



## VFC TSP

Ambient Air Sampler

The TE-5170DV-BL is a high volume ambient Total Suspended Particulate (TSP) air sampler featuring a volumetric flow controller (VFC) for accurate and consistent particulate sampling, a US EPA recommended digital timer, 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 1953 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.

- ⌚ **Meets EPA CFR, Appendix B to Part 50**
- ⌚ **Total Suspended Particulate (TSP)**
- ⌚ **Volumetric Flow Controlled**
- ⌚ **Digital Timer**
- ⌚ **Multiple Elapsed Time Indicators**
- ⌚ **Aluminum Outdoor Shelter**
- ⌚ **Brushless Style Motor**
- ⌚ **Dickson Chart Recorder, 24 Hour**
- ⌚ **Stainless Steel Filter Holder**
- ⌚ **44 CFM**
- ⌚ **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:** Programmable Digital  
**Elapsed Time Indicator:** Digital, 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

## 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

## Available Models

TE-5170DV-BLTSPVFC, 110 Volt 60 Hertz, 8 Amps  
 TE-5170DVX-BLTSPVFC, 220 Volt 50 Hertz, 4 Amps  
 TE-5170DVXZ-BLTSPVFC, 220 Volts 60 Hertz, 4 Amps

## Calibration Equipment

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

## Digital Timer Features

Programmable Sampling Schedule  
 Multiple Elapsed Time indicators  
 Internal Battery Backup  
 LCD Screen  
 Soft Press Keypad Buttons  
 US EPA Recommended

## 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:** 19W x 19"L x 54"H