

SUPAFLO FLATPACK LOW PROFILE DUCT SYSTEM



DESCRIPTION

Supaflo FlatPack duct is a low profile alternative to round PVC pipe commonly used in ventilation systems. It has a compact design that makes it ideal for applications where space is limited and features a smooth inner surface which minimises pressure loss and therefore improves air flow. The modular, slide-together design of the system makes it simple to install into most applications. There are three sizes of Supaflo FlatPack ducting available, the 125 series, 165 series and 180 series.

Typical Applications

Designed for exhaust and supply air ventilation systems in residential accommodation such as apartments and homes. Suitable for exhausting air from toilets, bathrooms and low pressure kitchen systems.

Features

- Can be cut down to size to fit into virtually any space.
- Large range of fittings ensures duct can be installed into most applications.
- Specially designed flat channel clip makes mounting duct easy.
- A cost effective alternative to sheet metal ducting where air flows allow.
- Components are light weight, corrosion resistant and hygienic.

Construction

Duct is extruded and moulded from self-extinguishing uPVC

Testing

UL181.11-2013, AS1530.3-1999

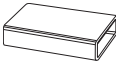








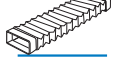









Supaflo FlatPack low profile ducting has been shown to comply with the requirements of the Building Code of Australia 2016. For further information please contact your local sales office for the latest copy of the performance BC Fire Engineering Assessment "Fantech FlatPack Duct System".

SUGGESTED SPECIFICATION





The ducting shall be of the Supaflo FlatPack low profile duct range as supplied by Fantech Pty Ltd and be of the model number shown on the schedule/drawings.

Duct channel shall be manufactured from self extinguishing uPVC with a smooth inner surface. The duct system shall be a modular, slide-together design and come with a specially designed flat channel clip.

The duct system shall comply to the requirements of the Building Code of Australia 2016.

Description	125 Series	165 Series	180 Series
 Flat rigid duct 2 metre long	FPD125-DUCT-2M 204mm x 60mm	FPD165-DUCT-2M 220mm x 90mm	FPD180-DUCT-2M 320mm x 76mm
 Duct connector	FPD125-CONDD	FPD165-CONDD	FPD180-CONDD
 Self seal connector duct to duct	FPD125-CONSSDD	FPD165-CONSSDD	-
 Self seal connector duct to fittings	FPD125-CONSSDF	FPD165-CONSSDF	-
 90° Horizontal bend	FPD125-HBEND-90	FPD165-HBEND-90	FPD180-HBEND-90
 45° Horizontal bend	FPD125-HBEND-45	FPD165-HBEND-45	FPD180-HBEND-45
 90° Vertical bend	FPD125-VBEND-90	FPD165-VBEND-90	-
 45° Vertical bend	FPD125-VBEND-45	FPD165-VBEND-45	FPD180-VBEND-45
 Equal T piece	FPD125-TPIECE	FPD165-TPIECE	FPD180-TPIECE
 Flexible bend	FPD125-FLEXBEND	FPD165-FLEXBEND	-
 Rangehood adapter - rotating Ø150mm	FPD125-TR150-90	-	-
 Rangehood adapter - fixed Ø125mm	-	FPD165-TR125-90	-
 Rangehood adapter - fixed Ø150mm	-	FPD165-TR150-90	FPD180-TR150-90
 Round/rectangular transition - Ø125mm	FPD125-TR125	-	-
 Round/rectangular transition - Ø150mm	-	FPD165-TR150	-
 Oval/rectangular transition - Ø150mm	-	-	FPD180-TR150
 Oval/rectangular transition - Ø200mm	-	-	FPD180-TR200
 Wall plate	FPD125-WPR	-	-
 Duct Clip - metal	FPD125-CLIPMETAL	FPD165-CLIPMETAL	FPD180-CLIPMETAL

Circular reducer/expanders

 Circular reducer/expander Ø125mm to Ø100mm	FPD-RED125/100
 Circular reducer/expander Ø150mm to Ø100mm	FPD-RED150/100
 Circular reducer/expander Ø150mm to Ø125mm	FPD-RED150/125
 Circular reducer/expander Ø200mm to Ø150mm	FPD-RED200/150

