

EDEN EQUIPMENT COMPANY

PRECISION ENGINEERED FILTRATION SYSTEMS FOR THE GLOBAL MARKET

EFC 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.

EFC HOUSING DESCRIPTION

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

- EFC housings are constructed from a fiberglass 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 & PVDF available for specialized applications
- Externals are constructed of anodized aluminum & 303 stainless steel with other materials optional
- Buna O-rings are standard

FEATURES

- Designed to ASME Code, Section X standards
- All wetted materials meet the FDA CFR Title 21 requirements
- Pressure Rating - Maximum use pressure 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 2" 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.

EFC Product	GPM	Cartridge Size	# of Cartridges
6EFC1-2C150	to 30 GPM	10 inch	6
12EFC2-2C150	to 60 GPM	20 inch	6
18EFC3-2C150	to 90 GPM	30 inch	6
24ESC4-2C150	to 120 GPM	40 inch	6

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 or PVDF Liner
- 316 Stainless Steel Externals
- BPO bleach service