

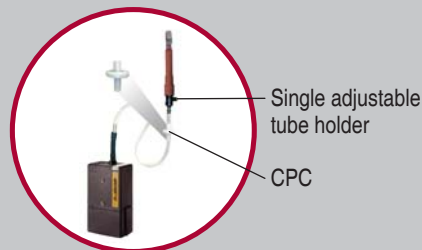
AirChek 52 Sample Pump

Rugged, Simple, and Reliable

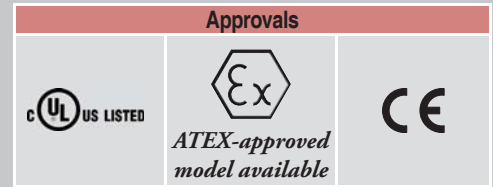
Flows: 5 to 3000 ml/min



Top view



AirChek 52 in low flow train



Wide flow range

- Constant flows from 1000 to 3000 ml/min
- Single or multiple low flows from 5 to 500 ml/min with low flow adapter kit

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

Optimize time and convenience with multiple-tube sampling

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

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 113 F (0 to 45 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

Pump and Single Kit		Cat. No.
AirChek 52 Sample Pump includes NiMH battery pack and screwdriver set, requires charger		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 AirChek 52 pump as described above, single PowerFlex charger with cable, filter cassette holder, screwdriver set, and soft-side nylon carry case†	100-240 V	224-52K
5-pack Pump Kits		
High Flow Sampling includes 5 AirChek 52 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 AirChek 52 pumps as described above, filter cassette holders, screwdriver sets, Constant Pressure Controllers (CPC), and adjustable low flow holders with Type A tube covers and one 5-station PowerFlex charger with 5 cables, in a Pelican case	100-240 V	224-52K5D
Accessories		
Constant Pressure Controller (CPC)		224-26-CPC
Low Flow (5 to 500 ml/min) Adapter Kit includes Constant Pressure Controller, single Adjustable Low Flow Holder, and Type A tube cover		210-500
Battery Eliminator , connects pump to line power for extended sampling	115 V	223-300
Replacement Battery Pack†	NiMH NiCad	P78011AMH† P78011A†
Kit Cases,		
Single , nylon with shoulder strap		224-903
Single , Pelican		224-901
5-pack , Pelican		224-907
5-pack , Pelican, deluxe		224-910

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

‡ 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

Recommended Accessories	
Chargers	
Battery Eliminator	
Defender Calibrator	
Cat. No. 717-510M	
Low Flow Adapter Kit	
Cat. No. 210-500	
Adjustable Low Flow Tube Holders	
Filter Holders	
Tubing	
Cases/Pouches	

