



## VFC TSP

Ambient Air Sampler

The TE-5170V-BL is a high volume ambient Total Suspended Particulate (TSP) air sampler featuring a volumetric flow controller (VFC) for accurate and consistent particulate sampling and a maintenance free brushless motor. The volumetric flow controller maintains a constant flow rate as the sampler operates to collect an accurate and representative sample. The system utilizes a stainless steel filter holder for use with standard 8"x 10" filter paper. The anodized aluminum shelter and robust electrical components allow the system to operate a continuous 24 hour sample.

**ABOUT US:** Tisch Environmental is the benchmark for high volume air sampling, particulate, metals, volatiles, and specialty monitoring equipment. Since the company's inception in 1954 as General Metal Works, our product line has expanded from the first high volume air sampler to include high-tech and custom samplers. Our clients are professionals from every sector of the regulatory and industrial markets.

- ④ Meets EPA CFR, Appendix B to Part 50
- ④ Total Suspended Particulate (TSP)
- ④ Volumetric Flow Controlled
- ④ 7-Day Mechanical Timer
- ④ Elapsed Time Indicator
- ④ Aluminum Outdoor Shelter
- ④ Brushless Style Motor
- ④ Dickson Chart Recorder, 24 Hour
- ④ Stainless Steel Filter Holder
- ④ 44 CFM
- ④ Made In U.S.A.

## General System Specifications

**Particulate Size:** Total Suspended Particulate (TSP)  
**EPA Designation:** CFR 40 Part 50 Appendix B  
**Flow Controller:** Volumetric Flow Controller  
**Motor Style:** Brushless Style Motor Assembly  
**Pressure Recorder:** Dickson Chart Recorder, 24 hour  
**Timer:** 7 Day Mechanical  
**Elapsed Time Indicator:** Mechanical, Hours and Tenths  
**Flow Range:** 44CFM, 1.24m<sup>3</sup> /min  
**Housing:** Anodized Aluminum  
**Filter Holder:** Stainless Steel, 8" x 10"  
**4" Recorder Charts:** Box of 100  
**Filter Holder:** 8" x 10" Stainless Steel with hold down frame  
**Manometer:** 30" Slack Tube Water Manometer

## Available Models

**TE-5170V-BL TSP VFC, 110 Volt 60 Hertz, 8 Amps**  
**TE-5170VX-BL TSP VFC, 220 Volt 50 Hertz 4 Amps**  
**TE-5170VXZ-BL TSP VFC, 220 Volts 60 Hertz, 4 Amps**

## Calibration Equipment

**TE-5028 -Variable Flow Calibration Kit**  
**TE-HVC-V Xcalibrator HiVol Calibrator**

## Applications

US EPA Reference Method Sampling, CFR  
Appendix J Part 50 Regulatory Compliance  
Institutional Studies  
Construction Sites  
Bridge and Water Tower Painting Sites  
Fence Line Monitoring  
Industrial Monitoring  
Landfill Monitoring  
Public Health Applications

## Optional Equipment

TE-3000 Filter Holder Cartridge  
TE-G653 8" x 10" Glass Fiber Filter Media  
TE-117416 Replacement Motor  
TE-106 Recorder Charts  
TE-160 Recorder Pen Points  
TE-5018 Gasket 8" x 10"

## Physical Specifications

**Weight:** 75lbs, Shelter  
**Shipping Dimensions:** 48"W x 20"L x 20" H, Shelter  
19"W x 14"L x 14"H, Lid  
**Assembled Dimensions:** 19"W x 19"L x 54"H