



VFC TSP

Ambient Air Sampler

The TE-5170V is a high volume ambient Total Suspended Particulate (TSP) air sampler featuring a volumetric flow controller (VFC) for accurate and consistent particulate sampling. 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 Inc. 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
- ⓘ 7-Day Mechanical Timer
- ⓘ Elapsed Time Indicator
- ⓘ Aluminum Outdoor Shelter
- ⓘ Brush Style Motor
- ⓘ Dickson Chart Recorder, 24 Hour
- ⓘ Stainless Steel Filter Holder
- ⓘ 44 CFM
- ⓘ Made in USA

General System Specifications

Particulate Size:Total Suspended Particulate (TSP)
EPA Designation: CFR 40 Part 50 Appendix B
Flow Controller: Volumetric Flow Controller
Motor Style:Brush Style Motor Assembly
Pressure Recorder:Dickson Chart Recorder, 24 hour
Timer:7 Day Mechanical
Elapsed Time Indicator:Mechanical, Hours and Tenths
Flow Range:44CFM, 1.24M³M
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 TSP VFC, 110 Volt 60 Hertz, 8 Amps
TE-5170VX TSP VFC, 220 Volt 50 Hertz 4 Amps
TE-5170VXZ 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-33392 Motor Brush Set (110volt)
TE-33378 Motor Brush Set (220volt)
TE-115923 Replacement Motor (110volt)
TE-116111 Replacement Motor (220volt)
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 19"L x 20"H, Lid
Assembled Dimensions: 28"W x 28"L x 61"H