

## HYGIENIC STAINLESS STEEL FILTERS

We manufacture a comprehensive range of 316L stainless steel filters that has a metal to metal seal, employs no 'O' rings and is available with interchangeable filter elements ranging from 25 micron up to 6000 micron.

### Pure-Screen wedge wire filter

This versatile range of filters is ideally suited for applications where the highest quality has been specified and where product consistency is essential.

### Econ-Screen perforated sheet filter

An economical filter designed for a variety of applications such as a 'last chance' filter before a pump or in-line instrument, as well as a strainer for coarse filtration.



**Our filters can be fabricated to customer specification and include a 6" body design, jacketed, duplex or multiplex options.**

## HYGIENIC STAINLESS STEEL FITTINGS

By offering a rapid response to your fabrication enquiries and stocking a comprehensive range of process equipment, we can meet your requirements in terms of delivery, quality and consistency.

- Tube and Pipe Fittings
- Filters
- Tank Manways
- Valves
- Sightglasses
- Sprayballs
- Flexible Hoses

### Axium Process

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## Hygienic Stainless Steel Systems, Fabrications & Components

We specialise in design and customised fabrication providing engineering solutions that meet the needs of our customers

## MEMBRANE FILTRATION SYSTEMS

- Microfiltration
- Ultrafiltration
- Nanofiltration
- Reverse Osmosis

Operating primarily in the pharmaceutical, food and beverage industries, our filtration capabilities range from the design and build of mobile membrane pilot plants through to fully automatic systems of more than 2000m<sup>2</sup> membrane area.



With over 150 man years of membrane filtration experience, our team of highly skilled engineers have the expertise to design, build and commission a system that will meet your exact requirements.



- Project design and management capabilities
- Product and process development
- Drawings produced to customer specification using advanced 3D design software
- Technical and training support



**The ability to design, test, fabricate and commission customised and unique systems in house**

## HYGIENIC PROCESS PLANT & COMPONENT CUSTOMISATION

With the ability to design in accordance with ASME BPE principles, our emphasis is on best practice hygienic engineering.

Capabilities include specialist high end pharmaceutical and fully integrated process plant.

- ASME IX/BS EN 287 coded welders
- Manual and orbital welding
- In-house machining, fabrication and polishing
- Certificated surface finishes to 0.10µm Ra
- Only stainless steel fabricated on site



### Typical fabrications include:

- Frames
- CIP systems
- Mirror polished hoppers
- Pressure vessels
- Funnels
- Flow plates
- Manifolds
- Filters and sightglasses
- Pharmaceutical ducting systems
- Adaptors, Y pieces
- Special bends
- Integrated pipework
- Jacketed pipework



## QUALITY ASSURANCE

We are a BS EN ISO 9001:2000 registered company. As part of the inspection, testing and certification process, we can offer:

- Surface finishes to 0.10µm Ra
- Boroscope direct view and video
- Dye penetrant testing
- X-ray
- Pressure testing to 80 bar
- Nitric acid or citric acid passivation
- Ferroxy testing
- Ultrasonic cleaning and vacuum packing

## TRACEABILITY

Traceability is paramount to companies operating in the pharmaceutical and biotech industries. We can provide:

- Full materials certification
- Weld maps, logs, welder qualifications and weld procedures
- Orbital weld print outs
- Mechanical and electrochemical marking
- Full Ra testing and certification with printouts
- Pickling, passivation and ferroxy certification