

# 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