

## SmartFlow PM

Date Tested:

Performed by:

**Prior to performing PM procedures to SmartFlows a Laboratory Equipment and Furniture Release Form must be completed. If the SmartFlow is inside, Zone 2 and Decon must be performed.**

### Documentation:

Easy and SmartFlow Single Point Calibration Procedure

Easy and SmartFlow DOP Test

Easy and SmartFlow Standard Operating Procedure

Access codes: 143, 31 and 10

Unit ID #:

Serial #:

### Required Test Equipment:

Anemometer TSE-0204, TSE-0241

Aerosol Photometer TSE-0167

Fog Generator TSE-0170

Area of head = 0.00785 sq meters

Flow rate (m/s)= Displayed Air Velocity(m/s) x Area of Head (sq meters) x 3600 (seconds/hour)

### Procedure:

Set up test apparatus as per Single Point Calibration Procedure and complete procedure. Record results in Positive Pressure Mode Table 1 and Negative Pressure Mode Table 2. Then complete Easy and Smartflow DOP test. Record if results are greater than or less than 0.01 % of the upstream concentration. Remove top covers and gain access to main circuit board. Measure Hepa fan voltages. Measure test points pin 8 and pin 11 (Measured to V1) Record results in Table 3.

**Measured Value**

Flow Rate=Displayed Air Velocity x Anemometer Head Area x  
3600

A=0.00785sqmeters

**Positive Pressure Mode+**  
**Table 1 (+/- 15%)**

	Number of cages	Displayed Value	Measured Value (Calculated)
	80		
Supply			
Exhaust			
	160		
Supply			
Exhaust			
	240		
Supply			
Exhaust			
	320		
Supply			
Exhaust			

**Negative Pressure Mode**  
**Table 2 (+/- 15 %)**

	Number of cages	Displayed Value	Measured Value (Calculated)
	80		
Supply			
Exhaust			
	160		
Supply			
Exhaust			
	240		
Supply			
Exhaust			
	320		
Supply			
Exhaust			

**DOP Test Result**

Reading greater than 0.01%

Yes \_\_\_\_ No \_\_\_\_

**Hepa Fan Voltages**  
**Table 3**

Number of Cages	Pin 8	Pin11
80		
160		
240		
320		