



## FILTRATION SOLUTIONS HIGH FLOW SYSTEMS



# High Flow Filtration Systems

The Amazon High Flow Filtration System consists of a combination of large bore, high flow **SupaPleat FFC** and **HFC** cartridges. These filters are particularly suited to large scale high flow applications. The use of high surface area, large bore cartridges instead of multiple standard diameter cartridges can greatly reduce the time required for filter change-out, the combination of cartridge and housings offered present a filtration system that provides maximum efficiency, ease of use, high flow rates and long on stream life.

The **27 Series** and **66 Series** housings are designed so that flow through the cartridge is optimised in the 'out to in' mode using the FFC cartridges, whilst the 'in to out' direction applies to the HFC type. The housings can be supplied with a variety of different inlet and outlet fittings.

The **27 Series GRP** single cartridge housing (for FFC only) is available in a range of lengths and is particularly suited to brackish or sea water applications.

The **66 Series** housings are available in a selection of sizes and with a choice of connections and closure types, therefore the optimum housing can be provided for each application. They are available for use with either **1, 3, 4, 5 or 7 SupaPleat FFC** and **HFC** cartridges as standard.

High flow **SupaPleat FFC** and **HFC** filters are available with either polypropylene or glass microfibre media and with removal ratings of between 0.5 – 90µm.

All polypropylene cartridges are available with the option of using the **SupaPleat XP** multi-layered high capacity media, this offers increased dirt capacity and an extended life.

Amazon Filters' High Flow System are suitable for a wide range of applications including water treatment, the production of beverages, chemicals and pharmaceuticals.



## Typical Applications

- Food and Beverage
- Water Treatment
- Fine Chemicals
- Power Generation
- Automotive
- Oil & Gas

Food and Beverage	Bottled water, Beers, Wines, Polishing lines, General clarification
Water Treatment	Pre reverse osmosis, UV protection, Resin and carbon trap, Desalination plants
Fine Chemicals	Polymers, Acids, Bases, Solvents
Power Generation	Water treatment (Boiler feed sweetening), Return condensate lines
Automotive	Wash solutions, Cooling fluid, Blanking wash oils, Electrophoretic paints
Oil & Gas	Water injection systems, Amine streams, Glycols

# High Flow End Cap



Code E – FFC Double O ring with closed lifting end lifting handle (39" length only) (740 alternative)



Code F – FFC Single O ring with closed end lifting handle (40 & 60" only) (HiFlow alternative)



Code G – FFC Single O ring on extended spigot with closed end lifting handle



Code P – FFC Single O ring with closed end lifting handle (66 Series multi housing only) (Amazon code)



Code P – FFC Single O ring with closed end lifting handle (66 Series multi housing only) (Amazon code)



Code C – HFC Single O ring with closed end (HFC only). (HFU alternative)



## Single Cartridge Housings

The **27 Series GRP** housing consists of a glass reinforced polymeric body with Victaulic connections. The robust construction allows for a maximum operating pressure of 16 bar and maximum operating temperature of 45° C. The external surface is painted and coated to provide protection from UV light damage (FFC cartridges only).

The **66 Series** high quality electro-polished 316L stainless steel housing is easy to use and is suited to many filtration processes across a range of industries. It is available with 20", 40" or 60" cartridges. Housings can be installed in either the vertical or horizontal position and can be supplied with fixed or adjustable legs.

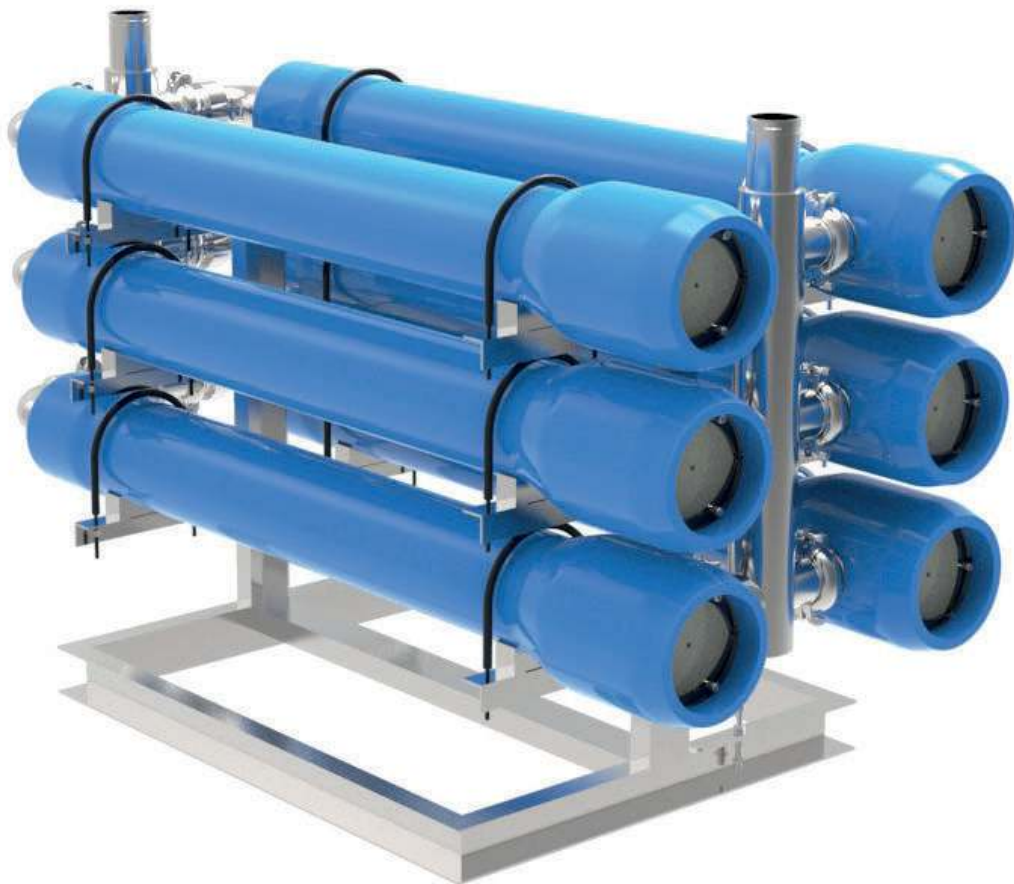
## Multi Cartridge Housings

These high quality 316L stainless steel bead blasted finished housings are available to accommodate 3, 4, 5 and 7 filter cartridges in either 40" or 60" lengths. Fitted with legs for horizontal or vertical installation, they are also available with a choice of connection types and sizes.



## Key Features & Benefits

- Borosilicate Glass Microfibre or Polypropylene media options
- Optional **XP** media for extended life and increased dirt capacity
- All vessels allow for easy and quick filter change-out
- Reduced footprint size reduces the housing costs
- All available for 20", 40" or 60" length cartridges
- Modular construction optional, with horizontal or vertical operation
- Manufactured from 316L stainless steel or GRP
- Each housing is etched with a unique serial number for full traceability
- Available with a range of connection types and sizes
- PED Compliant - CE Marked
- Full housing customisation service available including skids and hygienic options
- UK Manufactured



### Example

Showing 6 off 27 Series GRP vessels set on a skid assembly for High Flow application of up to 300m<sup>3</sup>/Hr.

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