



The **Supercharged**

# AirChek XR5000

Personal Sampling Pump

**Li-Ion Battery Makes It Flow**

- Extended flow to 5000 ml/min and extended run time\*

XR5000 Model	2 L/min	5 L/min
High-power Li-Ion	40 hrs	22 hrs
Standard Li-Ion	20 hrs	11 hrs
Alkaline	18 hrs	8 hrs

\* Using 37-mm 0.8-µm MCE filters

- Patented† highly accurate isothermal flow control compensates within ± 5%

Extremely easy-to-use features

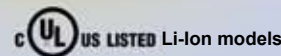
- Three-button keypad
- Set-and-go timer for timed and delayed runs to 9999 min
- Continuous run with the touch of a button
- Large LCD displays elapsed time and accumulated run time
- Bright blue status LED

Automatic features for sample integrity

- Flow correction for changes in temperature
- Lockable keypad
- Flow fault indicator
- Auto-restart from flow fault
- Accumulated run time display

- Standard model weighs only 16 oz (454 gm)

† U.S. Patent No. 5,892,160



**LIKE NO OTHER SAMPLING PUMP**

# Performance Profile

## Flow range:

1000 to 5000 ml/min  
5 to 500 ml/min with Low Flow Adapter Kit

**Constant flow compensation:** 5000 ml/min at 10  
(inches water back pressure) 4000 ml/min at 20  
2000 ml/min at 50

## Accuracies:

**Timing:** 1 min/month at 25 C  
**Flow rate:** ±5% of set-point after calibration to desired flow

**Flow fault:** If pump is unable to compensate due to excessive back pressure, pump stops and holds run time display. Auto-restart is attempted every 15 seconds up to 5 times.

## Temperature range:

**Operating:** 32 to 113 F (0 to 45 C)  
**Charging:** 32 to 113 F (0 to 45 C)  
**Storage:** -4 to 113 F (-20 to 45 C)

**Case:** Anti-static plastic

## Battery pack:

**High-power Li-Ion (4 cell):** rechargeable, 7.4 V, 4.4 Ah capacity  
**Standard Li-Ion (2 cell):** rechargeable, 7.4 V, 2.2 Ah capacity  
**Alkaline (6 cells):** disposable, size AA, 1.5 V (nominal)


## Pump Dimensions:

**High-power Li-ion and Alkaline:** 5.5 x 3 x 2.3 inches (14 x 7.6 x 5.8 cm)  
**Standard Li-Ion:** 4.3 x 3 x 2.3 inches (10.9 x 7.6 x 5.8 cm)

## Pump Weight:

**High-power Li-Ion and Alkaline:** 21 oz (0.6 kg)  
**Standard Li-Ion:** 16 oz (0.45 kg)  
**Alkaline:** 17 oz (0.48 kg)

**RFI/EMI shielding:** CE marked

**Standards:** UL labeled Li-Ion models are  **US LISTED** for intrinsic safety for use in hazardous locations when used with battery pack Cat. No. P85004 or P85002.

# Ordering Information

## AirChek® XR5000 with High-power Li-Ion

Description	Cat. No.
<b>Pump with battery*</b> , <i>UL Listed, requires charger, see below</i>	210-5001*
<b>Single Pump Kit*</b> includes pump, charger, cassette holder, and soft-side nylon carry case, <i>UL Listed</i>	100-240 V 210-5001K*
<b>5-pk Hi-flow Pump Kit*</b> includes 5 pumps, single chargers, cassette holders, and 1 carry case, <i>UL Listed</i>	100-240 V 210-5001K5A*
<b>5-pk Hi/Low-flow Pump Kit*</b> includes 5 pumps, adjustable low flow holders, CPCs, Type A tube covers, cassette holders, single chargers, and 1 pelican case, <i>UL Listed</i>	100-240 V 210-5001K5DA
<b>Single Charger</b> for high-power and standard Li-Ion pumps	100-240 V 223-241
<b>Replacement 4-cell Li-Ion Battery Pack</b> , <i>UL Listed</i> when used with <i>UL Listed</i> XR5000 pump	P85004

## AirChek XR5000 with Standard Li-Ion

Description	Cat. No.
<b>Pump with battery*</b> , <i>UL Listed, requires charger, see below</i>	210-5002*
<b>Single Pump Kit*</b> includes pump, charger, cassette holder, and soft-side nylon carry case, <i>UL Listed</i>	100-240 V 210-5002K*
<b>5-pk Hi-flow Pump Kit*</b> includes 5 pumps, single chargers, cassette holders, and 1 carry case, <i>UL Listed</i>	100-240 V 210-5002K5A*
<b>5-pk Hi/Low-flow Pump Kit*</b> includes 5 pumps, adjustable low flow holders, CPCs, Type A tube covers, cassette holders, single chargers, and 1 pelican case, <i>UL Listed</i>	100-240 V 210-5002K5DA
<b>Single Charger</b> for high-power and standard Li-Ion pumps	100-240 V 223-241
<b>Replacement 2-cell Li-Ion Battery Pack</b> , <i>UL Listed</i> when used with <i>UL Listed</i> XR5000 pump	P85002

\* AirChek XR5000 pumps with Li-Ion batteries may be subject to special shipping regulations dependent upon quantity.

## AirChek® XR5000 with Alkaline (Not Intrinsically Safe)

Description	Cat. No.
<b>Pump with 6 AA Batteries</b> , <i>not intrinsically safe</i>	210-5003
<b>5-pk Hi-flow Pump Kit</b> includes 5 pumps, cassette holders, and 1 carry case, <i>not intrinsically safe</i>	210-5003K5
<b>5-pk Hi/Low-flow Pump Kit</b> includes 5 pumps, adjustable low flow holders, CPCs, Type A tube covers, cassette holders, and 1 Pelican case, <i>not intrinsically safe</i>	210-5003K5D

## AirChek® XR5000 without Battery Pack

Description	Cat. No.
<b>AirChek XR5000 without Battery Pack</b> , <i>UL Listed</i> <i>Requires Battery Pack Cat. No. P85004 or P85002 for intrinsic safety</i>	210-5000NB

Contact SKC for information on accessories.