

Canopies Configurator Guide



Parry Canopies

TITAN TYPE

These canopies are used for floor standing gas equipment and combination ranges in larger establishments.

SNACK TYPE

These canopies are used mainly for electric table top equipment in small cafes and portable eateries.

GENERAL TYPE

These canopies are used for electric floor standing units and table top gas equipment in small restaurants.

CONDENSE TYPE

These canopies are used for dish washer hoods and combination hoods.

Canopy Selection Guidelines

1. Find out what is going underneath the cooker hood, light duty table top electrical equipment offer SNACK TYPE, medium duty electric equipment no deeper than 700mm offer a GENERAL TYPE, and anything Gas or deeper than 700mm offer a TITAN STYLE.
2. Work out the width of the equipment below the hood, for example 900mm wide 6 burner, and 600mm fryer = 1500mm so they can have a 1800mm canopy if it is up against one wall leaving a 250mm – 300mm overhang at the other end, or if it is not against a wall left or right it would be 2100mm with an overhang of 250mm – 300mm either side.



Built for purpose

Canopy Selection Guidelines

3. Ask if they want an internal or external fan. Internal fans come already built in whereas the external fans need holes to be cut and requires fitting onsite by others.
4. Every internal and external fan comes with a speed controller which controls the speed of the fan, this needs to be fitted by a fully qualified electrician.
5. Ask who is fitting the canopy? If it is electrical equipment obviously an electrical engineer needs to install it, but if it is Gas it needs to be fitted by a gas safe engineer as this does need to be passed on inspection.



Built for purpose

Good to Know

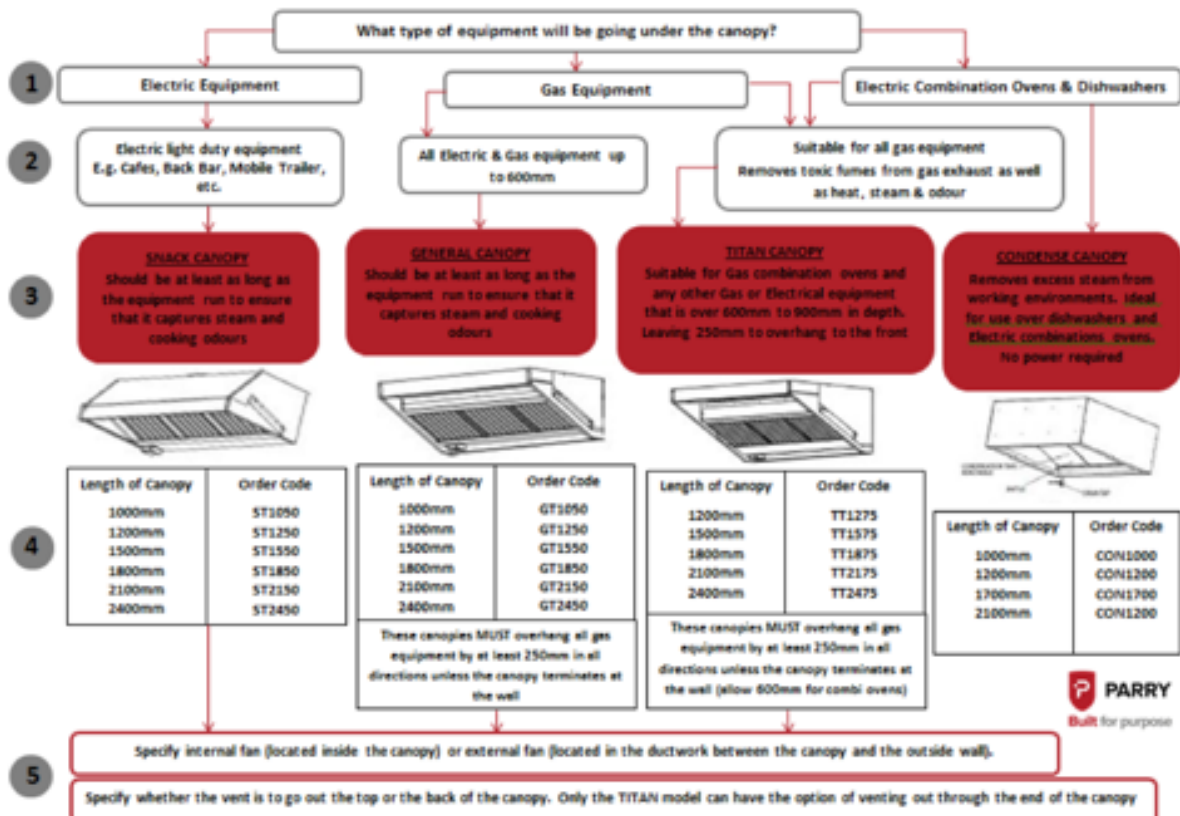
- ❏ Fan is powered by 13amp meters per second maximum
- ❏ Anything above an 1800mm canopy comes on a 2 pallet freight
- ❏ Air flow - minimum is 0.21 meters cubed per second and 0.64 meters cubed per second maximum
- ❏ Fan decibel rating is 59 DB
- ❏ All ducting for an internal fan is 400mm
- ❏ External fans have 315mm ducting on canopies up to 1200mm, 400mm ducting up to 1800mm canopies and 450mm duct up to 2400mm canopies, all circular



PARRY

Built for purpose

Canopies Flow Chart



PARRY
Built for purpose

Parry Canopy Information

The Parry canopy range consists of the Snack canopy, the General canopy, the Titan canopy and the Condense canopy. All of the canopy variants, in all sizes from 1m to 2.4m, are fitted with the same sized internal fan which is a centrifugal fan. The fan has an operating range of 200 pascals (Pa) up to a theoretical 380 Pa.

