

Staplex Air Sampler Division

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Staplex® manufactures a complete line of personal Air Samplers, Calibrators and Filters designed for the professional.

- Many models of Personal Air Samplers for fast, accurate sampling results of asbestos, lead and dusts
- Primary Electronic Air Flow Calibrators, Rotometers and Primary Bubble Flowmeter for precise Air Sampler calibration
- Pre-loaded filter cassettes and filters with guaranteed highest quality control in the industry
- All models complete and ready to use
- Made in U.S.A. and fully guaranteed by Staplex® - The Air Sampling Specialist
- All models available in 110-125 volts AC or 220-240 volts AC, 50-60 Hz

Background

Staplex® Quality and Selection

Only Staplex® has a full line of heavy-duty asbestos Air Sampling equipment, filters and accessories for all your demanding needs. Staplex® manufactures top-quality high volume area Air Samplers and personal Air Samplers for use under NIOSH Method 7400, EPA A.H.E.R.A, and OSHA air sampling methods. The Buck Primary Electronic Air Flow Calibrators are the fastest, most accurate and most rugged calibrators available. The Staplex Quick Check™ Calibrating Rotometers are popular secondary calibrators. The wide selection of filters and pre-loaded filter cassettes from Staplex are all quality controlled for fiber background and are manufactured with the very highest quality control standards in the industry.

Simple sampling with Staplex®

All Staplex® Air Sampling equipment is designed for simple, trouble-free operation no confusing options or operation training. Count on Staplex® Air Samplers for fast and easy air sampling from start to finish!

Sampling with #1 - Staplex®

Staplex® - Air Sampler Division stands tops in the field of manufacturing Air Sampling equipment in the U.S.A. for health, safety, environmental, nuclear and asbestos air sampling. With over 45 years of experience in engineering and manufacturing Air Sampling equipment, Staplex® is recognized worldwide as the "Air Sampling Specialist". As pioneers in the asbestos air sampling field, Staplex has become a long-time favorite among professionals!

Typical professional users of Staplex Asbestos Air Samplers

abatement contractors	consulting & test firms
insulation contractors	safety inspectors
boiler contractors	utilities
schools	industrial hygienists
shipyard workers	government agencies
laboratories	home and building inspectors
HVAC contractors	insurance companies
demolition companies	and many more!

Staplex® PST-2X Personal Air Sampler



- For sampling airborne asbestos, lead and other dusts
- Made in U.S.A.

This compact personal air sampler weighs only 32 ounces for full-day worker comfort. Samples at flow rates from 0.5 to 2 LPM using 0.8 micron filter cassettes. The built-in flowmeter is calibrated at 2 LPM and has a recessed electronic flow control to adjust flow rate. Includes "ON/OFF" switch. Operates 8 hours at maximum flow rate from internal battery pack. Includes plug-in AC charger, durable housing, built-in pulsation dampener, 40" clear flexible tubing with lapel spring clip, heavy-duty belt-clip, and adjusting screwdriver. Suitable for mobile or fixed operation in normal non-explosive atmospheres. Made in U.S.A. Dimensions: 2-1/4" x 4" x 5-1/4" (5.7 cm x 10.2 cm x 13.3 cm).

Weight: 30 ounces (0.9 kilos).

Model PST-2X Personal Air Sampler Recharge 110-125 volts AC, 50-60 Hz

Model PST-3X Personal Air Sampler Recharge 220-240 volts AC, 50-60 Hz

Optional accessories:

PS-2XCC Carrying Case for air sampler, flexible tubing, charger and filter cassettes

PS-2XCC5 Five Sampler Carrying Case for 5 sets of PST-2 air samplers, flexible tubing and chargers

Staplex® PST-5 Personal Air Sampler



- For sampling airborne asbestos, lead and dusts
- Battery or AC operation
- Made in U.S.A.

A durable, easy to use personal air sampler worn by workers in asbestos abatement area. Samples at flow rates from 0.5 LPM to 2 LPM using 0.8 micron filter cassettes. Features built-in flowmeter calibrated every 0.2 LPM and fully adjustable electronic flow control with locking nut, settable over full sampling range. Operates 12 hours at maximum flow rate from internal rechargeable battery pack or continuously with plug-in AC adapter/charger (included). Includes replaceable in-line filter, pulsation dampener, "run" and "charge" indicator lights, 40" clear flexible tubing with lapel spring clip and filter cassette inlet adapter, heavy-duty belt clip, durable case. Suitable for mobile or fixed operation in normal non-explosive atmospheres. Made in U.S.A.

Dimensions: 2-3/4" x 5-1/4" x 7-3/8" (7 cm x 13.1 cm x 18.4 cm).

Weight: 44 ounces (1.25 kilos).

