



## Stainless Steel Multi-Cartridge Filter Housings

Tiger® Stainless Steel Multi-Cartridge Filter Housings provide a high-quality solution for high-volume filtering at reduced pricing. Ideal for use in membrane desalination systems, pre-filtration, high purity water, post-filtration, food & beverage, industrial facilities and similar applications.

### Industry Applications

- Reverse Osmosis Pretreatment
- Chemical & Petrochemical
- Dairy
- Drinking Water
- Food and Beverage
- Liquid Desalination
- Electronics
- Fuel Material Extraction
- Pharmaceuticals & Biotechnology
- Pulp & Paper
- Wastewater Reuse/Recycled Water
- Power Generation
- Industrial Water Treatment



### Features and Specifications

- Band V-Clamp Top Closure for Quick and Easy Cartridge Replacement
- Side-In and Side-Out Connections for Easy Installation and Service
- Built-In Drain and Vent Ports
- Side Ports for Inlet/Outlet Pressure Gauges
- Available with Threaded or Flanged Fittings for Easy Installation
- Housings are Compatible with Industry-Standard Size Filter Cartridges: 2.5" OD in 20", 30", or 40" Lengths
- Materials of Construction:
  - Available in 316L Stainless Steel with Electropolish Finish or in 304 Stainless Steel with Poly Coat Finish.
- Operating Limits:
  - Maximum Operating Pressure: 150 psi (10 bar)
  - Maximum Operating Temperature: 250°F (120°C)





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## Design and ordering information

Tiger Stainless Steel Filter Housings are designed for use with industry standard 2.5"OD x 10", 20", 30" and 40" Length filter cartridges.

### Clamp Stainless Filter Housing with Mechanical Mirror Polishing

Model 1	Flow rate*		Houses Cartridges*		Inlet/Outlet	Vent	Drain
	gpm	m <sup>3</sup> /hr	Qty	Length			
<b>C3L20</b>	13	3.0	3	20"	1"	1/4"	1/2"
<b>C3L30</b>	20	4.5	3	30"	1"	1/4"	1/2"
<b>C3L40</b>	27	6.0	3	40"	1"	1/4"	1/2"
<b>C5L10</b>	11	2.5	5	10"	2"	1/4"	1/2"
<b>C5L20</b>	22	5.0	5	20"	2"	1/4"	1/2"
<b>C5L30</b>	33	7.5	5	30"	2"	1/4"	1/2"
<b>C5L40</b>	44	10.0	5	40"	2"	1/4"	1/2"
<b>C7L20</b>	31	7.0	7	20"	2"	1/4"	1/2"
<b>C7L30</b>	47	10.5	7	30"	2"	1/4"	1/2"
<b>C7L40</b>	62	14.0	7	40"	2"	1/4"	1/2"



### Eye-bolt Stainless Filter Housing with Mechanical Mirror Polishing

Model 2	Flow rate*		Houses Cartridges*		Inlet/Outlet	Vent	Drain
	gpm	m <sup>3</sup> /hr	Qty	Length			
<b>C3L20</b>	13	3.0	3	20"	1"	1/4"	1/2"
<b>C3L30</b>	20	4.5	3	30"	1"	1/4"	1/2"
<b>C3L40</b>	27	6.0	3	40"	1"	1/4"	1/2"
<b>C5L10</b>	11	2.5	5	10"	2"	1/4"	1/2"
<b>C5L20</b>	22	5.0	5	20"	2"	1/4"	1/2"
<b>C5L30</b>	33	7.5	5	30"	2"	1/4"	1/2"
<b>C5L40</b>	44	10.0	5	40"	2"	1/4"	1/2"
<b>C7L20</b>	31	7.0	7	20"	2"	1/4"	1/2"
<b>C7L30</b>	47	10.5	7	30"	2"	1/4"	1/2"
<b>C7L40</b>	62	14.0	7	40"	2"	1/4"	1/2"

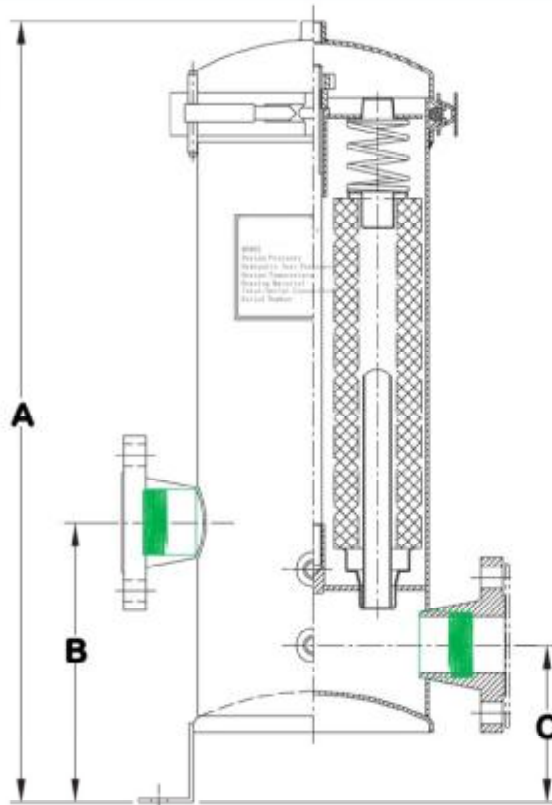


\*Flow rates shown are based on 2.5 gpm/10" Filter length, 25-micron string wound filter cartridge, and clean water (viscosity  $\mu = 1$ ) at 2psid. Flow rates are for guide lines only. Actual flow rates will vary based on fluid, viscosity, cartridge type, micron ratings and other factors.

† Housing will accept standard 2.5" OD Filter cartridges in the following lengths: 10", 20", 30" (29 1/4" or 30"), 40" (39" or 40")

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## Installation information



Model 2	Houses Cartridges*		A		B		C	
	Qty	Length	In	mm	In	mm	In	mm
<b>C3L20</b>	3	20"	28.5	725	9.4	240	3.9	100
<b>C3L30</b>	3	30"	38.4	975	9.4	240	3.9	100
<b>C3L40</b>	3	40"	48.2	1225	9.4	240	3.9	100
<b>C5L10</b>	5	10"	18.7	475	9.4	240	3.9	100
<b>C5L20</b>	5	20"	28.5	725	9.4	240	3.9	100
<b>C5L30</b>	5	30"	38.4	975	9.4	240	3.9	100
<b>C5L40</b>	5	40"	48.2	1225	9.4	240	3.9	100
<b>C7L20</b>	7	20"	30.1	765	13.8	350	4.9	125
<b>C7L30</b>	7	30"	39.9	1015	13.8	350	4.9	125
<b>C7L40</b>	7	40"	49.8	1265	13.8	350	4.9	125

Dimensions are approximate for reference only.