



Universal XR Series

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



KEY FEATURES

- Constant flows from 1 to 5 L/min
- Low flows from 5 to 500 ml/min for single and multiple-tube sampling
- Requires adjustable tube holder
- Long run times – 12+ hours at 4000 ml/min, 20 inches water back pressure
- Heavy duty and lightweight – only 34 ounces (964 grams)
- Choose the automatic features that meet your requirements
- Professionals' choice since 1982

Universal 44XR

The Economical Solution

- Turn on and sample!
- Basic operation
- Convenient flow indicator
- Designed for rugged industrial environments

Universal PCXR4

The Compliance Solution

- Automatic fault shutdown and time retention
 - To ensure sample integrity, the pump shuts down and retains sampling time when battery is low or there is excessive back pressure
- High-accuracy timer
 - Built-in timer provides instant readout of sampling duration
- Convenient HOLD feature
 - Allows for breaks

Universal PCXR8

The Programmable Solution

- 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
 - Extended 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



Universal 44XR

Universal PCXR4

Universal PCXR8

CERTIFICATIONS

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

SKC Universal XR Series Sample Pumps are the true workhorses of the industry and found in most air sampling toolboxes. Rugged and versatile Universal XR Series Sample Pumps are two pumps in one! Their proven technology provides constant flows from 1 to 5 L/min for use with filter cassettes, size-selective samplers, and impingers. The built-in regulator used with an Adjustable Low Flow Tube Holder is ideal for sampling with sorbent tubes from 5 to 500 ml/min. Three Universal XR models offer different feature sets to meet your applications and budget.



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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	• 6 to 8.5 hrs with PowerFlex charger (<i>varies with battery capacity and level of discharge</i>)
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	• PCXR4 and PCXR8 only: 1 to 9999 min (6.8 days)
Timed Shutdown	• PCXR8 only: User-selectable time of operation before automatic shutdown. Maximum setting is 9999 min (6.8 days)
Delay On	• Description PCXR8 only: User-selectable time to delay test. Maximum setting is 9999 min (6.8 days)
Intermittent Sampling	• PCXR8 only: User-selectable parameters to extend short-term samples over extended period. Elapsed time maximum is 9999 min (6.8 days)
Flow and Low Battery Fault	• PCXR4 and PCXR8 only: 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)
Weight	• 34 oz (964 gm)
Tubing	• Requires 1/4-inch ID tubing

ORDERING

Universal 44XR Series Available as Cat. No.

224-44XR	Universal 44XR Pump with NiMH Battery Pack and Screwdriver Set
224-44XR-S	Starter Pump Kit
224-44XRKD	Single High/Low Flow Pump Kit
224-44XRK5D	5-Pack High/Low Flow Pump Kit

Universal PCXR4 Series Available as Cat. No.

224-PCXR4	Universal PCXR4 Pump with NiMH Battery Pack and Screwdriver Set
224-PCXR4-S	Starter Pump Kit
224-PCXR4KD	Single High/Low Flow Pump Kit
224-PCXR4K5D	5-pack High/Low Flow Pump Kit

Universal PCXR8 Series Available as Cat. No.

224-PCXR8	Universal PCXR8 Pump with NiMH Battery Pack and Screwdriver Set
224-PCXR8-S	Starter Pump Kit
224-PCXR8KD	Single High/Low Flow Pump Kit
224-PCXR8K5D	5-pack High-Low Flow Pump Kit

Recommended Accessories

P21661MH*#	Replacement NiMH Battery Pack
223-325	Battery Eliminator, 115 V
223-325B#	Battery Eliminator, 230 V

*MSHA-approved Models require Cat. No. P224434 4.8 V, 2.0 Ah NiCad Battery Pack

For use with US-produced pump models only; not compatible with EX or ATEX models



For details and additional kits and accessories,
visit the [Universal Series](#) on our website.