



F&J SPECIALTY PRODUCTS, INC.

PO Box 2888

Ocala, Florida 34478-2888

Tel: (352) 680-1177 • (352) 680-1178

Fax: (352) 680-1454

Email: fandj@fjspecialty.com **Internet:** www.fjspecialty.com

The Nucleus of Quality Air Monitoring Programs

HIGH VOLUME, PLASTIC HOUSING AIR SAMPLER F&J MODEL T8400T and T8400TE “COMET”

NOTABLE FEATURES:

- Very durable polypropylene plastic housing
- Lightweight, <9 lbs. (4,1 kg)
- Thermally Protected Motor
- Powerful 1.4 HP dual ball bearing motor
- 100-120VAC, 50/60Hz; single phase
200-240VAC, 50/60Hz; single phase also available
- Optional flow measurement gauge (10-70 CFM)
- Circuit Breaker Protected
- Resettable Elapsed time meter
- 50' electrical cord



**“Thermally Protected Motor”
Shown w/optional Annular Kinetic
Impactor head**

GENERAL DESCRIPTION:

The T8400T (100-120VAC) and the T8400TE (200-240VAC) Series Air Samplers are high volume air samplers with a two stage, thermally protected electric motor driven vacuum blowers. The motor driven blower is mounted in a very durable lightweight plastic polypropylene housing, mounted to a sturdy base plate, having non-skid rubber feet. An optional portable flow-monitoring gauge calibrated in cubic feet per minute (CFM) or liters per minute (LPM) may be utilized to measure the flow rate. The T8400T Series comes standard with a resettable elapsed time meter and push button on-off switch.

The T8400T or T8400TE Air Sampling System is designed for periodic short-term indoor use. Please consult the product specifications for the design temperature range and the installation category.

REV: 12 August 2020

T8400T (100VAC) and T8400TE (200VAC) High Volume Air Sampler

Specifications:

Pump Type: Two stage, through flow, thermally protected 1.4 HP, dual ball bearing vacuum blower motor.

Maximum Capacity: 90 CFM at 29.92" Hg at 68°F at zero load

Power Requirements:
T8400T – 100-120VAC; 50/60Hz; 50/60Hz @ 8.8 amperes; single phase
T8400TE – 200-240VAC; 50/60Hz; 50/60Hz @ 5.2 amperes; single phase

Circuit Breaker Protection: 10 amperes

Timer: LCD resettable elapsed time meter
Minutes – standard
Hour - optional

Electrical Cord: All temperature, 3 wire, 16 gauge; 50' long

Thermal Overload Protection: Furnished as an integral part of the motor

Exterior Housing: Heavy duty polypropylene

Handle: Durable plastic/metal

Dimensions: 9 3/4"L × 9 1/2"W × 10 3/8"H
 (24,8L × 24,1W × 26,4 cm H)

Weight: 8 lbs. 10 oz. (4,1 kg)

Installation Category: Pollution Degree 2

Operating Temperature: 40° - 104°F (4° - 40°C)

Storage Temperature: 32° - 122°F (0° - 50°C)

Particulate Holder:
 A durable plastic 4-inch (102 mm) diameter holder is standard

Maximum Flow Rates:

HV-1SA or HV1SAP Reducer and Small Diameter Filters

Charcoal Filter	Filter Paper	Flow Rate	
		(CFM)	(LPM)
TE1C	FP47M	9	250
TE2C	FP47M	6	170
TE3C	FP47M	7	198

FJ304 Combination Filter Holder:

Charcoal Filter	Filter Paper	Flow Rate	
		(CFM)	(LPM)
TE3.1	-----	36	1019
TE3.1	FP40M	18	509
TE33.1	-----	23	651
TE33.1	FP40M	14	396

Various Filter Paper Grades

4" (102 mm)

Diameter

Grade	(CFM)	(LPM)
FP40	25	708
FP40M	44	1245
213340	47	1330
FP102M2	59	1670

8"×10"

(20,3 cm × 25,4 cm)

Diameter

Grade	(CFM)	(LPM)
FP810	64	1811

Options:

Model FM50TA2880 Flow Monitoring Gauge

Dual Scale: 10-70 CFM and 300-2000 LPM

Model FM50TA2881 Flow Monitoring Gauge

Dual Scale: 0.50-2.00 CMM and 300-2000 LPM

Model HV-1SA or HV1SAP Adapter

An adapter to reduce from 4" (102 mm) diameter to 1.83" FPT

Model FJ3140P Combination Filter Holder

Holds 3.4"D × 1.2"H charcoal filter and 4" (102 mm) diameter filter paper

Model FJ2100 Filter Holder

8"×10" (20,3 cm × 25,4 cm) particulate filter holder may be utilized directly on the unit

F&J SPECIALTY PRODUCTS, INC.

PO Box 2888 Ocala, Florida 34478 / Tel: (352) 680-1177 / Fax: (352) 680-1454 / Email: fandj@fjspecialty.com