**GIENIC STAINLESS STEEL** 

### **Memtech**



Memtech's 316L stainless steel filters are designed to remove suspended solids from fluids with particular application to the Food, Dairy, Brewing, Beverage, Pharmaceutical and Chemical industries. Their robust wedge wire elements are fully interchangeable and are available in standard micron elements from 10 to 1000. The units can be backwashed for cleaning which gives high security against breakthrough.

### **Features**

- > 3" (76.2mm) 316L stainless steel body
- > Sanitary design finish
- > No O-ring seal
- > High flow rates attainable
- > Can be cleaned and sterilized in place (CIP and SIP)
- > Ease of maintenance, no tools required

### Options

- > In-line or 90° inlet and outlet ports
- > Inlet/outlet pressure gauges
- > Specific micron ratings such as 150 and 3000
- > Free-standing structures
- > Duplex, triplex and jacket options to order.



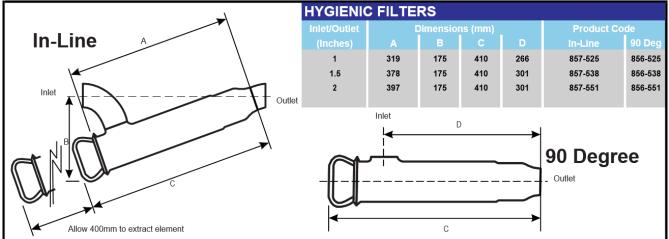


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MICRON RATINGS			FILTER FREE AREA		
		Element			
Micron	Size	Code	Micron	cm²	in²
10	0.010mm equivalent to 1250 mesh	854-5XX-010	10	3.77	0.58
25	0.025mm equivalent to 400 mesh	854-5XX-025	25	9.42	1.46
50	0.05mm equivalent to 300 mesh	854-5XX-050	50	18.85	2.92
100	0.10mm equivalent to 150 mesh	854-5XX-100	100	37.70	5.84
250	0.25mm equivalent to 60 mesh	854-5XX-250	250	75.40	11.69
500	0.5mm equivalent to 30 mesh	854-5XX-500	500	143.27	22.21
1000	1.0mm equivalent to 15 mesh	854-5XX-1000	1000	188.52	29.22

### End Connections

1", 1 1/2" and 2" Plain Ended or any combination of RJT, IDF, Clamp, Flange, SMS, BSP, DIN

#### Flow Rates

Full technical datasheets are available for each filter type, connection size and micron rating.

- Flow rate example based on flow of clean water at 25 C through a 2" connection size Hygienic Filter
  - A 10 micron rated filter gives a flow of 10m<sup>3</sup>/hr with a differential pressure of 0.45 bar
  - A250 micron rated filter gives a flow of 12m³/hr with a differential pressure of 0.1 bar

### Materials of Construction

Filter Housing: 316L stainless steel End Connections: 316 or 316L depending on type Filter Element: 316L stainless steel Standard EPDM - Viton, PTFE or Body Seal: white Silicone available.

#### **Operating Conditions**

Pressures:

- Temperatures:
  - -25°C to 150°C depending on seal materials

Liquid to 10 bar

Glass Bead Blasted - Mirror Finished - Electropolished - 180 grit







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