SUPAFLO FLATPACK LOW PROFILE DUCT SYSTEM

PERFORMANCE DATA

125 Series (204mm X 60mm)

Component	Description	Air flow L/s @ Pressure Loss, Pa			
		30L/s	60L/s	90L/s	120L/s
FPD125-DUCT-2M	Flat rigid duct, 204mm x 60mm, 2m long	3.9	14.4	30.8	52.7
FPD125-CONDD	Duct connector	0.3	1.1	2.0	3.5
FPD125-CONSSDD	Self seal connector duct to duct	1.2	3.2	6.5	10.4
FPD125-CONSSDF	Self seal connector duct to fittings	0.9	3.4	7.5	14.4
FPD125-HBEND-90	90° Horizontal bend	7.5	30.6	69.9	125.6
FPD125-HBEND-45	45° Horizontal bend	2.7	13.2	35.0	71.6
FPD125-VBEND-90	90° Vertical bend	4.5	17.9	40.2	71.2
FPD125-VBEND-45	45° Vertical bend	2.7	13.4	30.1	53.4
FPD125-TPIECE	Equal T piece	-	-	-	-
FPD125-FLEXBEND	Flexible bend	-	-	-	-
FPD125-TR150-90	Rangehood adapter - rotating Ø150mm	5.9	23.5	52.9	94.1
FPD125-TR125	Round/rectangular transition - Ø125mm	3.8	15.4	34.8	61.9

- Denotes no pressure loss data available



Scan the QR Code to view more information online.



165 Series (220mm X 90mm)

Component	Description	Air flow L/s @ Pressure Loss, Pa					
		30L/s	60L/s	90L/s	120L/s	150L/s	180L/s
FPD165-DUCT-2M	Flat rigid duct, 220mm x 90mm, 2m long	0.7	2.3	4.7	7.8	11.7	16.3
FPD165-CONDD	Duct connector	0.0	0.0	0.1	0.2	0.4	0.7
FPD165-CONSSDD	Self seal connector duct to duct	0.1	0.1	0.2	0.4	0.6	0.9
FPD165-CONSSDF	Self seal connector duct to fittings	0.1	0.3	0.5	0.8	1.1	1.5
FPD165-HBEND-90	90° Horizontal bend	1.8	7.3	16.5	29.5	46.0	66.6
FPD165-HBEND-45	45° Horizontal bend	0.7	2.4	5.2	9.0	13.8	19.6
FPD165-VBEND-90	90° Vertical bend	1.7	6.2	13.7	24.1	37.3	53.3
FPD165-VBEND-45	45° Vertical bend	0.5	1.9	3.9	6.5	9.8	13.7
FPD165-TPIECE	Equal T piece	-	-	-	-	-	-
FPD165-FLEXBEND	Flexible bend	-	-	-	-	-	-
FPD165-TR150-90	Rangehood adapter - fixed Ø150mm	2.8	10.6	23.6	41.8	65.4	94.1
FPD165-TR125-90	Rangehood adapter - fixed Ø125mm	5.9	23.0	50.8	90.2	140.6	202.1
FPD165-TR150	Round/rectangular transition - Ø150mm	0.6	1.7	3.3	5.4	7.9	10.8

- Denotes no pressure loss data available

180 Series (320mm X 76mm)

Component	Description	Air flow L/s @ Pressure Loss, Pa				
		60L/s	90L/s	120L/s	150L/s	180L/s
FPD180-DUCT-2M	Flat rigid duct, 320mm x 76mm, 2m long	2.1	4.4	6.3	8.1	10.1
FPD180-CONDD	Duct connector	0.0	0.1	0.2	0.4	0.6
FPD180-HBEND-90	90° Horizontal bend	6.2	12.4	20.8	32.0	46.1
FPD180-HBEND-45	45° Horizontal bend	2.1	4.3	6.7	9.4	13.5
FPD180-VBEND-45	45° vertical bend	0.5	1.0	2.1	4.1	7.6
FPD180-TPIECE	Equal T piece	-	-	-	-	-
FPD180-TR150-90	Rangehood adapter - fixed Ø150mm	10.5	22.5	35.5	62.2	89.9
FPD180-TR200	Oval/rectangular transition - Ø200mm	0.4	0.9	1.7	2.9	5.0
FPD180-TR150	Oval/rectangular transition - Ø150mm	1.5	2.1	2.9	3.8	6.7

Circular reducer/expanders

Component	Description	Air flow L/s @ Pressure Loss, Pa			
		30L/s	60L/s	90L/s	120L/s
FPD-RED125/100	Ø125mm to Ø100mm	5.9	24.0	46.0	73.0
FPD-RED150/100	Ø150mm to Ø100mm	7.7	30.8	64.0	103.0
FPD-RED150/125	Ø150mm to Ø125mm	2.2	8.8	28.0	48.0
FPD-RED200/150	Ø200mm to Ø150mm	5.1	20.5	42.7	68.7

Accessories

Components	Description	Air flow L/s @ Pressure Loss, Pa (Exhaust only)				
		30L/s	60L/s	90L/s	120L/s	150L/s
PFL150	Plastic Fixed Louvre - Ø150 spigot complete with fly wire	10	34	80	145	230
PGL150	Plastic Gravity Louvre - Ø150 spigot	7	19	42	77	125