

Fibreglass Manholes

Built under ISO9001:2008





Fibreglass Manholes

Aquatec's Fibreglass Reinforced Plastic (FRP) Manholes are lightweight, economical and 100% sealed. Delivered to site as a complete unit with a simple installation process, Aquatec's Fibreglass Manholes are engineered to withstand internal and external loadings across all ground conditions, providing a 100 year design life.

Service Capabilities

Aquatec's end-to-end service model incorporates consultation, custom design, manufacture, delivery, commissioning, training and life cycle management.

Our service model streamlines the process and reduces the costs associated with managing multiple suppliers to deliver a seamless and superior level of quality control for your project.



Design & Drawing Services



Guaranteed Seal Integrity



Project Management



Qualified Mechanical Fitters



Procurement Officers



Quality Assurance Audits



Craning & Excavation Briefs



Commissioning & Compliance Checks



Backfill /Ballast Computations



Accredited Operation & Maintenance Training



On-site Installation Training



After Sales Service & Warranty



On-site Delivery Supervision

Product Design

Aquatec's product designs have achieved benchmark status with State Governments, Water Authorities and Local Councils.

Design & Drawing Services

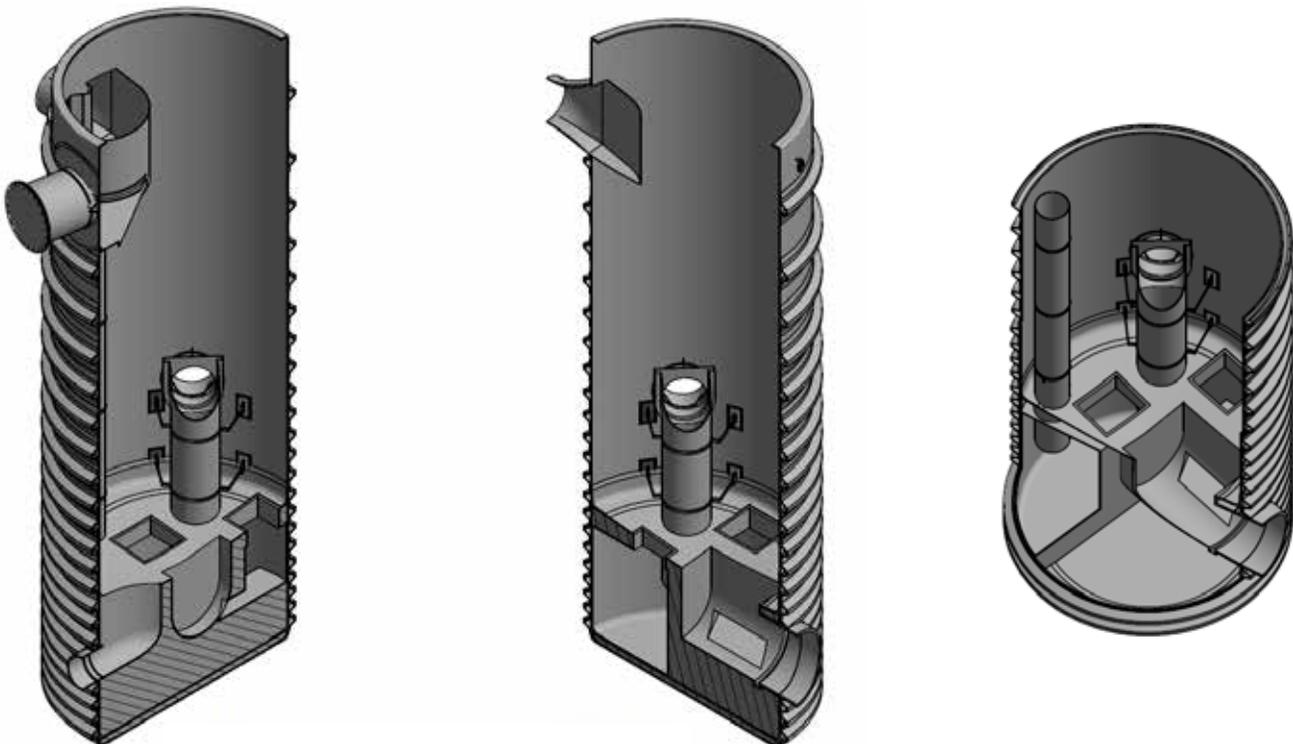
Aquatec's Design & Drawing Services offer a full set of drawings inclusive of chamber dimensions, inlet and outlet details and layout solutions. Our Technical Consultants work closely with our clients to establish a detailed understanding of site conditions.

