

INSTRUCTIONS FOR USE

SKC Impinger Traps 225-22 and 225-22-01

Fitting the SKC glass trap 225-22 and the in-line plastic trap 225-22-01 between a midget impinger and the sample pump, packing the glass trap with sorbent for solvent vapours, and changing the sorbent.

AMTC-IN-0044

About this document

An SKC impinger trap sits in the sampling train between a midget impinger and the sample pump. It catches impinger liquid, and with sorbent also solvent vapour, before either can reach the pump and damage it. These instructions cover the glass trap 225-22 and the in-line plastic trap 225-22-01.

Product and supplied items (p. 5) tells you which trap and which accessories to use. Before use (p. 6) shows how to fit each trap into the sampling train and how to pack the glass trap with sorbent for volatile liquids. Procedure (p. 8) says when to change the sorbent. Filling the impinger, choosing the collection liquid and setting the flow rate are not covered; follow the method you sample to and the instructions for your impinger and pump.

Keep these instructions for the lifetime of the product. The current revision is on the product page at analyt-mtc.com.

How these instructions mark information

⚠ CAUTION

A hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

Practices not related to personal injury — damage to the product, the process or the sample.

Note

Information that helps understanding; never a hazard.

Document information

Title	SKC Impinger Traps 225-22 and 225-22-01 — Instructions for use
Document number	AMTC-IN-0044
Revision	Rev. 2 — October 2026
Applies to	SKC glass impinger trap 225-22, SKC in-line plastic trap 225-22-01 and SKC trap sorbent 225-22-02
Language	English
Manufacturer	SKC Inc.

Revision history

Rev.	Date	Change
2	October 2026	Quality programme: new document type, number and identity pages.
1	October 2026	First issue.

SKC is a trademark of its owner. Information in these instructions is subject to change without notice. © 2026 ANALYT-MTC Messtechnik GmbH. All rights reserved.

Contents

1 **Safety** 4
- Intended use 4
- Safety messages 4

2 **Product and supplied items** 5
- Traps and sorbent 5
- Holders for the glass trap 5

3 **Before use** 6
- Where the trap goes 6
- As a liquid trap 6
- As a liquid and vapour trap 6

4 **Procedure** 8
- Changing the sorbent 8

5 **Ordering information** 9

6 **Service and contacts** 10
- Disposal 10

CHAPTER 1

Safety

Read the safety messages in this chapter before you use a trap. Each message appears again at the step it belongs to.

Intended use

The SKC impinger traps 225-22 (glass) and 225-22-01 (in-line plastic) are made for sampling trains with midget impingers. Fitted between the impinger and the sample pump, a trap keeps impinger liquid, and with sorbent also vapour, from entering and damaging the pump.

Safety messages

⚠ CAUTION

Pushing in the glass wool and the sorbent can break the interior glass tube of the trap, and broken glass can cut you. Take care when you push in the glass wool and the sorbent.

NOTICE

Sorbent that has taken up its load lets volatile vapour through to the pump. This can damage the pump. Change the sorbent every day while you trap volatile vapours.

CHAPTER 2

Product and supplied items

Both traps are made for midget impingers. They protect the sample pump: liquid carried over from the impinger, and vapour from a volatile collection liquid, stay in the trap instead of entering the pump.

Traps and sorbent

Item	What it is	Order code
Glass trap	Glass body with a bottom screw cap, supplied empty. Use it empty to catch liquid, or pack it with sorbent to catch vapour as well. Mounts in an impinger holder.	225-22
In-line plastic trap	Plastic trap that sits in the tubing, filled with silica gel/activated charcoal sorbent, which can be replaced. Pack of 3.	225-22-01
Trap sorbent	Silica gel/activated charcoal mix, 200 g. Suits both the glass and the plastic trap.	225-22-02

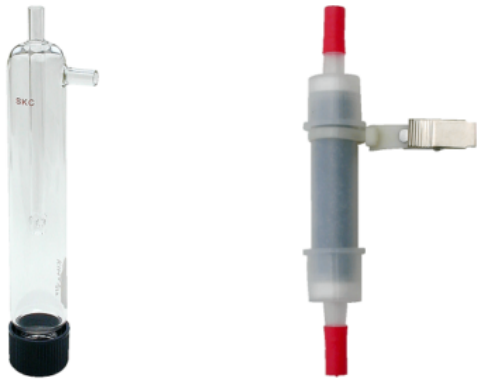


Figure 2-1. Left: glass trap 225-22. Right: in-line plastic trap 225-22-01.

Holders for the glass trap

The glass trap stands in a standard SKC impinger holder:

Holder	Order code
Single holder: takes one impinger or the trap	225-20-01, 225-20-05
Double holder: takes two impingers, or one impinger and the trap	225-20-02, 225-20-03

The plastic trap needs no holder; it sits in the tubing.

CHAPTER 3

Before use

Use a trap empty when only liquid could reach the pump. When the impinger holds a volatile liquid, such as a solvent, pack the glass trap with sorbent as well, so that it also holds back the vapour.

