

Buck Basic-5™

Personal Sampling Pump

**The Smallest, Most Powerful
5-Liter Sampling Pump for both
High Flow (0.8 to 5 LPM) and Low Flow
(5 to 800 cc/min) applications**



Features:

- **Basic, dependable pump for personal and area 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**
- **EZ-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**

The Buck-Basic 5™ is the smallest, most powerful 5 liter basic sampling pump that handles personal and area sampling. Its advanced design, rugged dependability, and powerful operating features give you everything you need in one pump. The Buck-Basic 5™ combines industry-leading one-hour recharging, interchangeable 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 the reliable *mini-BUCK™* Calibrator. You save time and money while ensuring an accurate, efficient sample from every pump.



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**Buck-Basic™
Series**
Personal
Sampling
Pump

Specifications

Specifications subject to change without notice



Model: Buck-Basic 5™
Total Flow Range: 0.005 – 5 LPM (5 cc/min to 5,000 cc/min)
Constant Flow Range: 0.8 – 5 LPM (800 cc/min to 5,000 cc/min)
Constant Pressure Range: 5 – 800 cc/min with optional Universal Low Flow Holder APB-109030. For flows greater than 800 cc/min use optional Non-Adjustable Low Flow Holder APB-109032.
Accuracy: ± 3% of set flow

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Cassette Type	Table of Typical Battery Life in Hours : Constant Flow Mode					
	Flow Rate LPM					
	2	2.5	3	3.5	4	4.5
25 mm 0.8 μ	10.1	8.1	6.8	5.9		
37 mm 0.8 μ	11.8	9.4	7.7	6.5		
37 mm glassfiber	13.4	10.9	9.4	8.1	7.1	6.3
47 mm glassfiber	14.3	11.6	9.7	8.4	7.4	6.5

Display Data **Run Mode:** Battery (%), Elapsed Time, Cumulative Volume (L), Flow (cc/min)
Reset Mode: Clear all pump settings?, Clear elapsed time only?
Verify/Cal Mode: Sampling Flow Verify?, Current Data, Clear Current Calibration?
Setup Mode: Select Constant Flow/Pressure?, Select Language?, Password Activate?

Rechargeable NiCad Batteries: 4.8V, 1.5 aH
Operating Temperature Limits: 32° to 104° F (0° to 40°C)
Size: 4.5"H x 4"W x 2"D (11.4 cm H x 10.2 cm W x 5 cm D)
Weight: 19 oz. (539 g)

Part Numbers

Pump Kits

- APB-929100 Buck-Basic 5™ **Pump Kit** (includes pump w/ Standard battery pack, Luer hose adapter, shirt/hose clip, 3 ft. vinyl hose and Operating Manual). Kit does not include Universal Low Flow Holder for sorbent tubes. **Order Pump Charger and Accessories separately.**
- APB-942950 Buck-Basic 5™ **Pump 5-Pack** (includes 5 each: Buck-Basic 5™ pumps w/ Standard battery packs, Luer hose adapter, shirt/hose clip, 3 ft. vinyl hose), two Operating Manuals, one 1-hr. *FastFive*™ Charger **120VAC** in durable case that accommodates additional accessories. Kit does not include Universal Low Flow Holders for sorbent tubes. **Order Accessories separately.**
- APB-942960 Buck-Basic 5™ **Pump 5-Pack** (includes 5 each: Buck-Basic 5™ pumps w/ Standard battery packs, Luer hose adapter, shirt/hose clip, 3 ft. vinyl hose), two Operating Manuals, one 1-hr. *FastFive*™ Charger **230VAC** in durable case that accommodates additional accessories. Kit does not include Universal Low Flow Holders for sorbent tubes. **Order Accessories separately.**

Pump Chargers* (not included with Pump Kits unless specified)

- APB-601900 *FastOne*™ Charger Single Station, 120VAC
 APB-601910 *FastOne*™ Charger Single Station, 230VAC
 APB-605900 *FastFive*™ Charger Five Station, 120VAC
 APB-605910 *FastFive*™ Charger Five Station, 230VAC
 APB-603900 Standard Charger Single Station, 120VAC
 APB-603910 Standard Charger Single Station, 230VAC

Accessories (not included with Pump Kits unless specified)

- APB-109030 Universal Low Flow Holder, allows adjustable sample flows 5 to 800 cc/min in Constant Pressure Mode using *mini-BUCK*™ Calibrator, includes Standard Tube Cover (APB-109022)
 APB-109032 Non-Adjustable Low Flow Holder, allows sample flows greater than 800 cc/min in Constant Flow Mode, includes Standard Tube Cover (APB-109022)
 APB-129020 NiCad Battery, Standard Pack, UL, cUL, Ex, rechargeable, for Buck Basic-1 and 5, VSS-1 and 5 pumps
 APB-129320 NiCad Battery, Triple Pack, UL, cUL, Ex, rechargeable, for extended run times with Buck Basic -1 and 5, VSS-1 and 5 pumps
 APB-109056 Battery Eliminator, 120VAC, replaces Basic battery pack for continuous operation, **non-hazardous areas**
 APB-109058 Battery Eliminator, 230VAC, replaces Basic battery pack for continuous operation, **non-hazardous areas**

*Charging time depends on battery discharge level