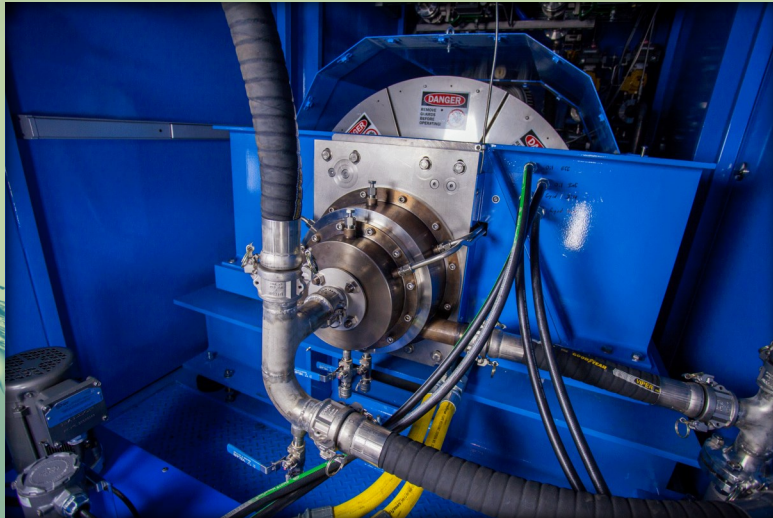


EcoSeparator™ 100



Crude Oil



Diesel



Paraffin



Refined Oil



Grease



EcoNova Inc.

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Intelligent Water Solutions

EcoNova's patented EcoSeparator™ system is designed to effectively separate a wide variety of hydrocarbons from water, increasing crude oil value and improving BS&W by dehydration separation.

Separation efficiency is dependent on contaminant solubility, density, viscosity, surface chemistry, and temperature. Elevated temperatures improve efficiency.

EcoSeparator™ 100

SPECIFICATIONS

Dimensions (each skid)	16 x 7 x 8 ft	4.9 x 2.1 x 2.4 m
C100 & S100 Empty Weight	~17,000 & ~23,000	~7,700 & ~10,400 kg
Flow Rate (Min—Max)	30 — 100 gpm	6.8 — 22.7 m ³ /h
Maximum Solids Loading	TSS: < 0.5% by volume TDS: < 100,000 ppm (temperature dependent)	
Maximum Solids Diameter	0.015 in	0.38 mm
Design Operating Temperature	40 — 180 °F	4 — 82 °C
Design Operating Pressure	50 — 90 psig	3.4 — 6.2 bar
Influent & Effluent Connection (ANSI Class 150, RF Flange)	4 & 2 in	DN 100 & 50
Components & Piping	316/316L Stainless Steel (Wetted) Coated Carbon Steel (Non-Wetted)	
Hazardous Certification (min)	NEC Class 1, Division 2, Groups C & D	

SITE REQUIREMENTS

Installation Pad	45.3 x 16.3 x 1.3 ft	13.8 x 5 x 0.4 m
Electrical Power	480 VAC, 3 Phase, 60 Hz, 100 A (C100 & S100)	
Plant Service Water	20 gpm @ 40 psig	4.5 m ³ /hr @ 2.76 bar
Instrument Air [ISO 8573.1-2001(E), Class 1]	50 scfm @ 100 psig	85 m ³ /hr @ 6.8 bar

ECONOVA