

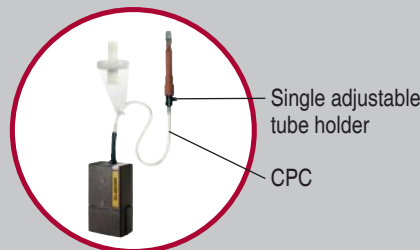
AirChek 52 Sample Pump

Rugged, Simple, and Reliable

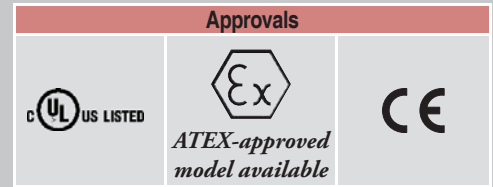
Flows: 5 to 3000 ml/min



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 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 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

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, 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 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 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 pumps as described above, filter cassette holders, screwdriver sets, Constant Pressure Controllers (CPC), Adjustable Low Flow Holders, and 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 | P78011AMH† |
| | NiCad | 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 |
| Tubing | Requires 1/4-inch ID tubing |

| 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 | |

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.asp>.

