

EDEN EQUIPMENT COMPANY

PRECISION ENGINEERED FILTRATION SYSTEMS FOR THE GLOBAL MARKET

EFCV 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.

EFCV HOUSING DESCRIPTION

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

- EFCV 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

FEATURES

- Designed to ASME Code, Section X standards
- All wetted materials meet the FDA CFR Title 21 requirements
- Pressure Rating - Maximum use pressure rated 100 PSI at 150° F
- Hydrostatically pressure tested to 200 PSI, design pressure of 600 PSI
- Corrosion resistant - compatible with fluids in PH range of 2-13
- Standard 8” flanged 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.

EFCV Product	GPM	Cartridge Size	# of Cartridges
240EFCV3-8FC100	to 1,200 GPM	30 inch	80
320EFCV4-8FC100	to 1,600 GPM	40 inch	80
400EFCV5-8FC100	to 2,000 GPM	50 inch	80

OPTIONS

- All vessels are highly customizable for the widest availability
- 222 Cartridge Seal Internals
- 6” or 10” flange sets in PVC or CPVC
- EPDM, Viton, Silicon, Kalrez O-Rings
- BPO bleach service