

AirChek 52 Sample Pump

Rugged, Simple, and Reliable

Flows: 5 to 3000 ml/min

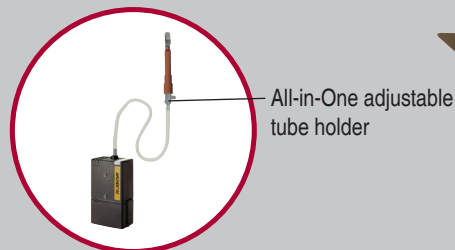
Certifications

Intrinsic safety: UL913, CAN/CSA C22.2
ATEX models available; contact SKC.

Other: CE, UKCA



Top view



AirChek 52 in low flow train



Wide flow range

- Constant high flows from 1000 to 3000 ml/min
- Low flows from 5 to 500 ml/min with All-in-One adjustable tube holder with built-in CPC

Full-shift run times

- Provides 12+ hours at 2000 ml/min, 25 inches water back pressure

Simple design

- Impact-resistant case is easy to clean and decontaminate
- Easy On/Off button and flow control
- Quick-change battery pack mounted on bottom of pump

Small, compact, and lightweight

- Only 20 ounces (567 grams)!
- 5 x 3 x 1.75 inches (12.7 x 7.6 x 4.4 cm)

Intrinsically safe and RFI/EMI shielded

- UL Listed for intrinsic safety
- Protected from EMI and RFI (27 to 1000 MHz)
- CE marked
- Model that meets ATEX Directive 94/9/EC available

Highly accurate display

- Digital time display tracks sample time in minutes up to 99,999 minutes
- Indicates low battery and flow fault without losing sample run time
- Attempts auto-restart up to 5 times from flow fault

Multiple-tube sampling saves time and uses fewer pumps

- Use multi-tube sampling accessories to sample with up to four sorbent tubes simultaneously, each at the same or a different flow rate from 5 to 500 ml/min (*dependent on back pressure*)

Flow fault protects sample integrity

- If pump is unable to compensate for > 15 seconds, a flow fault icon appears on the LCD, the pump shuts down, and run time is retained



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Quick View

AirChek 52 Sample Pump

Performance Profile	
Flow Control Accuracy	± 5% of set-point after calibration
Typical Run Time	Battery Pack: 12+ hrs at 2000 ml/min and up to 25 inches water back pressure; dependent on sample media used Battery Eliminator: pump provides extended runs
Charge Time <i>(varies with battery capacity and level of discharge)</i>	6 to 8.5 hrs using PowerFlex charger
Temperature Range	Operating: 32 to 104 F (0 to 40 C) Storage: -4 to 113 F (-20 to 45 C) Charging: 50 to 113 F (10 to 45 C)
Display	LCD always remains on. Displays elapsed pump run time in minutes up to 99,999. This display resets when pump is started. Note: Older pump models display elapsed time up to three digits (999) and then roll back to zero.
Noise Level	62.5 dBA* - pump without case 55 dBA* - pump housed in noise-reducing case (optional accessory)
Flow Fault	After 15 sec, pump stops; LCD remains on to display elapsed time and flow fault icon. Auto-restart is attempted up to 5 times. Elapsed time information will be lost on restart.
Low Battery Fault	LCD displays low battery icon and pump shuts down. LCD remains on.
Weight	20 oz (567 gm)

* Measured 3 feet (1 meter) distance from pump operating at 2 L/min with a 37-mm, 0.8-µm MCE filter cassette

Ordering Information

AirChek 52 Pumps require 1/4-inch ID tubing.

Pump and Single Kit		Cat. No.
AirChek 52 Sample Pump includes NiMH battery pack and screwdriver set, <i>requires charger</i>		224-52
Starter Kit includes pump as described above, single PowerFlex charger with cable, Tygon tubing (3 feet, 1/4-inch ID), and collar clip with cable tie	100-240 V	224-52-S
Single High Flow Sampling includes pump as described above, single PowerFlex charger with cable, filter cassette holder, screwdriver set, and soft-sided nylon carry case†	100-240 V	224-52K
5-pack Pump Kits		
High Flow Sampling includes 5 each: pumps as described above, filter cassette holders, and screwdriver sets and one 5-station PowerFlex charger with 5 cables, in a hard-sided case	100-240 V	224-52K5
Low and High Flow Sampling includes 5 each: pumps as described above, filter cassette holders, screwdriver sets, All-in-One adjustable tube holders, and Type A protective tube covers and one 5-station PowerFlex charger with 5 cables, in a hard-sided case	100-240 V	224-52K5D
Accessories		
Low Flow Adapter Kit (5 to 500 ml/min) includes All-in-One adjustable tube holder and Type A protective tube cover		210-500
Battery Eliminator , connects pump to line power for extended sampling	115 V	223-300
Replacement Battery Pack†	NiMH	P78011AMH†
Kit Cases,		
Single , Nylon with shoulder strap		224-903
Single , hard-sided		224-901
5-pack , hard-sided, on wheels for easy transport		224-907
5-pack , hard-sided, deluxe, on wheels for easy transport		224-910

† Replacing batteries with non-approved battery packs voids any warranty and UL Listing for intrinsic safety.

‡ Single pump kit is also available in hard-sided case. Contact SKC.

Flow Rate (ml/min)	5 to 3000
Weight in Ounces (grams)	20 (567)
Compensation Range (inches water)	Up to 25 at 2 L
Built-in Timer/Clock	Timer
Constant Flow	Yes
Programmable	N/A
PC-compatible	N/A
Multi-tube Sampling	Yes
Flow Fault Feature	Yes
RF/EMI Shielded	Yes
Intrinsically Safe — UL Listed	Yes
MSHA-approved Models Available	N/A
ATEX Models Available	Yes
CE Marked	Yes
Corrects for Changes in Atmospheric Pressure	N/A
Corrects for Changes in Temperature	N/A
Battery Type	NiMH (4.8 V, 3.3 Ah)
Battery Check	Yes
Tubing	Requires 1/4-inch ID tubing
Recommended Accessories	
Chargers	
Battery Eliminator	
Low Flow Kit Cat. No. 210-500	
Adjustable Tube Holders	
Filter Holders	
Tubing	
Cases/Pouches	