



## Products - Housing Overview



The development and production of filter housings for use with cartridge and bag filters has been at the heart of Amazon Filters for over 18 years. Our experiences and engineering design techniques have made us one of the leading manufacturers in Europe, offering the widest selection of vessels available today.

Often overlooked in system design, the filter housings themselves can play a very important part in the overall efficiency of many processes, which is why Amazon offer such a large choice of design styles, materials and connection types - to make sure we have the right choice available for you, not a compromise.

Our design team utilises the latest 3D modelling techniques to engineer the right solution for your application. From simple modification of a standard housing by a change in connection style right through to full documented and certified special designs to ASME VIII and PD5500, Amazon have the experience needed to ensure we get it right. All vessels are built and supplied in accordance to the latest European Pressure Equipment Directive, 97/23/EC. Self certification to Module H3 with the BSI as our inspecting authority.

Operating under a fully accredited [ISO 9001:2000](#) quality system your company can rely on Amazon Filters proven and documented system to support your organisation in these safety and performance critical areas.

### Standard Designs

Industrial cartridge filters used in the chemical, water treatment and other non sanitary applications are housed in the **50 and 60 Series** - a lightweight range of cartridge filter housings using stainless steel as the standard material of construction.

The **50 Series** are a versatile range of top quality single cartridge housings to suit liquids and gases with various pressure ratings, available with Vee clamp or screwed closures.

The **60 Series** are our range of multiple cartridge housings in an array of design styles suitable for the most basic water filtration right up to the more demanding filtration requirements associated with pharmaceutical, beverage and coating applications.

Standard designs offer up to 30 x 40" stacks and flow capacities in excess of 200m<sup>3</sup>/Hr (much larger housings are available in our special range)

Sanitary cartridge filters used in the pharmaceutical, micro electronics and fine chemical industries are housed in the **70 Series** - standard 'T' style housings, most models have the classical domed cover for easy access to the plug-in style of cartridge. Polished stainless steel with a crevice free finish comes as standard and can be further enhanced with electropolishing both inside and outside. Vent filters are also offered as part of this range.

Standard designs offer up to 12 x 40" stacks and flow capacities in excess of 100m<sup>3</sup>/Hr.

Bag filter housings used in general chemical and processing duties are covered by the **80 Series** - a versatile range of housings starting with the small **MINI** series using the 4¼" ring bags right through to the industry standard 7" ring bags in multi pot housings.

Starting with the simple free standing side entry models with Vee clamp closures for economy through to the top entry bolted cover design for maximum security and robustness, the various different designs available will allow you to select exactly the right model for your application - all with electropolished finish as standard and Amazons famous attention to detail and product quality!

## Special Designs



The major strength behind Amazon Filters success as a leading housing manufacturer has been our ability to engineer the right housing to suit the customer's requirements - we welcome the challenge!

Most models can be offered with additions such as heating jackets, adjustable legs, and all common connection styles (flanged, screwed, dairy) set in the orientation to suit the process.

Alloys such as Zeron 100, Hastelloy C22, Duplex and Super Duplex are commonly used across the range, and allow the use of the housings in even the most aggressive of process environments.

Larger housings are available in various design styles for higher flow rates (including 30, 40, 60, 90, 110 and 220 stack housings) and Amazon have great experience in design code requirements for these more demanding duties.

A specifically designed range of Duplex (S31803) and Super Duplex (S32760/50) vessels for areas where corrosion resistance is paramount (seawater) are available as are coated vessels using 3M Scotchkote and Glass Flake Vinyl Ester. All have been used routinely with great success for both on shore and off shore processes. Other more exotic materials and coatings are available on request. Amazon also have experience of designing filtration systems, where we also source the pumps, pipework, valves and all the peripherals to enable us to supply a fully operational filtration package.

