

Model: FUS DS-50

DESCRIPTION

The FUS DS-50 is a portable water degassing system. The compact size makes this product easy to transport to and from experiments. The unit is capable of degassing water down to a dissolved oxygen content of ≤ 1 ppm, at flow rates up to 0.5 LPM. An internal pump enables active pumping of water into a container from a reservoir, or operation in a recirculation mode. A drain line avoids internal leaks in the event of improper connections. Vacuum levels can be monitored with the panel-mounted gauge, and a solenoid valve releases the vacuum automatically once the system is powered down.



FEATURES

- Laboratory grade vacuum pump for high level vacuum within a short period
- Medical grade diaphragm pump capable of 500 ml/min of flow
- Industrial degassing filter for efficient removal of dissolved gases
- Panel mounted vacuum gauge for online monitoring of vacuum levels
- Quick-connect fittings

SPECIFICATIONS

System	FUS DS-50
Description	Portable Water Degassing System
MECHANICAL	
Flow Rate	0.5 L/min
Vacuum Level	-26 in Hg
DISSOLVED OXYGEN REMOVAL	
Direct Mode	≤ 1 ppm (1 mg/L, 10% saturation) at the output port
Recirculating Mode (1L container)	<3 ppm in 5 minutes <1 ppm in 10 minutes
<i>*Note: Above specifications are produced using laboratory deionized water source</i>	
GENERAL SPECIFICATIONS	
Power Supply	24 V (DC), 2.7 A (DC transformer supplied with unit)
Electrical Requirements	120-240 V AC (supplied with standard N. America wall plug)
Dimensions (W x H x L)	9 x 4.5 x 15 inches 23 x 11.4 x 38.1 cm
Weight	11 lbs. (5 kg)