Services include:

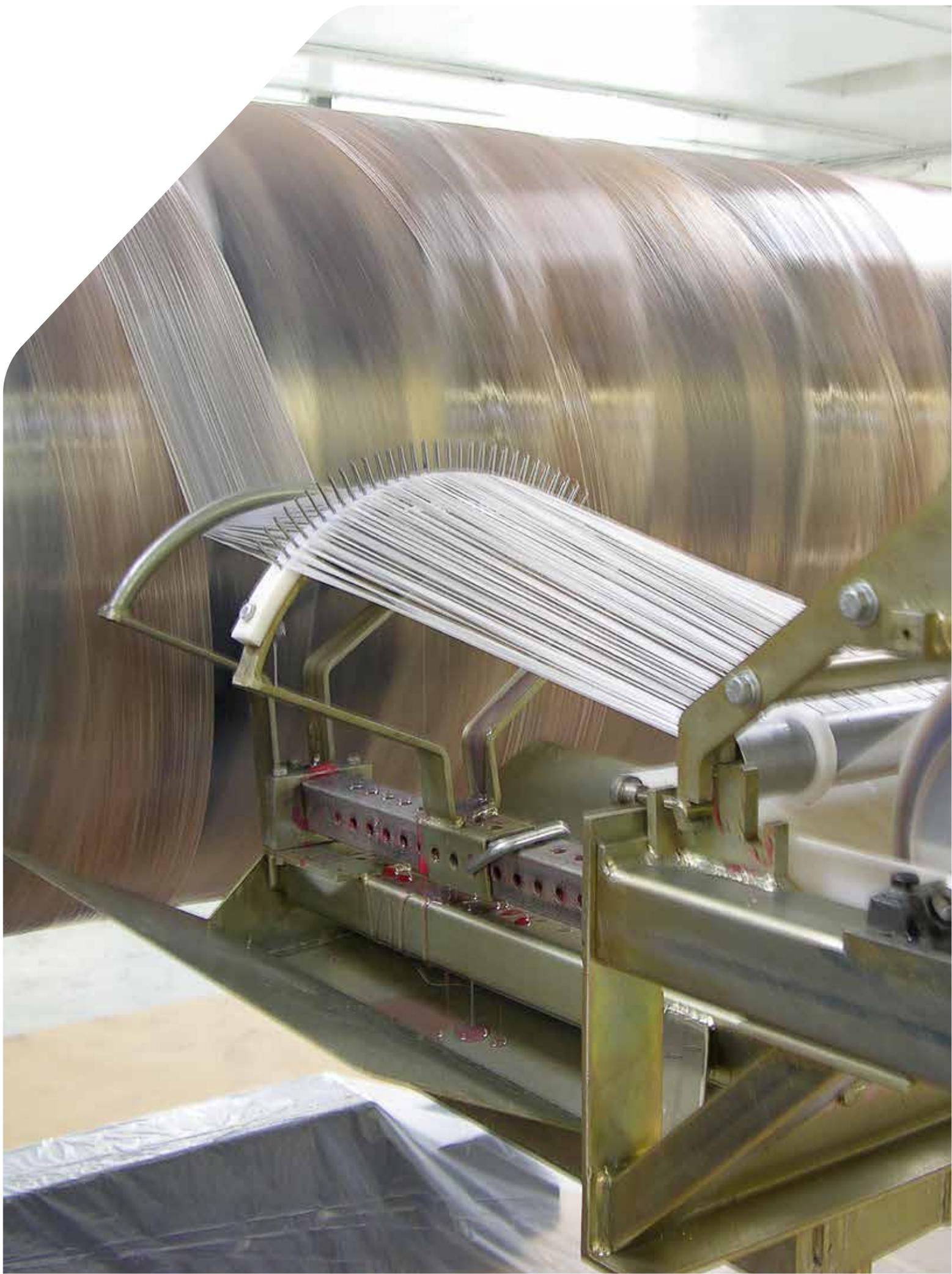
- Preliminary Design
- 3D Modelling
- Backfill Drawings
- As Constructed Drawings