Where the trap goes

Air flows from the impinger, through the trap, to the pump. The trap connects to the impinger outlet on one side and to the pump inlet on the other.



Figure 3-1. The sampling train with a trap.

> **Note**
> Fit the trap in the sampling train between the impinger and the pump.

As a liquid trap

Glass trap 225-22

1. Leave the trap empty and stand it in one of the holders listed in Holders for the glass trap (p. 5).
2. Connect the top centre tube of the trap to the outlet of the impinger.
3. Connect the side arm of the trap to the inlet of the sample pump.

At flow rates of 2 to 3 L/min, use tubing of ¼ inch inside diameter throughout the sampling train.

In-line plastic trap 225-22-01

1. Connect the trap in line with the tubing between the impinger and the pump.

As a liquid and vapour trap

Glass trap 225-22

You need glass wool and trap sorbent; SKC trap sorbent 225-22-02 suits most applications. Figure 3-2 shows the packed trap.

> **CAUTION**
> Pushing in the glass wool and the sorbent can break the interior glass tube of the trap, and broken glass can cut you. Take care when you push in the glass wool and the sorbent.

1. Unscrew the cap at the bottom of the trap.
2. Push a small amount of glass wool into the trap so that it surrounds the inner opening of the side-arm tube.
3. Pour in the trap sorbent to a depth of about 25 mm (1 inch).
4. Push in a second plug of glass wool to hold the sorbent in the upper part of the trap.
5. Screw the cap back on.
6. Fit the trap into the sampling train as described for the liquid trap: top centre tube to the impinger, side arm to the pump.

The lower part of the trap captures liquid, and the sorbent in the upper part captures vapour.

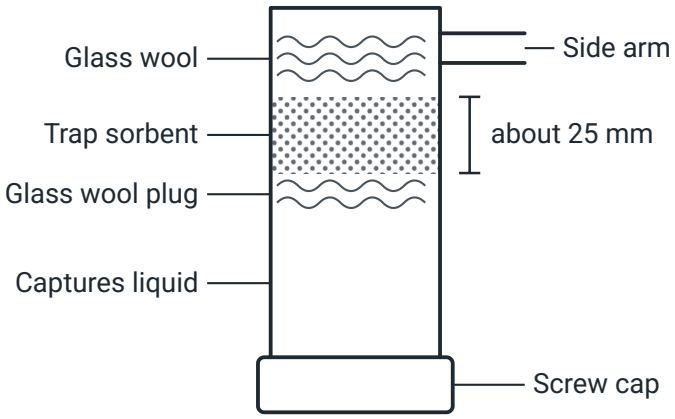


Figure 3-2. Order of the layers in the glass trap packed as a liquid and vapour trap (schematic, not to scale).

In-line plastic trap 225-22-01

The plastic trap has replaceable sorbent. Connect it in line with the tubing between the impinger and the pump, the same as when it is used as a liquid trap.

CHAPTER 4

Procedure

Changing the sorbent

NOTICE

Sorbent that has taken up its load lets volatile vapour through to the pump. This can damage the pump. Change the sorbent every day while you trap volatile vapours.

SKC trap sorbent 225-22-02 suits both the glass trap and the in-line plastic trap. The glass trap is packed as described in As a liquid and vapour trap (p. 6); the sorbent there is the part to replace.

CHAPTER 5

Ordering information

Order from Analyt-MTC with the order codes.

The order codes of the traps, the trap sorbent and the holders are listed in Product and supplied items (p. 5). Traps, trap sorbent, impingers and holders are all ordered from Analyt-MTC.

CHAPTER 6

Service and contacts

Contact and support

ANALYT-MTC Messtechnik GmbH

German Headquarters

Klosterrunsstraße 18, 79379 Müllheim
Germany

+49 7631 5545

info@analyt-mtc.de

French Subsidiary

175 Avenue d'Alsace, 68000 Colmar
France

+33 3 89 41 47 78

info@analyt-mtc.fr

www.analyt-mtc.com

Before you call

Have the following at hand so that Analyt-MTC can help you quickly:

- the catalogue number of the trap, 225-22 or 225-22-01;
- the impinger, holder and sample pump you use it with;
- the liquid in the impinger and your flow rate.

Analyt-MTC handles technical questions, warranty matters and returns under its terms of sale; the Analyt-MTC contact details are above and on the back cover.

Disposal

Dispose of the trap under local regulations; separate metal, glass and plastic parts for recycling where possible.

ANALYT-MTC Messtechnik GmbH

Sales, service and calibration

German Headquarters
Klosterrunsstraße 18, 79379 Müllheim
Germany
+49 7631 5545
info@analyt-mtc.de

French Subsidiary
175 Avenue d'Alsace, 68000 Colmar
France
+33 3 89 41 47 78
info@analyt-mtc.fr

www.analyt-mtc.com

AMTC-IN-0044 · Rev. 2 · 2026-10

© 2026 ANALYT-MTC Messtechnik GmbH. All rights reserved. Subject to technical changes without notice.