

# Flat duct systems



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## Key features

- **Type:** Low profile flat plastic & metal ducting
- **Application:** Particularly suitable for use with Premier DX180, DX200/400 & CF20/40 models.
- **Size options:**
- **Installation:** Simple push fit & easily concealed
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- **Installation:** Simple push fit & easily concealed

## The range

- The ideal ducting solution for a variety of domestic installations where ceiling or wall space is limited.
- In many refurbishment projects walls or ceilings are battened to provide a narrow space for services such as plumbing electrical wiring and ventilation.
- Where space is limited Profile duct is ideal above kitchen wall units, in cavity walls and even under floors.
- Xpelair **Profile 29** is an easy to assemble, push fit, modular ventilation duct system designed for flush mounted fan installation within a minimum gap of 50mm ceiling void. It is lightweight and easy to cut to length using a cross-cut saw.
- **Profile 29** systems are non reverberant and will not deteriorate in applications where high humidity is present.
- The system includes a full range of vertical and horizontal bends including special adaptors for connection to the top and rear of Premier DX200 & CF20 centrifugal fans.
- The extensive range of accessories offers the flexibility to achieve almost any ducting configuration in particularly tight spaces.
- Assembly is easy using push fit flat channel connectors and the system is held to the wall or ceiling using quick-fit support clips. The ducting can be terminated in a conventional wall grille or a choice of horizontal or soldier course airbricks, and is then simply concealed behind plasterboard.
- Some applications call for traditional galvanised sheet steel ducting. For these applications **Profile 25M** metal flat ducting can be used.
- **Profile 25M** measures 230 x 25mm and is also available in an extensive range of interconnecting components.
- With a depth of only 25mm it is ideal for installation between the floor/ceiling slab and the plasterboard finish.
- It can be fixed to the ceiling/wall by suitable fixings through the continuous flange on either side.
- All joints should be sealed with a sealing compound.
- **Profile 60** flat plastic duct system is also available for installations where a particularly low profile duct is not required, or where longer duct runs are required.
- Low profile flat plastic & metal ducting
- Particularly suitable for use with Premier DX180, DX200/400 and CF20/40 models
- 29mm plastic and 25mm metal
- Simple push fit and easily concealed

## Technical specification

- The components are to be supplied from the Xpelair Profile 29 range by Applied Energy Products Ltd. Morley Way Peterborough PE2 9JJ.
- Tel. +44 (0)1733 456789
- Model / Ref
- Premier flat ducting adaptor 90547AA
- Straight duct 2m 91106AA
- Horizontal 45 bend 91109AA
- Horizontal 90 bend 91108AA
- Vertical 45 bend 91111AA
- Vertical 90 bend 91110AA
- Round to rectangular adaptor 91113AA
- Model / Ref
- Elbow bend/plenum 91112AA
- Long airbrick adaptor 91102AA
- Universal support clip 91114AA
- Duct connector 91107AA
- **Airbricks horizontal:**
- terracotta 91103AA
- white 91126AA
- brown 91127AA
- Cotswold stone 91128AA
- Soldier course\* 91246AA
- 100mm telescopic wall tube 91247AA
- \*terracotta
- Profile 29 system components shall be used in conjunction with Premier DX200 and CF20 models set at high speed
- The system shall use a XFD kit to connect to the fan with further components appropriate for the application
- The outer dimensions shall be 234 x 29mm and have a cross sectional area of 5630mm<sup>2</sup>
- Xpelair Profile 29 shall be manufactured in self extinguishing flame retardant PVC conforming to DIN 4102 B1 and UL94 V2

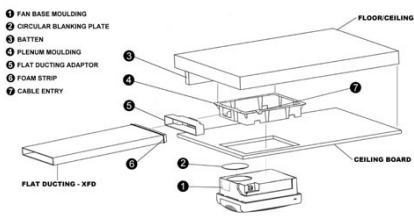
## Product variations

Name	Product Reference	Description	Dimensions (mm)	Reference number
FMC - Coupling (boxed in 6's)	FMC	Coupling (boxed in 6's)	230 x 25	89764AA
FMH45 - Horizontal 45° bend	FMH45	Horizontal 45° bend	89763AA	230 x 25
FMV90 - Vertical 90° bend	FMV90	Vertical 90° bend	230 x 25	89762AA
FMP - Plenum box	FMP	Plenum box	230 x 25	89761AA
FMTB - Transition/air brick	FMTB	Transition/air brick	230 x 25	89760AA
FMH90 - Horizontal 90° bend	FMH90	Horizontal 90° bend	230 x 25	89759AA
FMD - Flat ducting 2.4m metre length	FMD	Flat ducting 2.4m metre length	230 x 25	89758AA
XFWT - 100mm telescopic wall tube	XFWT	100mm telescopic wall tube		91247AA
XFAS - Airbrick soldier course	XFAS	Airbrick soldier course		91246AA
XFAF - Airbrick fascia cotswold stone	XFAF	Airbrick fascia cotswold stone	205 x 62	91128AA
XFAF - Airbrick fascia brown	XFAF	Airbrick fascia brown	205 x 62	91127AA
XFAF - Airbrick fascia white	XFAF	Airbrick fascia white	205 x 62	91126AA
XFAF - Airbrick fascia terracotta	XFAF	Airbrick fascia terracotta	205 x 62	91103AA
XFLAA - Long airbrick adaptor	XFLAA	Long airbrick adaptor	234 x 65	91102AA
FDA - Flat ducting adaptor kit	FDA	Flat ducting adaptor kit		90547AA
XFS - Universal support clip	XFS	Universal support clip		91114AA
XFRRA - Round to rectangular adaptor 100mm spigot	XFRRA	Round to rectangular adaptor 100mm spigot	234 x 29	91113AA
XFEP - Elbow bend/plenum 100mm spigot	XFEP	Elbow bend/plenum 100mm spigot	234 x 29	91112AA
XFV45 - Vertical 45° bend	XFV45	Vertical 45° bend	234 x 29	91111AA
XFV90 - Vertical 90° bend	XFV90	Vertical 90° bend	234 x 29	91110AA

XFH45 - Horizontal 45° bend	XFH45	Horizontal 45° bend	234 x 29	91109AA
XFH90 - Horizontal 90° bend	XFH90	Horizontal 90° bend	234 x 29	91108AA
XFC - Flat channel connector	XFC	Flat channel connector	234 x 29	91107AA
XFD - Flat channel duct 2m	XFD	Flat channel duct 1.5m	234 x 29	91106AA
XFD - Flat channel duct 1.5m	XFD	Flat channel duct 1.5m	234 x 29	91105AA
XFD - Flat channel duct 1m	XFD	Flat channel duct 1m	234 x 29	91104AA

## FDA - Flat ducting adaptor kit:

Exploded diagram of flush mounted premier DX200 installation



### Profile 29



### Profile 25M



Dimensions: All dimensions in mm