

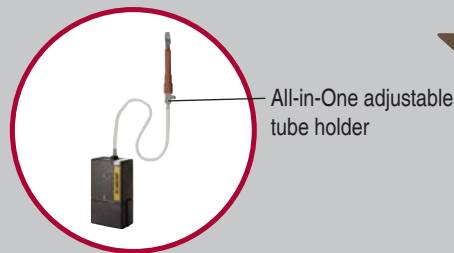
AirChek 52 Sample Pump

Rugged, Simple, and Reliable

Flows: 5 to 3000 ml/min



Top view



AirChek 52 in low flow train

Certifications		
	<i>ATEX-approved model available; contact SKC</i>	



◎ **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





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. This display resets when pump is started.
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. 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 Pelican 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 Pelican case	100-240 V	224-52K5D
Accessories		
Low Flow (5 to 500 ml/min) Kit 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 , Pelican		224-901
5-pack , Pelican, on wheels for easy transport		224-907
5-pack , Pelican, 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 Pelican 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

SKC Limited Warranty and Return Policy
SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skcinc.com/warranty>.

