SKC

All-in-One

Low Flow Adapter/Single Tube Holder

Single Tube Holder

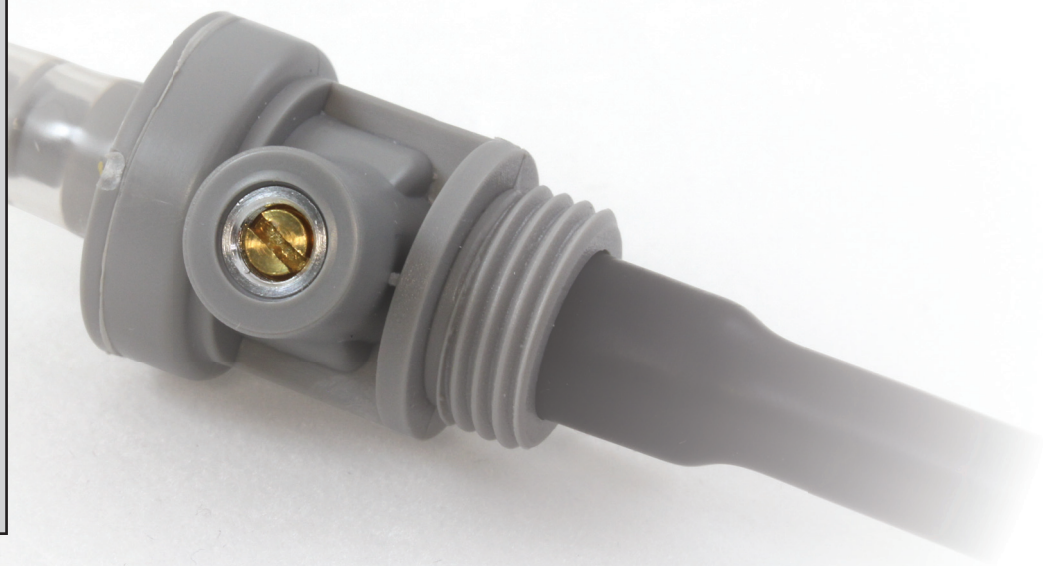
+

Flow Adjust Screw

+

Built-in CPC for
Flow Stability

All-in-One!



It's ALL you need for single-tube sampling with AirChek® Series and AirLite® sample pumps!

See instructions on reverse side.

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Operating Instructions

SKC All-in-One Low Flow Adapter/Single Tube Holder

Cat. No. 224-27

Introduction

The SKC All-in-One replaces the SKC Single Adjustable Low Flow Tube Holder and CPC for single-tube sampling with AirChek Series and AirLite sample pumps. All required single-tube low flow sampling accessories are included in one compact holder. The built-in CPC maintains a constant pressure across the holder's needle valve for flow stability.

All-in-One Low Flow Adapter/Single Tube Holder with built-in CPC connected to AirChek TOUCH sample pump

Operation

See Notes before calibrating and sampling.

1. Set pump flow rate to 1.5 L/min. *See pump operating instructions*.
2. Attach Tygon tubing to pump inlet.
3. Break tips off the sorbent tube to be used for calibration and insert into rubber sleeve on holder (arrow on tube pointing toward pump).
4. Use a calibrator to calibrate (set) flow rate through the sorbent tube. Use a small flat-head screwdriver to turn flow adjust screw on holder (counterclockwise to increase flow, clockwise to decrease flow). *See pump operating instructions for details.*
5. Remove tube used for calibration and repeat Step 3 using a clean, labeled tube for sampling.
6. Thread protective tube cover onto holder's threaded fitting.
7. Use cover's collar clip to attach holder on clothing in the breathing zone.
8. Sample for the desired time.
9. When sampling is complete, remove sample sorbent tube and cap. Insert sorbent tube used for calibration into sleeve on holder. Use calibrator to verify flow rate has remained within ± 5% of the set flow.

Notes

- Do not shut off flow completely with flow adjust screw or use an oversized screwdriver to adjust flow; valve or thread seat damage may result.
- Ensure sorbent tube fits snugly in rubber sleeve prior to sampling to avoid any air leakage. Two sleeves, each a different inner diameter (ID), are supplied.
- Calibrate before each sampling operation using the tube holder and pump to be used for sampling.
- If the pump flow faults shortly after the holder tubing is attached in Step 2, check that the needle valve is open by using a small flat-head screwdriver to turn the flow adjust screw on the holder **slightly** counterclockwise. If flow fault continues, check that the two small holes on the bottom of the built-in CPC are not blocked. *See related bullet below*.
- Two small holes on the bottom of the built-in CPC can become blocked. Periodically inspect. Clean, if needed, with a small pick and blow particles away with a puff of air.

  For more information, see SKC Sample Setup Guides at www.skcinc.com/knowledgecenter.

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 skcinc.com/warranty.