

Universal XR Series Sample Pumps

Classic Workhorse from 5 ml/min to 5 L/min

Flows: 5 to 5000 ml/min

- ⊙ Constant flows from 1 to 5 L/min
- ⊙ Low flows with holder from 5 to 500 ml/min
- ⊙ Long run times — 12+ hours at 4000 ml/min, 20 inches water back pressure
- ⊙ Heavy duty and lightweight — only 34 ounces (964 grams)
- ⊙ Built-in low flow pressure regulator for multi-tube sampling
- ⊙ Choose the automatic features that meet your requirements
- ⊙ Professionals' choice since 1982

Certifications

Intrinsic safety: UL913, CAN/CSA C22.2
ATEX models available; contact SKC.

Other: CE, UKCA



Universal 44XR

The Economical Solution

Turn on and sample!

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



Universal PCXR4

The Compliance Solution

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.
- ⊙ **Convenient HOLD feature**
 - Allows for breaks



Universal PCXR8

The Programmable Solution

Enhanced with programmability!

- ⊙ **Built-in high-accuracy timer**
 - Sample duration readout
- ⊙ **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 fenceline monitoring!

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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 104 F (0 to 40 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 Pumps require 1/4-inch ID tubing.

Universal XR Sample Pumps		
Sample pump with NiMH battery pack and screwdriver set. <i>Low flow (5 to 500 ml/min) requires adjustable tube holder.</i>		
		Cat. No.
PCXR8, <i>requires charger</i>		224-PCXR8
PCXR4, <i>requires charger</i>		224-PCXR4
44XR, <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	100-240 V	224-PCXR8-S
PCXR4	100-240 V	224-PCXR4-S
44XR	100-240 V	224-44XR-S
Single High/Low Flow Pump Kits		
Include sample pump with NiMH battery pack, single PowerFlex charger with cable, adjustable tube holder, Type A protective tube cover, filter cassette holder, and screwdriver set, in a convenient soft-side nylon carry case†		
PCXR8	100-240 V	224-PCXR8KD
PCXR4	100-240 V	224-PCXR4KD
PCXR4 Single Pump Kit with IOM, <i>does not include cassette holder</i>	100-240 V	224-PCXR4PK
44XR	100-240 V	224-44XRKD
5-pack High/Low Flow Pump Kits		
Include 5 each sample pumps with NiMH battery packs, adjustable tube holders, Type A protective tube covers, filter cassette holders, and screwdriver sets, and one 5-station PowerFlex charger with 5 cables, in a hard-sided case		
PCXR8	100-240 V	224-PCXR8K5D
PCXR4	100-240 V	224-PCXR4K5D
44XR	100-240 V	224-44XRK5D
Replacement Parts and Accessories		
Replacement Battery Pack		
<i>Replacing batteries with non-approved battery packs voids any warranty and UL intrinsic safety approvals.</i>		
	NiMH for XR models*	P21661MH*
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 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	Contact SKC
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
Tubing	Requires 1/4-inch ID tubing

Recommended Accessories	
Chargers	
Battery Eliminator	
Adjustable Tube Holders	
Filter Holders	
Tubing	
Cases/Pouches	