

ABOUT

Impingers

Impingers are used with an air sample pump to collect airborne hazards in a method-specific liquid medium. Airborne concentrations are determined by analyzing the liquid. SKC glass impingers comply with MDHS 57 and 56/2 and meet the specifications of OSHA ID 126SG and ID 202 and NIOSH 7904 and 3511. For personal exposure measurement, impingers mount in a holster accessory near the breathing zone. For area monitoring, impingers mount on the side of a pump with a holder accessory. SKC offers impingers in glass or Teflon to meet your applications.

Tech Tips

► Use a trap with impingers to prevent impinger liquid from being drawn into the sample pump. Solid sorbents may be added to the trap when using a volatile liquid to protect the pump chamber from vapors.



Impinger and trap in holder mounted on Universal Deluxe Sample Pump



Two Teflon Impingers (Cat. No. 225-0021) with two 180-degree tube bends (Cat. No. 225-0022)

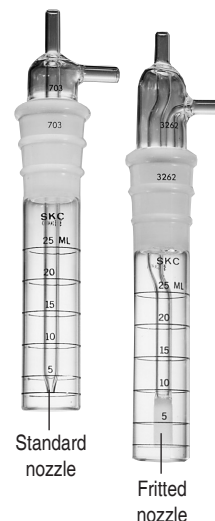
Glass Midget Impingers For Collecting Airborne Hazards into Liquids

SKC impingers have graduations that are accurate to within ± 0.5 ml for each increment. SKC glass impingers have serial numbers on both sections to assist with sample identification and to ensure proper part matching.

Standard Midget Impinger has a 25-ml capacity with graduations in 5-ml increments. The nozzle is precisely placed to ensure proper collection.

Special Midget Impinger with Fritted Nozzle is a modified standard midget with a special fritted nozzle to increase contact between the air sample and the liquid. Many NIOSH and OSHA procedures call for this type of bubbler impinger.

Spill-resistant Midget Impinger is constructed to prevent liquid from spilling should it be tipped or turned upside down. A special outlet side arm extends midway down with sufficient capacity above to handle all the liquid.



Glass Midget Impinger	Cat. No.
Standard Midget , 25 ml, standard nozzle	225-36-1
Special Midget , 25 ml, fritted nozzle	225-36-2
Spill-resistant Midget , 25 ml, standard nozzle	225-36-4
Spill-resistant Midget , 25 ml, fritted nozzle	225-36-5
Glass Midget Impinger Accessories	
Trap for Midget Impingers , glass trap for area sampling, can be used with or without sorbent, see photo below left	225-22
In-line Plastic Traps with sorbent to remove vapors, pk/3	225-22-01
Replacement Trap Sorbent , 200 gm, to remove vapors, for use in 225-22 and 225-22-01	225-22-02
Holster , thick vinyl fabric with a clip for attachment to clothing	225-20*
Holders , for attaching to air sample pump, see photo below left.	
Single , stainless steel, for 1 impinger or 1 trap	225-20-01*
Double , stainless steel, for 2 impingers or impinger and trap	225-20-02*

* Not suitable for Teflon impingers.

Teflon Midget Impingers For Collecting Airborne Hazards into Liquids

Made of Teflon PFA (fluoropolymer), these 60-ml unbreakable vessels are inert to virtually all chemicals and perform well in both high temperature and cryogenic applications. Available in two different port configurations, the transfer caps and ferrule nuts provide a leak-tight seal. See photos at left.

Teflon Midget Impinger	Cat. No.
Impinger with 1-pc Molded Transfer Cap , 60-ml capacity, with a 1/4-in vertical port and a 1/4-in side port for horizontal connections; includes ferrule nuts.	225-0020
Impinger with Port Transfer Cap , 60-ml capacity, with 2 vertical 1/4-in port for close assembly of sampling train; includes ferrule nuts.	225-0021
Teflon Midget Impinger Accessories	
Single Holder for Teflon Impinger , stainless steel, attaches to sample pump	225-0026
Holster for Teflon Impinger* , vinyl, with clip, for attaching to clothing	225-0027*
In-line Plastic Traps , with sorbent to remove vapors, pk/3	225-22-01
Replacement Trap Sorbent , 200 gm, to remove vapors, for use in 225-22-01	225-22-02
Teflon Tube Bend with 180-degree Bend , 1/4-in dia. x 8-in L, used to connect 2 Teflon impingers, for use with Cat. No. 225-0021 only	225-0022
Teflon Tube Bend with 90-degree Bend , 1/4-in dia. x 6-in L, used to connect 2 Teflon impingers, for use with Cat. No. 225-0021 only	225-0023

* Not suitable for glass impingers.



Organic Vapors

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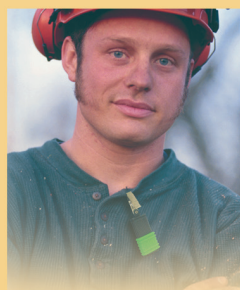
Low-level VOCs

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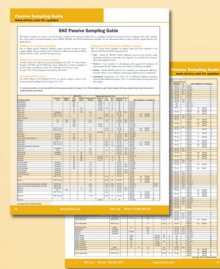
Inorganic Mercury

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Formaldehyde

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**Passive
Sampling Guide**

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