



Design Specifications (English)

ECH Model Number	# Cartridges	Length Cartridge (inch)	Nominal Dimensions (inches) - See Engineering Drawing for Actual with Tolerances											Vent	Drain w/ Cap	Inlet/Outlet	Weight Empty (lbs)	Weight w/ Water Full (lbs)	Closure Weight (lbs)	
			A	B	C	D	E	F	G	H	J	K	L							M
ECH-12-2.5-40-DOE-3VE-150	12	40	58.8	17	11.8	12.4	12.3	14	6.8	14.4	5	12.6	44.8	2.4	1/4" FNPT	3/4" MNPT	3" IPS Groove	165	356	8

ECH Model Number	# Cartridges	Length Cartridge (inch)	Nominal Dimensions (mm) - See Engineering Drawing for Actual with Tolerances											Vent	Drain w/ Cap	Inlet/Outlet	Weight Empty (kg)	Weight w/ Water Full (kg)	Closure Weight (kg)	
			A	B	C	D	E	F	G	H	J	K	L							M
ECH-12-2.5-40-DOE-3VE-150	12	40	1494	432	300	315	312	356	173	366	127	320	1138	2.4	1/4" FNPT	3/4" MNPT	3" IPS Groove	75	162	3.8

Type: The ECH Housing is a side-ported cartridge filter housing. The body is constructed of FRP - there are no wetted metallic components. All parts shown in the engineering drawing are provided with each unit.

Finish: High gloss polyurethane paint finish.

Number of Housings: 2

Cartridges per Housing: Twelve 2.5" x 40" DOE cartridges

Shell Material: Anhydride curing epoxy FRP. In accordance with conditions specified in UG-25 of ASME Section VIII Div.1.

Cover Material: PVC

Cover Design Specification: Calculated using formula AA2 and AA4 of ASME Code Section X.

Design Pressure: 150PSI / 1.05MPa

Min. Operating Temp: 14°F / -10°C

Burst Pressure: 6x Design Pressure

Warranty: One (1) year from date of manufacture subject to Enceladus standard warranty terms.