/a
Product code: 125-UNI SPG code: VT03E		Domus EasiPipe Rigid Duct Ø100mm Aluminium Universal Hose Clip Aluminium	n/a
Product code: 40125D SPG code: VT03A		Domus EasiPipe Rigid Duct Ø100mm Aluminium Hose Clip White. Retail Pack	n/a

Ducts and Bends – Ø125mm

Product code: 118 SPG code: VT03E		Domus Rigid Duct Ø125-Ø150mm In-Line Adapter Round-Round White	n/a
Product code: 50118 SPG code: VT03A		Domus Rigid Duct Ø125-Ø150mm In-Line Adapter Round-Round White Retail Pack	n/a

Ducts and Bends – Ø125mm

Product code SPG code	Product	Description	Box Qty
Product code: 519 SPG code: VT03C		Domus Rigid Duct Ø125-Ø120mm In-Line Adapter Round-Round White	n/a
Product code: 590 SPG code: VT03C		Domus EasiPipe Rigid Duct Ø125mm 90º Horizontal Bend White	n/a
Product code: 50590 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø125mm 90º Horizontal Bend White Retail Pack	n/a
Product code: 591 SPG code: VT03C		Domus EasiPipe Rigid Duct Ø125mm 45º Horizontal Bend White	n/a
Product code: 593 SPG code: VT03C		Domus EasiPipe Rigid Duct Ø125mm Straight Connector White	n/a
Product code: 50593 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø125mm Straight Connector White Retail Pack	n/a
Product code: 594 SPG code: VT03C		Domus EasiPipe Rigid Duct Ø125mm Straight Connector with Damper White	n/a
Product code: 50594 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø125mm Straight Connector with Damper White Retail Pack	n/a
Product code: 595 SPG code: VT03C		Domus EasiPipe Rigid Duct Ø125mm Straight Duct Connector and Wall Plate	n/a
Product code: 125-5 SPG code: VT03C		Domus EasiPipe Rigid Duct Ø125mm Aluminium Hose Clip Aluminium	n/a

Ducts and Bends – Ø125mm

Product code SPG code	Product	Description	Box Qty
Product code: 50125 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø125mm Aluminium Hose Clip Silver Retail Pack	n/a
Product code: 596 SPG code: VT03C		Domus EasiPipe Rigid Duct Ø125mm Clip White	1
Product code: 50126 SPG code: VT03A		Domus EasiPipe Rigid Duct Ø125mm Flexible Hose Connector with Threaded Socket White Retail Pack	n/a
Product code: 114-5 SPG code: VT03C		Domus EasiPipe Rigid Duct Ø125mm Wall Plate White	n/a
Product code: 126-5 SPG code: VT03C		Domus EasiPipe Rigid Duct Ø125mm Flexible Hose Connector with Threaded Socket White	n/a

Ducts and Bends – Ø150mm

Product code SPG code	Product	Description	Box Qty
Product code: 620 SPG code: VT03E		Domus Rigid Duct Ø150-Ø160mm In-Line Adapter Round-Round White	n/a
Product code: 819 SPG code: VT03G		Domus Rigid Duct Ø150-Ø200mm In-Line Adapter Round-Round White	n/a

Ducts and Bends – Ø150mm

Product code SPG code	Product	Description	Box Qty
Product code: 680 SPG code: VT03E		Domus EasiPipe Flexible Duct Ø150mm 0.1m Flexible Hose Connector White	n/a
Product code: 693 SPG code: VT03E		Domus EasiPipe Rigid Duct Ø150mm Straight Connector White	n/a
Product code: 694 SPG code: VT03E		Domus EasiPipe Rigid Duct Ø150mm Straight Connector with Damper White	n/a
Product code: 695 SPG code: VT03E		Domus EasiPipe Rigid Duct Ø150mm Straight Duct Connector and Wall Plate White	n/a
Product code: 696 SPG code: VT03E		Domus EasiPipe Rigid Duct Ø150mm Clip White	n/a
Product code: 114-6 SPG code: VT03E		Domus EasiPipe Rigid Duct Ø150mm Wall Plate White	n/a
Product code: 125-6 SPG code: VT03E		Domus EasiPipe Rigid Duct Ø150mm Aluminium Hose Clip Aluminium	n/a
Product code: 126-6 SPG code: VT03E		Domus EasiPipe Rigid Duct Ø150mm Flexible Hose Connector with Threaded Socket White	n/a

FAQ´S

How do I make my ventilation system quiet?

- A noisy ventilation system is more often than not a result of ducting that is too small for the volume of air extracted, or poorly installed. This creates excess noise and added strain on the motor and reduces life expectancy of the fan.

  Where the ducting isn't the cause of sound, it can be the carrier of it. Sound can travel down the ducting from the fan, or from traffic noise or room-to-room cross talk. Duct sound attenuators can be used, which effectively absorb sound over a range of audible frequencies.

How do I identify good ducting from bad?

- There's no standard when looking to differentiate a product or range. That's why we put our ducting through rigorous testing to guarantee the system will meet the required level of extract performance dictated by Building Regulations including the NHBC guidance.

Can I mix different manufacturer's ducting in one system if it's the same size?

- A mix and match approach to ventilation ducting is never a good idea. If you use ducts from one manufacturer and then accessories from another because the first one doesn't have the parts you need, your system may be less effective and problems will occur. Instead, use a single source for your ducting from a complete system provider as you are then guaranteed compatibility and quality of fit and, ultimately, good air flov.

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