

Supaflo



PACK

A low profile duct system for restricted ceiling spaces

- > Low profile modular design
- > Quick and easy to install
- > BCA compliant



The **Supaflo** FlatPack System is ideal for buildings such as apartments and hotels that have been designed with limited inner ceiling space. The system's smooth inner surface minimises pressure loss, while its easy-to-fit components make it quick to install.



A low profile, easy to install modular system

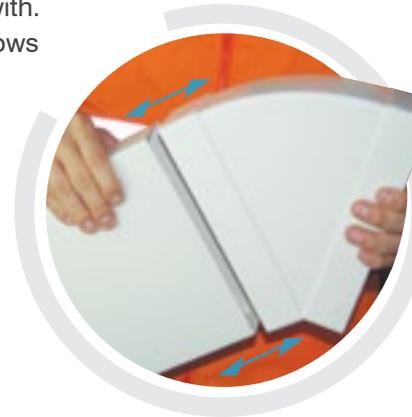
The **Supaflo FlatPack Low Profile Duct System** is the ideal alternative to 150mm round PVC pipe commonly used in ventilation systems for apartments, hotels and wherever ceiling space is limited. Where air flow allows, the system is also a cost effective alternative to sheet metal ducting.

Today's architects and builders strive to achieve living and work spaces that make the most of a building's interior, while being more cost effective and energy efficient. In order to achieve this, building designers are minimising the inner ceiling space and therefore reducing the space for installers to run the building's services.

The Supaflo FlatPack system's low profile design makes it ideal for these space restricted applications. The system fits together tightly and features a smooth inner surface which minimises pressure loss and therefore improves air flow. In some applications a less powerful fan may be possible.

Quick and easy to install

The modular, slide-together design of the Supaflo FlatPack system makes it easy for an installer to work with. Its PVC construction allows the duct to be cut down to size so it can fit into virtually any space. The system also features a specially designed mounting bracket which makes the system convenient to hang.

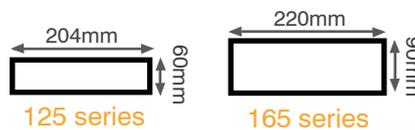


Complies to BCA

The high quality Supaflo FlatPack system is manufactured from PVC, so the components are light weight, corrosion-free and hygienic. It complies with the requirements of the Building Code of Australia 2016.

Flat Duct sizes

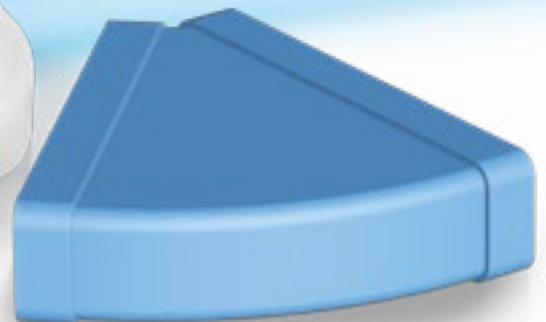
There are 3 sizes of Supaflo FlatPack ducting available.



FlatPack 125 and 165 series are suitable for most exhaust air applications in apartments and hotel rooms.



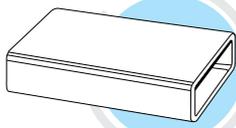
The 180 series duct can handle higher air flow volumes and is more suitable when exhaust air from more than one room.



Supaflo FlatPack range

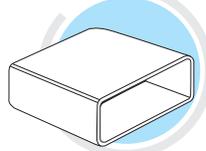
Flat Rigid Duct - 2 metres long

- 125 series**
FPD125-DUCT-2M
- 165 series**
FPD165-DUCT-2M
- 180 series**
FPD180-DUCT-2M



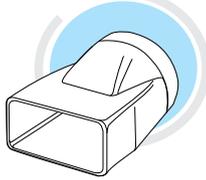
Duct Connector

- 125 series**
FPD125-CONDD
- 165 series**
FPD165-CONDD
- 180 series**
FPD180-CONDD



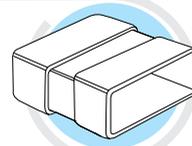
Round/Rectangular Adapter

- 125 series**
FPD125-TR125
(Ø125mm)
- 165 series**
FPD165-TR150
(Ø150mm)
- 180 series**
FPD180-TR200
(Ø200mm)