Model PST-5 Personal Air Sampler Recharge/run 110-125 volts AC, 50-60 Hz

Model PST-6 Personal Air Sampler Recharge/run 220-240 volts AC, 50-60 Hz

Optional accessories:

PS-5CC Carrying Case for air sampler, flexible tubing, adapter/charger and filter cassettes

Staplex® PST-5000 Constant Flow Personal Air Sampler



- **Compact, powerful 5-Liter Air Sampling Pump for both High Flow (0.6 to 5 LPM) and Low Flow (5 to 600 cc/min) applications**
- **Basic, dependable pump for personal and area air sampling**
- **Dual flow range easily handles filters, impingers, cyclones, tubes**
- **Rugged construction stands up to everyday use**
- **Lightweight, Compact, Easy-to-use**
- **Easy keypad entry flow verification**
- **One-hour rechargeable, interchangeable battery packs**
- **Percent Battery Charge remaining feature puts you in control**
- **"Auto-restart" after flow fault, plus "Filter-Off" feature**
- **Backlit Display for fast set-up and operation**
- **Programmable in three languages: English, Spanish, French**
- **Constant Flow Compensation up to 40" water back pressure**
- **Built-in Battery Maintenance program**
- **Displays: Elapsed Time, Percent Battery Charge remaining, Cumulative Volume Sampled and Flow rate.**
- **Made in U.S.A.**

The PST-5000 handles personal air sampling for many industrial hygiene, safety, asbestos and lead air sampling applications. Its advanced design, rugged dependability, and powerful operating features give you everything you need in one pump. The PST-5000 combines industry-leading one-hour recharging, interchangeable standard and long run battery packs, built-in battery maintenance program, "Auto-restart" plus "Filter Off" protection after flow fault, intrinsic safety, EMI-RFI protection, and water-dust resistance in a single, compact package. Plus, flow verification is fast and easy with an primary or secondary calibrator. You save time and money while ensuring accurate, efficient sampling. Made in U.S.A.

Dimensions: Model PST-5000 With Standard Battery Pack: 4.5" H x 4" W x 2" D (11.4 cm H x 10.2 cm W x 5 cm D)

Model PST-5003: With Long Run Battery Pack: 5.75" H x 4" W x 2" D (14.6 cm H x 10.2 cm W x 5 cm D)

Weight: Model PST-5000 With Standard Battery Pack: 19 oz. (539 g)

Model PST-5003: With Long Run Battery Pack: 23 oz. (652 g)

PST-5000 Personal Air Sampler with Standard Battery Pack, tubing, filter cassette inlet adapter and lapel clip (charger not included)

PST-5003 same as above with Long Run Battery Pack (instead of Standard)

Chargers:

P-5000-1SC Standard Charger, 120 VAC

P-5000-1SCA Standard Charger, 220 VAC

P-5000-1C Fast Charger, 120/230 VAC

P-5000-5C Five Station Fast Charger, 120/230 VAC

Accessories:

Sorbent Tube Holders -

P5000-AFL Adjustable Low Flow Tube Holder (for 5 -0600 cc/min flow range)

P5000-NALFH Non-adjustable Low Flow Tube Holder

Spare Battery Packs -

P5000-SB Standard Battery Pack

P5000-LB Long Run Battery Pack

Carrying Case-

P5000-CC Carrying Case

P5000-5CC Carrying Case for 5 each Air Samplers, 1 each Five Station Charger and accessories

M-30 Primary Electronic Air Flow Calibrator



- Calibrates 100 cc to 30 LPM range using primary standard method with LCD readout
- Made in U.S.A.

Calibrates both personal and area air samplers for flow rates up to 30 LPM based on primary standard method. Simply press a button on the durable, impact-resistant flow cell and the electronically calculated flow rate appears on a 4 digit LCD with an accuracy and repeatability of $\pm 0.5\%$ at any altitude. Operates for up to 8 hours from built-in rechargeable batteries or continuously from a plug-in AC adapter/charger (included). Super compact and portable, the rugged M-30 is ideal for fast and accurate on-site NBS traceable calibration and verification of sampling flow rates. Includes 500 ml bottle of soap film solution and dispenser bottle. Made in U.S.A.

Dimensions: 5-1/2" x 6" x 2-1/2" (14 cm x 15.2 cm x 6.4 cm).

Weight: 32 ounces (.9 kilos).

Model M-30 Air Flow Calibrator Recharge/run 110 volts AC, 50-60 Hz

Model M-30A Air Flow Calibrator Recharge/run 220 volts AC, 50-60 Hz

Optional accessories:

M30-CC Carrying Case for M-30, M-5 or M-1 calibrator, AC adapter/charger, soap film solution and dispenser bottle

SFS500 Soap Film Solution 500 ml bottle

Model M-5 Primary Electronic Air Flow Calibrator

- For Personal Air Samplers, range 1 cc to 6000 cc (.001 LPM to 6 LPM), other specifications similar to M-30 (above)

Model M-5 Air Flow Calibrator Recharge/run 110 volts AC, 50-60 Hz

Model M-5A Air Flow Calibrator Recharge/run 220 volts AC, 50-60 Hz

Model M-1 Primary Electronic Air Flow Calibrator

- For personal air samplers, range 1 cc to 300 cc, other specifications similar to M-30 (above)

Model M-1 Air Flow Calibrator Recharge/run 110 volts AC, 50-60 Hz

Model M-1A Air Flow Calibrator Recharge/run 220 volts AC, 50-60 Hz

Staplex® Quick Check® Calibrating Rotometers



- For economical, fast and accurate calibration of area and personal air samplers
- Made in U.S.A.

