

Buck Basic-12™

Super High Flow Personal Sampling Pump

**The Smallest, Most Powerful
12-Liter Sampling Pump for
High Flow (2 to 12 LPM) applications**



Features:

- **Basic, dependable pump for personal and area sampling applications**
- **Dual flow range easily handles filters, impingers, cyclones**
- **Rugged construction stands up to everyday use**
- **Lightweight, Compact, Easy-to-use**
- **Easy keypad entry flow verification**
- **Quick rechargeable, interchangeable battery packs**
- **Percent Battery Charge remaining feature puts you in control**
- **“Auto-restart” after flow fault**
- **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 12™ is the smallest, most powerful 12 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 12™ combines industry-leading fast recharging, interchangeable battery packs, built-in battery maintenance program, “Auto-restart” protection after flow fault, 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 or the new **PDS™** Primary Flow Diagnostic System. 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 12™
Total Flow Range: 2 – 12 LPM (2000 cc/min to 12,000 cc/min)
Accuracy: ± 3% of set flow

Cassette Type	Table of Typical Battery Life in Hours : Constant Flow Mode					
	Flow Rate LPM					
	2	4	6	8	10	12
25 mm 0.8 µ	28.1	14.5	9.6			
37 mm 0.8 µ	20.5	11.5				
37 mm glassfiber	33.3	23.1	15.3	10.8	6.6	
47 mm glassfiber	33.3	21.4	15.0	10.8	6.7	7.3

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, 4.5 aH
Operating Temperature Limits: 32° to 104° F (0° to 40°C)
Size: 5.75"H x 4"W x 2"D (14.6 cm H x 10.2 cm W x 5 cm D)
Weight: 23 oz. (652 g)

Part Numbers

Pump Kits

- APB-929100 Buck-Basic 12™ **Pump Kit** (includes pump w/ triple 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 12™ **Pump 5-Pack** (includes 5 each: Buck-Basic 12™ pumps w/ triple 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 12™ **Pump 5-Pack** (includes 5 each: Buck-Basic 12™ pumps w/ triple 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-109300 NiCad Battery, Triple pack, non-UL, rechargeable, for Basic-12 pump
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