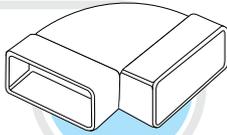
Self Seal Connector Duct to Duct

- 125 series**
FPD125-CONSSDD
- 165 series**
FPD165-CONSSDD



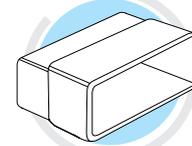
90° Horizontal Bend

- 125 series**
FPD125-HBEND-90
- 165 series**
FPD165-HBEND-90
- 180 series**
FPD180-HBEND-90



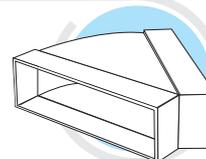
Self Seal Connector Duct to Fitting

- 125 series**
FPD125-CONSSDF
- 165 series**
FPD165-CONSSDF



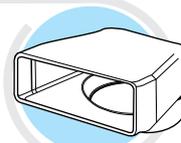
45° Horizontal Bend

- 125 series**
FPD125-HBEND-45
- 165 series**
FPD165-HBEND-45
- 180 series**
FPD180-HBEND-45



Rotating Elbow Bend

- 125 series**
FPD125-TR150-90
(Ø150mm)



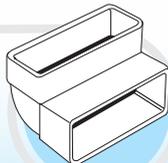
Fixed Elbow Bend

- 165 series**
FPD165-TR125-90
(Ø125mm)
- 165 series**
FPD165-TR150-90
(Ø150mm)



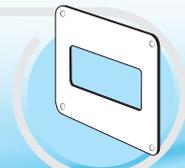
90° Vertical Bend

- 125 series**
FPD125-VBEND-90
- 165 series**
FPD165-VBEND-90



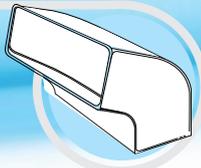
Wall Plate

- 125 series**
FPD125-WPR



45° Vertical Bend

- 125 series**
FPD125-VBEND-45
- 165 series**
FPD165-VBEND-45



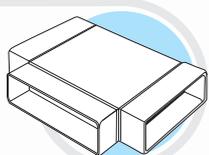
Circular Reducer/Expander

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



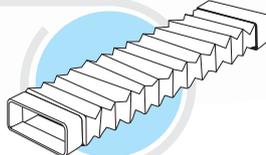
Equal T Piece

- 125 series**
FPD125-TPIECE
- 165 series**
FPD165-TPIECE



Flexible Bend

- 125 series**
FPD125-FLEXBEND
- 165 series**
FPD165-FLEXBEND



Supaflo is a big move forward

Since using Supaflo FlatPack to solve an issue with static pressure, Melbourne-based HVAC contractor Balanced Air has become converts of the low profile duct system.

"We've been using Supaflo FlatPack for 2 years now," says Balanced Air's Senior Estimator, Andrew Owen.

"We had a job where the engineers were specifying the use of 6 inch flexible spiral duct all the way to an external louvre, which was 15 to 20 metres from the bathroom. But the static pressure would have been too large, so we decided to go with the Supaflo low profile duct system."

Andrew says the first time Balanced Air commissioned a job with Supaflo, airflow improved by around 50%.

"We were only looking for a 20% improvement, so using Supaflo is a big move forward."

As well as being easy to install, Andrew says Supaflo's low profile design and lightweight PVC construction avoids the issues of crushed duct that are common in restricted ceiling spaces.

"We use Supaflo FlatPack on every job where there is a restricted ceiling space," says Andrew. "It's safer and provides us with a lot more peace of mind."



Andrew Owens

Flat Duct Clip - Metal

- 125 series**
FPD125-CLIPMETAL
- 165 series**
FPD165-CLIPMETAL
- 180 series**
FPD180-CLIPMETAL



Supaflo



PACK

Performance data

125 Series (204 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
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-TR150-90	Round/rectangular rotating transition 90° bend - Ø150mm	5.9	23.5	52.9	94.1	
FPD125-TR125	Round/rectangular transition - Ø125	3.8	15.4	34.8	61.9	

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
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-TR150-90	90° Rangehood adapter - Ø150mm	2.8	10.6	23.6	41.8	65.4	94.1	
FPD165-TR125-90	90° Rangehood adapter - 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	

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	2.8	4.4	6.3
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-TR200	Round/rectangular transition - Ø200mm	0.4	0.9	1.7	2.9	5.0	

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
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	

Complemented by an extensive Fantech range - The Supaflo FlatPack Low Profile Duct System is complemented by an extensive range of Fantech fans, sensors, timers, grilles and backdraft dampers. Please refer to the Fans by Fantech catalogue, CD Product Selection Program or the Fantech website for the full list of features and performance data of these products.



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Specifications and design subject to change without notice.