

NaylorAccessChamber

Premium Access System

The pioneers of the prefabricated HDPE Access Chamber were Poet Plastics in the 1980's. The HDPE access chamber was a revolution to duct chambers and the Poet chamber became specified via a large number of local authorities.

Naylor's acquisition of Poet's business and tooling some 10 years ago allowed the company to complete its comprehensive duct range.

Subsequent investment in design and tooling has allowed the company to introduce a number of extra features and benefits designed with engineers in mind.

Features and benefits

- **Manufactured in High Density Polyethylene**
- **High Chemical Resistance**
- **High Impact Resistance**
- **Rotationally moulded on cast aluminium tooling**
- **Approved by many Local Authorities and Utility Sectors**
- **Depth has increased from 250mm to 335mm (3 boxes per metre depth)**
- **Trepanned holes take all electricity and utility size duct eg. 63mm, 90mm, 110mm, 120mm, 145mm and 160mm**
- **Easy to stack and install**
- **Wide internal flange within the chamber enables the frame to fit straight onto the box, therefore direct loading is transferred evenly**
- **Very versatile and suitable for most ducting applications**



Single, Double and Triple Chambers

Installation

- Excavate the required specified location, to the depth of appropriate number of chambers required, (maximum 3 chambers), plus additional 40mm for depth of base.
- Install chamber centrally within the specified trench/location.
- Base of excavated area to be well compacted granular material or concrete slab is preferred. Drainage runs within the slab are required to allow excess water to drain freely from the constructed chamber.
- Before duct connection takes place, the trepanned holes located on each chamber will require cutting out to specified diameter. Naylor Access Chambers take from 63mm to 160mm OD duct pipes.
- Allow minimum of 150mm surrounding the chamber for solid concrete support, which should be of a semi-dry workable mixture.
- Ensure concrete fill is evenly distributed around the chamber and level with the top surface. Concrete the frame in at the appropriate height.

Chamber Sizes

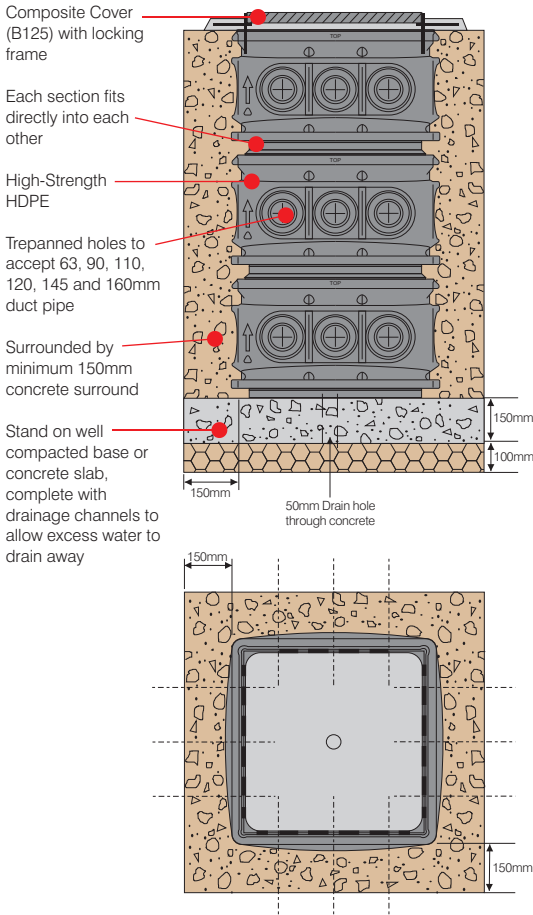
Chambers will be specified as AC / 1 / Lengths

Dimension	Item	Code	Pack Size	Colour
300 x 300 x 335	PAC6	69121	42	Black
300 x 450 x 335	PAC3	69124	42	Black
450 x 450 x 335	PAC1	69012	28	Black
450 x 600 x 335	PAC5	69123	21	Black
600 x 600 x 335	PAC12	69122	13	Black
450 x 900 x 250	PAC4	69036	18	Black

