

Bias Flow Generator



Large Animal Bias Flow Generator



Small Animal Bias Flow Generator

Features

- **Small Animal Bias Flow**
 - **Vacuum and Pressure Capabilities**
 - **4 Ports**
 - **Interchangeable Manifolds for 1.0 & 2.5 L/min Applications**
- **Large Animal Bias Flow**
 - **Vacuum Flow**
 - **2 Ports**
 - **Variable Flow Rate (0-10 L/min)**

The Bias Flow Generator is intended for use with restrained and unrestrained whole body plethysmograph chambers or a large animal helmeted plethysmograph. It prevents the buildup of carbon dioxide in these respiratory apparatuses by providing a source of fresh air and helps maintain temperature and humidity levels within the chambers. It prevents condensation buildup that could affect a pneumotach in long duration studies. The Bias Flow Generator can also be used as a source of calibration by providing a constant measurable air flow that moves through the chamber.

Technical Data Sheet

**Model 600-1200-001, 600-1200-011, 600-1200-002, 600-1200-012,
600-1202-001, 600-1202-011**

Bias Flow Generator

SPECIFICATIONS

Electrical

Line Voltage	115/230 VAC
Line Frequency	50/60Hz
Fuse	1A@250 VAC, Slow Blow

Flow Rates (Small Animal)

600-1200-001	1.0 L/min
600-1200-011	1.0 L/min
600-1200-002	2.5 L/min
600-1200-012	2.5 L/min

Flow Rates (Large Animal)

600-1202-001	0-10 L/min using adjustable meter. Meter has $\pm 5\%$ of full scale accuracy
600-1202-011	0-10 L/min using adjustable meter. Meter has $\pm 5\%$ of full scale accuracy

Physical Size

Height	6.7 inches (17 cm)
Width	10.48 inches (26.6 cm)
Depth	18.4 inches (46.7 inches)
Weight	20 pounds (9.07 kg)

Environmental

Operating Temperature	5 to 40°C
Storage Temperature	-20 to 80°C
Humidity	10% to 80% Relative Humidity
Altitude	2000m

ORDERING INFORMATION

Part Number	Description
600-1200-001	Small Animal Bias Flow Generator (115VAC, 4 channel. 1.0 L/min, vacuum and pressure flow capability)
600-1200-011	Small Animal Bias Flow Generator (230VAC, 4 channel. 1.0 L/min, vacuum and pressure flow capability)
600-1200-002	Small Animal Bias Flow Generator (115VAC, 4 channel. 2.5 L/min, vacuum and pressure flow capability)
600-1200-012	Small Animal Bias Flow Generator (230VAC, 4 channel. 2.5 L/min, vacuum and pressure flow capability)
600-1202-001	DSI Large Animal Bias Flow Generator (115VAC, 2channel, adjustable 0-10 L/min, vacuum flow capability)
600-1202-011	DSI Large Animal Bias Flow Generator (115VAC, 2channel, adjustable 0-10 L/min, vacuum flow capability)
Accessories	
600-1201-001	Small Animal Bias Flow Manifold (4 channel, 1.0 L/min)
600-1201-002	Small Animal Bias Flow Manifold (4 channel, 2.5 L/min)
600-1203-001	Small Animal Bias Flow refurbishment kit
600-1204-001	Large Animal Bias Flow refurbishment kit
600-1009-001	Barbed in-line (1/8") filters (Qty. 40)
600-1010-001	Barbed in-line (1/4") filters (Qty. 20)

*Specifications are current at publication.
Due to DSI's continuing product improvement program,
specifications may change without notice.*

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