

# S100/S250/S500

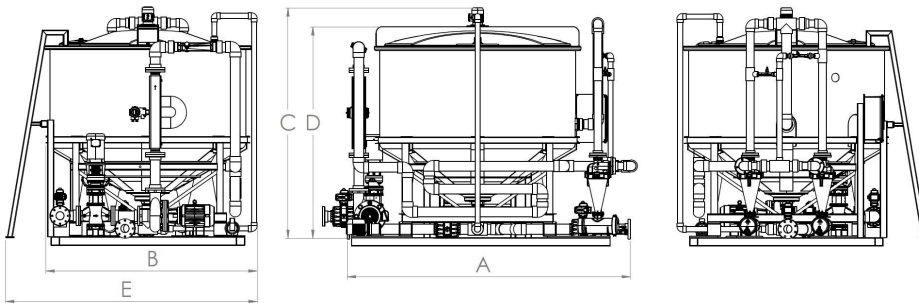
## Eco Separation Modules

### Product Information



#### S Series

The Separation Module of the The Eco System shown here is a highly efficient, low cost, and low maintenance alternative to traditional DAF systems. The Eco System uses a Venturi air injector which is a simple static device with no moving parts to introduce micro air bubbles into the system.



#### Physical Specifications

Model	Maximum Flow Rate	Dimensions (ft)				
		A	B	C	D	E
S100	100 GPM	7.75	5.00	7.83	7.42	6.56
S250	250 GPM	10.96	8.18	8.90	8.17	9.74
S500	500 GPM	10.96	8.18	9.50	8.67	9.74

#### Electrical Specifications

Model	Recommended Standby Generator	Power Requirements		
		Volts	Phases	Hz
S100	150 kW @ 1800 RPM	460	3	60
S250	150 kW @ 1800 RPM	460	3	60
S500	150 kW @ 1800 RPM	460	3	60

#### Estimated Operating Costs\*

Model	Electricity		
	/kgal	/m <sup>3</sup>	/day
S100	\$0.0385	\$0.0102	\$5.55
S250	\$0.0481	\$0.0127	\$17.32
S500	\$0.0481	\$0.0127	\$34.63

\*Operating Costs are estimations based on cost of electricity per kWh of \$0.10

#### Features and Benefits

No external devices or systems are needed to introduce air into the system

Venturi air injectors rely on the geometry of the design to change the pressure and generate suction of air into the system

No energy demand or power consumption. The injectors use the flow of water through it to operate

The lack of moving parts makes these systems long lasting and highly reliable

Less labor intensive

Venturi injectors can be easily moved to different locations within the system

Easily maintained and serviced

Lightweight system on an FRP skid for easy transportation

Strong and durable construction

Less controls are needed

Smaller tanks process more wastewater than DAF systems

For more information on Eco Indirect Potable Systems, contact:

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