NaylorAccessChamber

Premium Access System

Access Chamber



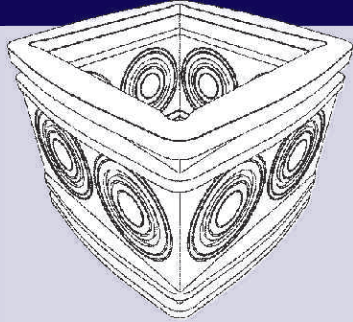
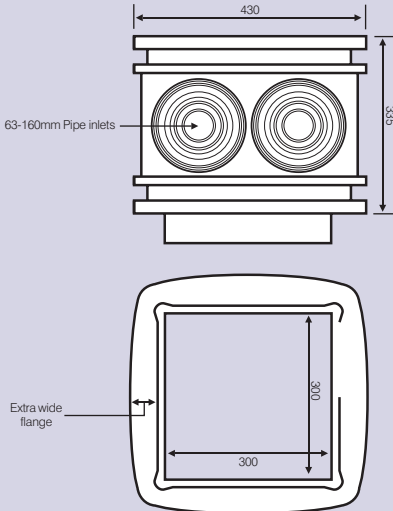
Specification

1. The chamber shall be of solid construction of single, double or triple height pre-formed sections (triple shown) and prevent distortion during back-fill process
2. The chamber will meet the Highway Regulations of minimum duct cover in both footways and road verges.
3. The chamber shall have pre-trepanned cut outs areas to accept 63mm OD - 160mm OD duct except 900 x 450 which accepts 63mm - 120mm.
4. The chamber is manufactured in rotational moulding high density polyethylene material
5. The chamber shall have a C15/ST3 concrete base and surround, 150mm surround and 150mm base bedded on a 100 mm Type 1 sub base or concrete slab with a 50mm drain hole (base to be constructed first and have a smooth floated finish)
6. For traffic signal/street lighting applications the covers are non ferrous composite material and fit closely within a galvanised steel frame. The cover and frame will meet the loading requirements of BS EN 124 Class 125. The cover is black in colour and marked Naylor Drainage and the legend "Traffic Signals" or "Street Lighting" and have integral lifting keyholes. The cover has an integral anti-skid pattern on the upper surface. The frame must also be supported on the concrete surround of the chamber on a bed of mortar

GENERAL NOTE

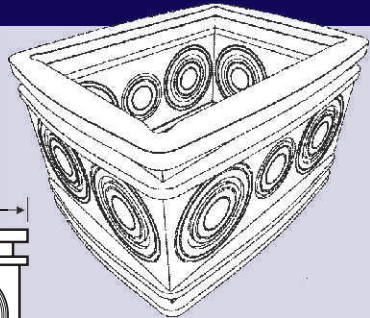
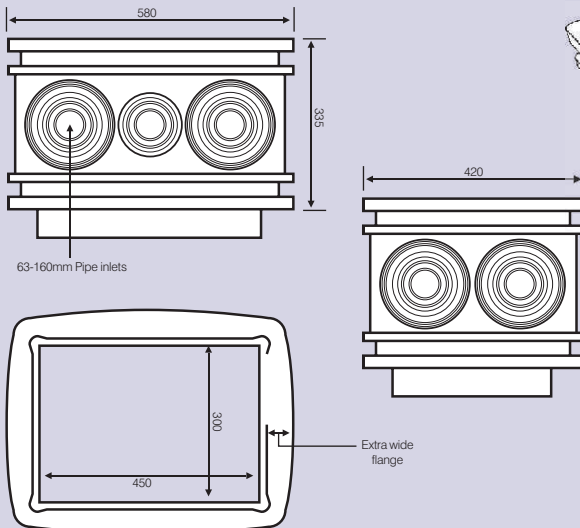
Chambers, when completed, must be internally free from any debris

Access Box - Square



Product Reference **PAC 6**
Code **69121**
Nominal dimensions (mm)
W300 L300 D335

Access Box - Rectangular

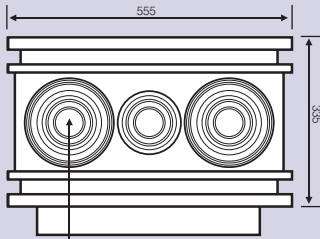


Product Reference **PAC 3**
Code **69124**
Nominal dimensions (mm)
W300 L450 D335

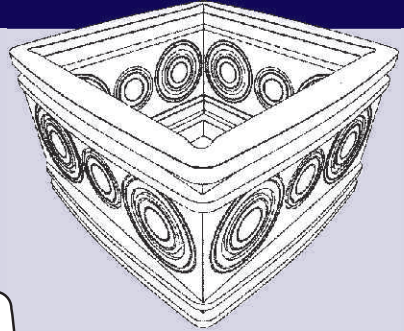
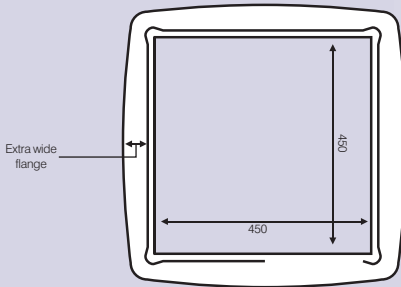
NaylorAccessChamber

