

Buck-Genie™ VSS-12™

Super High Flow Validated Sampling System

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



Features:

- Validated Sample System maintains sample integrity
- Ideal for I.H. and IAQ, low concentrations, environmental sampling
- Displays: flow, cum. volume, elapsed time, temperature, pressure
- Automatic Data Logging preserves pump history
- Print Pump Sampling History Direct to Printer
- Programmable in three languages: English, Spanish, French
- EZ-Backlit™ Display for fast set-up and operation
- Constant Flow Compensation up to 50" water back pressure
- Two-hour rechargeable, interchangeable battery packs
- Fully programmable for "Duration" or "Start-Stop" operation
- Built-in Battery Maintenance program, plus Batt. Time Left display
- Automatically corrects for temperature and pressure changes

The Buck-Genie™ VSS-12™ (Validated Sampling System) is the smallest, most powerful 12 liter data-logging pump for industrial hygiene, personal and area sampling, environmental sampling, and occupational health studies. Its advanced design, easy programmability, advanced operating software, and powerful sampling performance combine to give you everything you need in one pump. You can link a sample number, pump serial number, calibrator serial number, calibration data, and performance data to prove a valid sample. And fast recharging, interchangeable battery packs, and built-in battery maintenance software means you save time and money while ensuring an efficient, valid sample.



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Buck-Genie™
VSS™ Series

**Validated
Sampling
System**

Specifications

Specifications subject to change without notice

Model: Buck-Genie™ VSS-12™



Total Flow Range: 2 – 12 LPM (2,000 – 12,000 cc/min)
Accuracy all ranges: ± 2% of calibration set point

Cassette Type	Table of Typical Battery Life in Hours w/ Triple Battery Pack					
	Flow Rate LPM					
	2.0	4.0	6.0	8.0	10.0	12.0
37 mm 0.8 µm	28.1	14.5	9.6			
25 mm 0.8 µm	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	10.0	6.7	7.3

Display Data **Run:** VOL MODE: Batt capacity, Temp., Elapsed Time, Cumulative Volume, Flow Rate, Differential Pressure (DP), Batt Hours left
 STP MODE: Barometric Pressure, Temp., STP Volume, Flow Rate
Reset: Clear Sample Data?, Clear Elapsed Time Only?, Change Flow Rate?, Run Battery Life?
Flo/Pr: Flow Control Mode: Constant "Flow", Constant "Pressure", Select VOL or STP?
Setup: Timing Routines, History Report Logging Rate, Flow Fault Mode, Password?, Reset Time?/Date?, Select Unit of Measure, Startup Displays?, Select Language?
Print: Print Report Pump History?, Delete All Log Entries?, Current Data
Cal: Sample Flow Verify?, Current Data, Clear Current Calibration?
Rechargeable NiCad Batteries: 4.8 V, 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-909000 Buck-Genie VSS-12 **Pump Kit** includes pump w/ triple battery pack, Luer hose adapter, shirt/hose clip, 3 ft. vinyl hose and Operating Manual. **Order Pump Charger and Accessories separately.**
- APB-940600 Buck-Genie VSS-12 Pump **5-Pack** (includes 5 each: VSS-12 pumps w/ triple battery packs, Luer hose adapter, shirt/hose clip, 3 ft. vinyl hose), two Operating Manuals, one VSS *FastFive* Charger **120VAC** in durable case that accommodates additional accessories. **Order Accessories separately.**
- APB-940610 Buck-Genie VSS-12 Pump **5-Pack** (includes 5 each: VSS-12 pumps w/ triple battery packs, Luer hose adapter, shirt/hose clip, 3 ft. vinyl hose), two Operating Manuals, one VSS *FastFive* Charger **230VAC** in durable case that accommodates additional accessories. **Order Accessories separately.**

Pump Chargers* (not included with Pump Kits)

- APB-601900 *FastOne*™ Charger Single Station, 120VAC, for VSS and Basic Series pumps
- APB-601910 *FastOne*™ Charger Single Station, 230VAC, for VSS and Basic Series pumps
- APB-605900 *FastFive*™ Charger Five Station, 120VAC, for VSS and Basic Series pumps
- APB-605910 *FastFive*™ Charger Five Station, 230VAC, for VSS and Basic Series pumps
- APB-603900 Standard Charger Single Station, 120VAC, for VSS and Basic Series pumps
- APB-603910 Standard Charger Single Station, 230VAC, for VSS and Basic Series pumps

Accessories (sold separately)

- 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-129022 NiCad Battery, Standard Pack, ETL, cETL, CE, rechargeable, for VSS and Basic Series pumps
- APB-129020 NiCad Battery, Standard Pack, EX, D, CE, rechargeable, for VSS and Basic Series pumps
- APB-109322 NiCad Battery, Triple Pack, ETL, cETL, CE, rechargeable, for extended run times with VSS and Basic Series pumps
- APB-109320 NiCad Battery, Triple Pack, EX, D, CE, rechargeable, for extended run times with VSS and Basic pumps
- APB-109056 Battery Eliminator, 120VAC, replaces VSS or Basic battery pack for continuous operation, **non-hazardous areas**
- APB-109058 Battery Eliminator, 230VAC, replaces VSS or Basic battery pack for continuous operation, **non-hazardous areas**
- APB-109054 VSS Cable-Converter, allows VSS-5 pump to print History Reports direct to printer
- APB-109100 VSS PC Link Express™ Software Package, incl. 1 CD-ROM, 1 VSS Communication Cable, one 9-25 pin adapter, installation instructions
- APB-109048 VSS Communication Cable, 6 pin mini-DIN to 9 pin DSUB connector

*Charging time depends on battery discharge level