



## EFCS HOUSING SERIES



### THE EDEN DIFFERENCE

Eden Equipment Company, manufacturer of patented and highly engineered filtration systems, is committed to meeting the global demand for cost effective filtration solutions.

With a focus on durability and reliability, our products minimize downtime through an easy to maintain design. Replacement costs are reduced by outlasting most competitors.

Our housings are 3 to 5 times stronger than comparable steel vessels at 50% of the weight and are compatible with most filter cartridges. The life of our housings, even in highly corrosive environments, has exceeded 20 years.

### EFCS HOUSING DESCRIPTION

The Eden Excel patented line of vessels and filtration systems provide exceptional chemical resistance and outstanding tensile strength.

- EFCS housings are constructed from a fiber-glass reinforced plastic (FRP) barrel manufactured with Dow Derakane 411, a flexible and fatigue-resistant vinyl ester resin
- Seamless construction adds strength and longevity
- Engineered to minimize downtime; easy to clean and replace parts
- Internal Components are constructed of PVC. CPVC also available
- Externals are constructed of anodized aluminum & 303 stainless steel with other materials optional
- Buna O-rings are standard

40EFCS4-3C150

### FEATURES

- Designed to ASME Code, Section X standards
- All wetted materials meet the FDA CFR Title 21 requirements
- Pressure Rating - Maximum use pressure rated 150 PSI at 150° F
- Hydrostatically pressure tested to 300 PSI, design pressure of 900 PSI
- Corrosion resistant - compatible with fluids in PH range of 2-13
- Standard 3" NPT inlet/outlet
- Standard 1/4" NPT vent



### FLOW RATES

The following flow rates are suggested for standard use, though significantly higher rates may be obtained with corresponding pressure drop.

EFCS Product	GPM	Cartridge Size	# of Cartridges
20EFCS2-3C150	to 100 GPM	20 inch	10
30EFCS3-3C150	to 150 GPM	30 inch	10
40EFCS4-3C150	to 200 GPM	40 inch	10
50EFCS5-3C150	to 250 GPM	50 inch	10

### OPTIONS

- All vessels are highly customizable for the widest availability
- 222 Cartridge Seal Internals
- 2" or 3" flange sets in PVC, CPVC or Polypropylene
- EPDM, Viton, Silicon, Kalrez O-Rings
- Polypropylene liner
- 316 Stainless Steel Externals
- BPO bleach service