Acrylic block flowmeters are a secondary standard method for calibrating personal and area air sampler airflow rates quickly and easily. $\pm 3\%$ full scale accuracy exceeds current government standards. Virtually unbreakable components are designed for on-site use. Simply connect Calibrating Rotometer to air sampler with filter cassette in line and read calibrated flow rate on Calibrating Rotometer. Includes flexible tubing and cassette inlet adapter for quick connect to filter cassette. Made in U.S.A.

Dimensions: 6-1/2" x 1-1/8" x 1-1/4" (16.5 cm x 2.9 cm x 3.2 cm).

Weight: 9 ounces (.3 kilos).

RC-5 Quick Check Calibrating Rotometer for personal air samplers,
range 0.4 to 5 LPM graduated every 0.1 LPM

RC-20 Quick Check Calibrating Rotometer for area air samplers,
range 2 to 20 LPM graduated every 1 LPM

RC-50 Quick Check Calibrating Rotometer for area air samplers,
range 4 to 50 LPM graduated every 2 LPM

PBF-2 Primary Bubble Flowmeter for personal air samplers,
range 0 to 2 LPM, includes soap film solution (pictured center)

PBF-1 Primary Bubble Flowmeter for personal air samplers,
range 0 to 50 cc/minute, includes soap film solution (same as pictured center)

Filter Cassettes, Filters and Accessories

25-mm Diameter Pre-loaded Filter Cassettes

fully conductive, with 50-mm extension cowl and end plugs (50 per box)

TFAC22508C Pre-loaded with 0.8 micron mixed cellulose ester (MCE)
filter and support pad (for Method 7400/PCM analysis)

TFAC25455C Pre-loaded with .45 micron MCE filter and 5 micron MCE
diffusion filter (for A.H.E.R.A./TEM analysis)

TFPC25405C Pre-loaded with 0.4micron polycarbonate filter and 5
micron MCE diffusion filter (for A.H.E.R.A./TEM analysis)

25-mm Diameter Filters and Accessories

TFA2508 Filter 25-mm diameter 0.8 micron pore size mixed cellulose ester (100 per pack)

CSP25 Cellulose support pad, 25-mm diameter (100 per pack)

37-mm Diameter Pre-loaded Filter Cassettes

clear polystyrene housing, center ring and end plugs (50 per box)

TFAC33708 Pre-loaded with 0.8 micron MCE filter and support pad

TFAC33745 Pre-loaded with .45 micron MCE filter and support pad

TFAC33708MW Matched Weight Pre-loaded with two 0.8 micron MCE filters and support pad

37-mm Diameter Filters and Accessories

TFA3708 Filter, 37-mm diameter 0.8 micron pore size mixed cellulose ester (100 per pack)

CSP37 Cellulose support pad, 37-mm diameter (100 per pack)

TFAC37 Empty 37-mm diameter polystyrene (clear) cassette with center ring and end plugs (50 per box)

Adapters and Mailing Boxes

LA 10 Inlet adapter connects flexible tubing to filter cassette (10 per pack)

MB0610 Mailing Box, for 6 25-mm or 12 37-mm cassettes (10 boxes/pack)

MB1804 Mailing Box, for 18 25-mm or 36 37-mm cassettes (4 boxes/pack)

Note: All pre-loaded Filter Cassettes and Filters are quality controlled for fiber background. Other diameter, composition and pore size filters also available.

Staplex® PST- 1DT Detector Tube Personal Air Sampler



- Ideal for sampling hazardous gases and vapors for NIOSH/OSHA methods
- Super compact 1.2" x 0.8" x 4.3" (30-mm x 20-mm x 109-mm)
 - weighs only 4 oz. (114 grams)
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- Flow range 20-200 cc per minute
- Uses one replaceable 9 volts alkaline or zinc carbon batteries (eliminates charging!) for 40 hours of sampling time
- Constant flow maintained in 20-150 cc per minute range as battery voltage drops
- Intrinsically safe
- Uses 6-mm and 8-mm diameter charcoal tubes and other absorber and colorimetric tubes (6-mm charcoal tube holder included)
- Special clip ensures sampler stays firmly in pocket
- Made in U.S.A.

Specifications:

PST-1DT Detector Tube Personal Air Sampler (includes 6-mm charcoal tube holder and 9 volt battery))

Optional Accessories:

PST-1DTCC Carrying Case

PST-1DTCC8 Carrying Case for 8 units

TH-6 Charcoal Tube Holder for 6-mm tubes

TH-8 Charcoal Tube Holder for 8-mm tubes

TH-10 Holder for Colorimetric Tubes or two 6-mm charcoal tubes in series for Methylene Chloride

CT-6 Charcoal Tubes (50 per pack)

PFB-1 Primary Bubble Flowmeter – for 0-50 cc/min calibration range