

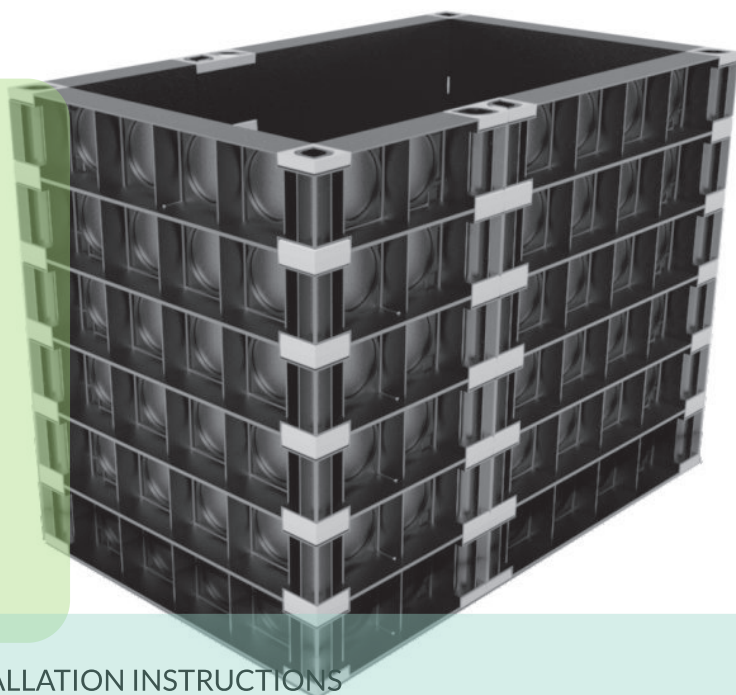


Atlas DataSheet

► *Made to ISO9001 Quality Standards*

The components of the Atlas chamber systems are manufactured from recycled polypropylene and have knock-outs for 110mm ducting. The system is available in various sizes and can withstand loadings from 12.5 tonnes (with larger chambers over 25 tonnes) The parts of the walls are available in the sizes of 300mm, 450mm, 600mm, 750mm, 900mm etc and can therefore be assembled into a great variety of chamber sizes.

The duct entry options are available with 110mm duct entry knockouts pre-moulded into the wall sections, but can also be supplied with larger pre-drilled duct entries to dispatch and meet specific site requirements.



INSTALLATION INSTRUCTIONS

- 1) Excavate a hole. Allow 200-220mm for the chamber wall thickness and additional depth for cover and frame required for the mortar bed.
- 2) Pour a concrete base in to act as a foundation. a 150mm deep base is sufficient in most cases.
- 3) Lower the chamber into the excavation, making sure that it is centred. If it is being installed onto wet concrete, ensure that the chamber sinks into this by a minimum of 20mm. If it is being installed onto set concrete, then a layer of concrete must be poured inside the chamber, to fill its base to a depth of 20mm minimum.

- 4) Once positioned and top caps put in place, the chamber must be braced by a strut(s) to prevent the backfilling process to cause side wall deflection.

NB. Strutting is only required for chamber wall lengths of 1050mm and above, and for larger lengths of 1500mm and above, 2 or 3 sets of struts may be required.

- 5) When the chamber is braced, backfilling can take place at 300mm deep sections at a time.

- 6) Frame of cover can be fixed to the chamber and after curing has taken place, the central bracing can be removed and cover can be installed in the frame. We recommend resin mortar to be used between chamber and frame on D400 loadings.

► *Tested by Lloyds British*



► *British manufacturing*

Pennine Manufacturing Ltd

Fold Mill, Bradley Lane

Little Lever, BL2 6RR

(+44) 01204 361547

jkelly@pennineindustries.com