The attached fan curve graph shows the airflow volumes associated with the pressure readings. 200Pa = 2550 m³/hr or 0.71m³/s.



Built for purpose

Parry Canopy Information

When installing a canopy the addition of ducting, bends and louvres will affect the fan performance. The attached list identifies how much each item will affect the pressure (Pa) and consequently the airflow volume.

For instance if the canopy extracts through the wall it is mounted on and then a louvre, the pressure will increase by 8 Pa to 208 Pa and the airflow volume reduces by 50 m³/hr to 2500 m³/hr. Further ducting and bends will increase the pressure and reduce the airflow volume.



Built for purpose

Parry Canopy Range

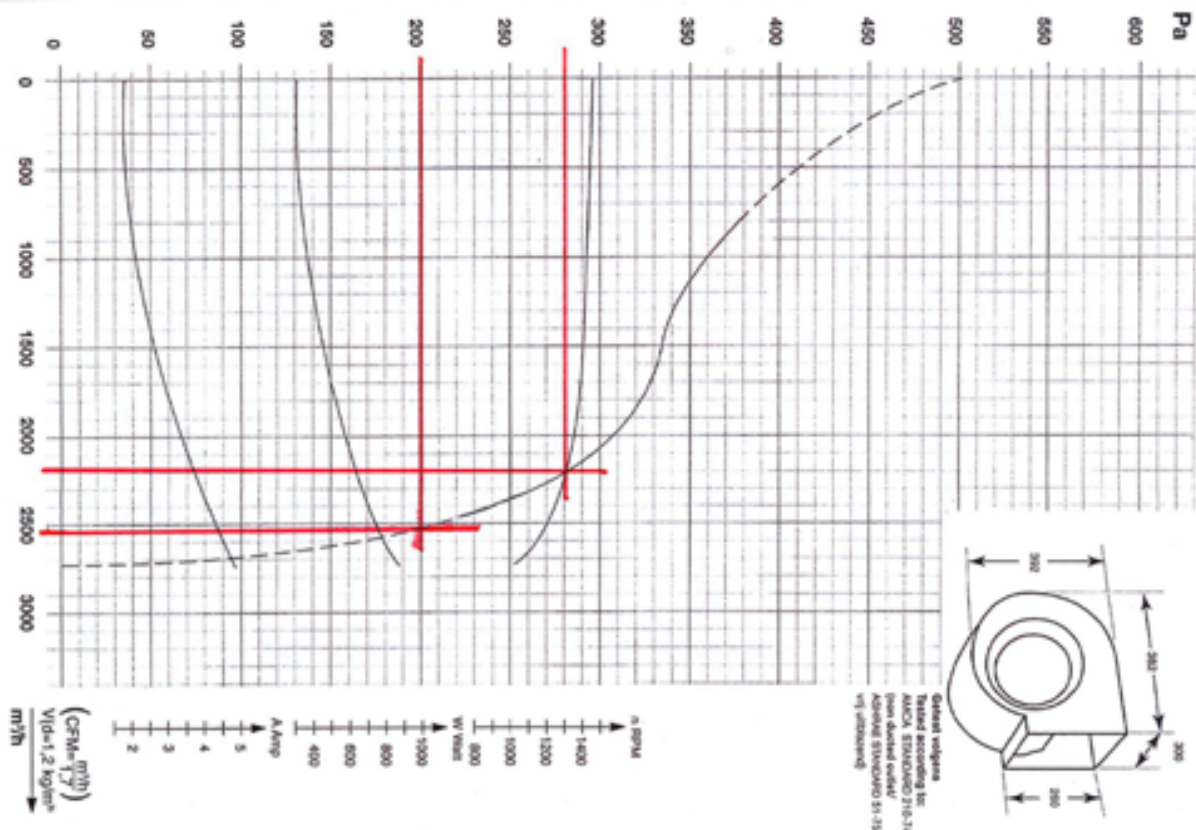
For optimum performance the minimum airflow volume (as per DW/172) for the 2m + Parry canopy is 2200 m³/h or 0.61 m³/s which equates to 280 Pa. A 1.8m canopy is 310 Pa, 1.5m is 330Pa, 1.2m is 340 Pa and 1m is 350 Pa.

In summary for any Parry canopy installation there can be any variation of ducting, bends, louvres etc. providing that the total pressure (Pa) calculation for the installation does not exceed the above figures.



PARRY

Built for purpose



DD9 FAN = 200 - 280 Pa @ 0.71 m3/s

Component	Pressure Loss	Parry Part No
-----------	---------------	---------------

400mm x 3m Rigid Duct	1 Pa per metre	DT400SDUCT
-----------------------	----------------	------------



400mm Rigid 90 degree Bend	8 Pa per bend	DT40090DEG
----------------------------	---------------	------------



400mm Rigid 45 degree Bend	4 Pa per bend	DT40045DEG
----------------------------	---------------	------------



400mm Split Ring (Pair)	N/A	DT400SRING
-------------------------	-----	------------



PARRY

Built for purpose

400mm Male Coupler	N/A	DT400MCOUP
--------------------	-----	------------



Roof Cowl (jet type)	30 Pa	DT400ROOFC
----------------------	-------	------------



External Wall Grill Louvre	8 Pa	DT400LOUVRE
----------------------------	------	-------------



400mm Flexible Duct (Aluminium)	14 Pa per metre	DT400FDUCT
---------------------------------	-----------------	------------



PARRY

Built for purpose

Metal Clamp for flexible duct

N/A

DTFDUCTCL



300mm Diameter Duct

1 Pa

DT300SDUCT



Reducer 400-300

15 Pa

DT40-30REDUCE



Carbon Filter

TBC

DTCARBONFILTER

