

SKC Universal Sample Pumps

The Extra Rugged, Extra Reliable
Extended Range Solution to Air Sampling



- Wide 5 to 5000 ml/min constant flow range
 - ATEX models flow from 5 to 4000 ml/min
- Built-in low flow pressure regulator for multi-tube sampling
- Extra rugged RFI/EMI-shielded case — CE marked
- UL Listed for intrinsic safety
- ATEX-approved models available
- Only 964 grams (34 ounces)
- The solution for industrial hygiene and environmental applications
- Three models available for a choice of features



Standard Universal Pump

Enhanced Universal Pump

Deluxe Universal Pump

For individual model features and ordering, see pages 21-22.



Universal XR Sample Pumps

25 Years of Rugged, Reliable Service!

Flows: 5 to 5000 ml/min

Approvals



Universal 44XR
The Economical Solution



Universal PCXR4
The Compliance Solution



Universal PCXR8
The Programmable Solution

Turn on and sample!

- ⊙ Economical
- ⊙ Basic operation
- ⊙ Convenient flow indicator
- ⊙ Designed for rugged industrial environments

Enhanced with additional features:

- ⊙ Automatic fault shutdown and time retention
 - Pump shuts down and retains sampling time when battery is low or there is excessive back pressure to ensure sample integrity
- ⊙ High-accuracy timer
 - Built-in timer provides instant readout of sampling duration. A convenient **hold** feature allows for breaks.

Enhanced with programmability!

- ⊙ Built-in high-accuracy timer
 - Sample duration readout and convenient **hold** feature
- ⊙ Automatic fault shutdown/time retention
 - Ensures sample integrity upon low battery or excess back pressure
- ⊙ Delayed start
 - Set number of minutes to elapse until sample start
- ⊙ Timed shutdown
 - Set number of minutes of operation until shutdown
- ⊙ Intermittent sampling
 - Extend short-term samples over an extended period to meet TWA requirements with fewer samples
- ⊙ Extended intermittent sampling up to 7 days — ideal for fence line monitoring!

زیست تجهیز پویش
(سهامی شادان)

آدرس: تهران - خ مطهری - خ فجر - ک افشار - پ ۱۸
 تلفن: ۸۸۸۲۶۷۷۳ - ۸۸۸۲۶۸۷۵ - فکس: ۸۸۸۲۶۷۹۱
 پست الکترونیکی: info@PooyeshEnviro.ir





Quick View

Universal XR Sample Pumps

Performance Profile

Flow Control Accuracy	Holds constant flow to $\pm 5\%$ of set point
Timing Accuracy	$\pm 0.05\%$ (± 45 seconds per day)
Typical Run Time	Battery: 12 hrs minimum at 4000 ml/min and 20 inches water back pressure, dependent on media used Battery Eliminator: Pump provides extended runs. PCXR4 and PCXR8 display rolls over to 0 upon reaching 9999 min
Charge Time <i>(varies with battery capacity and level of discharge)</i>	6 to 8.5 hrs with 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)
Operating Humidity Range	0 to 95% non-condensing
Timer Display Range	<i>PCXR4 and PCXR8 only:</i> 1 to 9999 min (6.8 days)
Timed Shutdown	<i>PCXR8 only:</i> User-selectable time of operation before automatic shutdown. Maximum setting is 9999 min (6.8 days)
Delay On	<i>PCXR8 only:</i> User-selectable time to delay test. Maximum setting is 9999 min (6.8 days)
Intermittent Sampling	<i>PCXR8 only:</i> User-selectable parameters to extend short-term samples over an extended period. Elapsed time maximum is 9999 min (6.8 days).
Flow and Low Battery Fault	<i>PCXR4 and PCXR8 only:</i> Pump shuts down, timing functions pause, time display is retained, and LCD indicates flow or low battery fault.
Dimensions	5.1 x 4.7 x 1.9 in (13 x 11.9 x 4.8 cm)

Ordering Information

Universal XR Sample Pumps

Sample pump with NiMH battery pack and screwdriver set. *Low flow (5 to 500 ml/min) requires Adjustable Low Flow Holder.*

	Cat. No.
PCXR8 Universal Sample Pump, <i>requires charger</i>	224-PCXR8
PCXR4 Universal Sample Pump, <i>requires charger</i>	224-PCXR4
44XR Universal Sample Pump, <i>requires charger</i>	224-44XR

Universal XR Starter Kits

Include pump with NiMH battery pack, single PowerFlex charger with cable, Tygon tubing (3 feet, 1/4-inch ID), and collar clip with cable tie

PCXR8 Starter Kit	100-240 V	224-PCXR8-S
PCXR4 Starter Kit	100-240 V	224-PCXR4-S
44XR Starter Kit	100-240 V	224-44XR-S

Single Pump Kits

Include sample pump with NiMH battery pack, single PowerFlex charger with cable, adjustable low flow holder attached to Type A protective tube cover, filter cassette holder, and screwdriver set, in a convenient soft-side nylon carry case†

PCXR8 Single Pump Kit	100-240 V	224-PCXR8KD
PCXR4 Single Pump Kit	100-240 V	224-PCXR4KD
PCXR4 Single Pump Kit with IOM, <i>does not include cassette holder</i>	100-240 V	224-PCXR4PK
44XR Single Pump Kit	100-240 V	224-44XRKD

5-pack Pump Kits

Include 5 sample pumps with NiMH battery packs, adjustable low flow holders attached to Type A protective tube covers, filter cassette holders, screwdriver sets, and one 5-station PowerFlex charger with 5 cables, in a Pelican case

PCXR8 5-pack Pump Kit	100-240 V	224-PCXR8K5D
PCXR4 5-pack Pump Kit	100-240 V	224-PCXR4K5D
44XR 5-pack Pump Kit	100-240 V	224-44XRK5D

Replacement Parts and Accessories

Replacement Battery Packs <i>Replacing batteries with non-approved battery packs voids any warranty and UL intrinsic safety approvals.</i>	NiMH for XR models*	P21661MH*
	NiCad for XR models*	P21661*
	NiCad for MSHA models	P22434
Battery Eliminator , connects pump to line power for extended sampling	115 V	223-325
	230 V	223-325B

* Not suitable for MSHA-approved models

† Single kits also available in hard-sided Pelican case. Contact SKC for ordering information.

Flow Rate (ml/min)	5 to 5000
Weight in Ounces (grams)	34 (964)
Compensation Range (inches water)	Up to 40 at 2 L
Built-in Timer/Clock	Timer — PCXR4 and PCXR8 only
Constant Flow	Yes
Programmable	PCXR8 only
PC-compatible	N/A
Multi-tube Sampling	Yes
Flow Fault Feature	PCXR4 and PCXR8 only
RF/EMI Shielded	Yes
Intrinsically Safe — UL Listed	Yes
MSHA-approved Models Available	Yes
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 (6.0 V, 3.5 Ah)
Battery Check	PCXR4 and PCXR8 only

Recommended Accessories

Chargers
Battery Eliminator
Defender Calibrator
Cat. No. 717-510M
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>.