Custom Engineered Solutions

Proven in industrial, commercial and residential applications, Aquatec's one piece FRP manholes are designed and manufactured to suit each individual project. Aquatec's flexible and customised approach to the design and manufacture of these assets ensures that site-specific conditions and requirements are met.







Manufacturing & Product Integrity

For the past 30 years, Aquatec's commitment to product integrity has remained central to our daily operations.

Fibreglass Manholes form an integral part of Australia's infrastructure and perform a vital service for the community.

Manufacturing Process

Aquatec's FRP Manholes are manufactured in a controlled factory environment under strict ISO 9001:2008 standards, and in accordance with applicable Australian and industry standards, including:

- AS2634
- BS4994
- EN13121
- ASME RPT-1

Quality Assurance

Our quality management system aims to bench mark our products and services and our commitment to product integrity remains central to our daily operations. Unlike concrete manholes, our FRP product is versatile, capable of withstanding high temperatures, loads & pressures as well as boasting a strong chemical resistance.



Built to Australian /
British standards

Certified by a Registered
Composite Engineer

Construction

Product Range

Benching is provided in the base of our manholes where through flow channels are created to suit required pipe diameters. All of our benching areas have a non-slip finish for onsite safety.

A virtually limitless range of sewer offset connections are achievable to suit client or site requirements.

In order to minimise downtime, the finished products are delivered to site as one complete unit. Depending on transport restrictions, single piece manhole depths range from 1m to 22m, and our standard diameters include 1000mm, 1200mm, 1500mm, 1800mm, 2000mm, 2200mm, 2500mm, 3000mm, 3300mm, 3500mm, 4000mm and 4500mm.

Note: Should there be a requirement for a different size manhole, Aquatec can manufacture this to suit individual project needs.

Fibreglass

FRP is renowned for its incredible durability and versatility, being used in highly corrosive environments since the early 1940's.

Fibreglass Manholes offer:

- Internal and external corrosion resistance
- Lightweight product - reducing delivery and installation costs
- Single piece manufacture - guaranteed seal
- High durability & longevity

Moulded Inlet & Outlet Stubs

Aquatec's Inlet and Outlet stubs eliminate on-site penetration of the chamber and provides an allowance for ground movement. Our guaranteed seal eliminates environmental leaks, spills and groundwater ingress.







Custom Chases

Aquatec's project team design and construct fully customised chase solutions for each FRP manhole in order to suit the orientation and size of flow channels, as well as any unique access requirements.

Ladders, landings and handrails can also be incorporated into product designs in accordance with WHS standards.



Transportation

Aquatec's FRP manholes are transported to site as one piece for immediate installation, supported by WHS compliant installation manuals and on-site delivery supervision.





Civil Installation

Aquatec's site technicians will assist your team to remove each manhole from transport and safely install them into the excavation, ensuring that the structure is completed to exact project specification.

The Eco Choice

Every FRP manhole is designed and sized to handle inflows based on WSAA, Water Authority or Council requirements in emergency situations. Aquatec's ability to deliver our product to site as a one-piece unit reduces excavation periods and secures minimal disruption to flora and fauna.

Guaranteed Seal Integrity

Inlet, overflow, vent and conduit penetrations are pre-glassed into the manhole for easy connection on site. This results in a completely sealed structure which eliminates the risk of ingress or egress.





After Sales Service

Service Warranty

Aquatec are committed to providing full after sales service, support and long term warranty on all components.

Technical & Product Support

Aquatec's Technical and Product Support Service responds to any product or technical enquiry, including recommendations on safe use of our products.

Water Innovation Partners

T 1300 088 555
aquatecenviro.com