Premium Access System

Access Box - Square



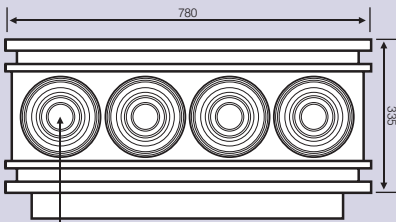
63-160mm Pipe inlets



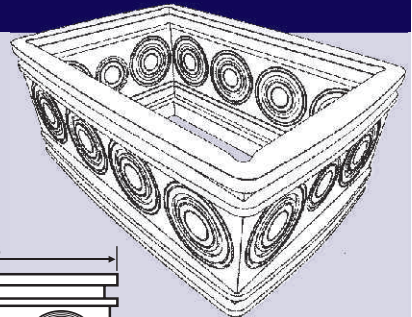
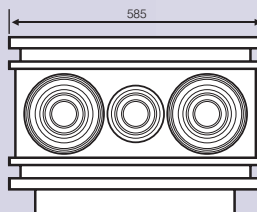
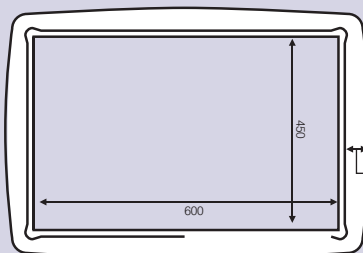
Product Reference **PAC 1**
Code **69012**

Nominal dimensions (mm)
W450 L450 D335

Access Box - Rectangular



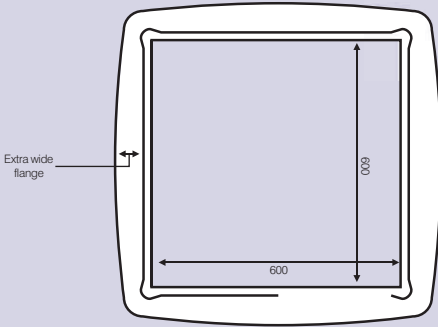
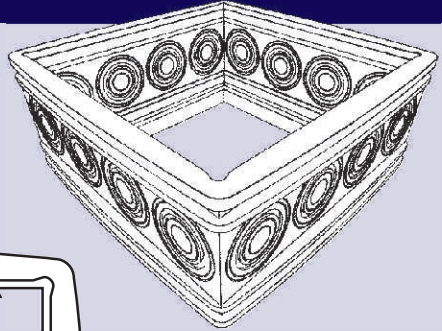
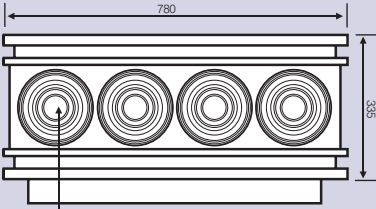
63-160mm Pipe inlets



Product Reference **PAC 5**
Code **69123**

Nominal dimensions (mm)
W450 L600 D335

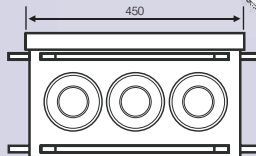
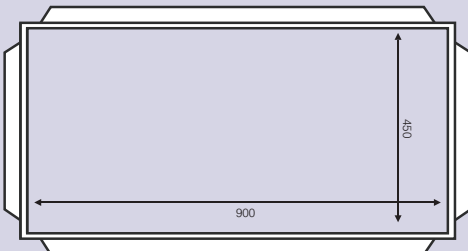
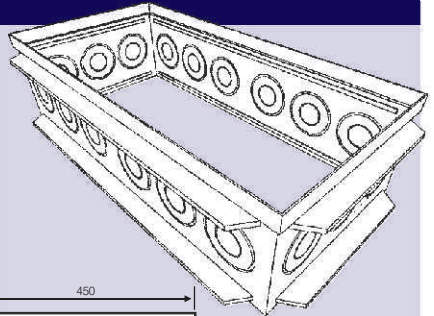
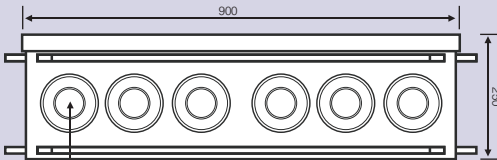
Access Box - Square



Product Reference **PAC 12**
Code **69122**

Nominal dimensions (mm)
W600 L600 D335

Access Box - Rectangular



Product Reference **PAC 4**
Code **69036**

Nominal dimensions (mm)
W450 L900 D250