



HIGHLY CORROSION RESISTANT FILTER HOUSINGS FOR MULTI-PURPOSE API (ACTIVE PHARMACEUTICAL INGREDIENTS) PLANT



CLIENT

International Pharmaceutical Company

BUILDING LOCATION

Europe

SECTOR

Pharmaceutical Product Manufacturing

ABOUT THE PROJECT

The Client was building a new major Multi-Purpose Plant for the production of Active Pharmaceutical Ingredients. The Synthesis Plant is designed to manufacture chemical API (Active Pharmaceutical Ingredients) for solid oral dosage forms and parenteral products for the markets of European Union, Eastern Europe, United States of America, Russia, Japan and other countries. Being a Multi-Purpose Plant the filtration equipment would be subjected to a wide range of process conditions including a variety of operational temperatures and a diverse mixture of chemicals and solvents.

PROJECT CHALLENGES

The filters had to comply with a range of different standards.

These included:

- Compliance with relevant GMP regulations
- Material compatibility with aggressive chemicals
- Due to the use of solvents meeting relevant ATEX classification to enable operation in potentially explosive atmospheres.

In addition to the need to adhere to these strict client specific design specifications and standards there was a very tight project lead time for design, manufacture and delivery to comply with.

AMAZON FILTERS' SOLUTION

Amazon Filters had a unique solution to meet these multiple and demanding requirements;

Specially engineered housings from the **73 SERIES** hygienic range

Adapted with an Electrically Conductive PFA coating, which offers the combination of:

- Inert surface providing high resistance to chemical corrosion
- Electrical conductivity to meet relevant ATEX requirements.

