

Inlet Works Specifications

No two inlet works are the same– each one needs to have covers specifically designed for it. Whether the covers are to fit a newly built inlet works or are to be retrofitted to an existing structure, Corporate Engineering can develop a design concept to suit.



For new works, we are happy to offer advice on the inlet work's design to enable efficient covering to minimize odor escape. By following some simple guidelines, the efficiency of the covers can be increased dramatically while keeping costs to a minimum.

Even the most complex inlet works can be retro-fitted with odour containment covers. Corporate Engineering can visit the site and lead you through the preparation work that is required to allow GRP covers to be installed.

Where access for operations personnel is required, cover panels can be designed to support imposed loads of up to 5kN/m². Slip deterrent surfaces and handrailing are normally supplied in these areas.

Corporate Engineering can provide examples of covers to:

- Inlet wet wells
- Screw pumping stations
- Inlet screens
- Distribution, by-pass and flume channels
- Grit removal lanes
- Fat Oil Grease and Grit (FOGG) lanes
- Distribution Chambers

Sealant: Closed cell neoprene foam strips

Resin and gel coat: Selected chemically resistant grades to BS3532:1990**

Glass reinforcement: Chopped strand mat and woven glass to BS3496:1989 & BS3749:1991

Manufacture: Manufactured in temperature-controlled conditions.

Where appropriate they conform to the requirements of BS4549-1:1997

Cover design has been verified using standard structural calculations and proved using FEA.

Generic calculations are provided, project specific calculations are available at an extra cost.

General Arrangement drawings are provided in AutoCAD 2D format. 3D versions also available.

Operation and maintenance manual provided for all covers.

Cover Accessories

- Access Manways – Hinged and lockable c/w removable stainless-steel safety grilles
- Mixer, pump and aerator hatches
- Flanged upstands for odour extraction or instrument mounts
- Fresh air inlets – fitted with bird or insect mesh
- Flat areas c/w slip deterrent surface and GMS or GRP handrailing

