ANALYT MESSTECHNIK



INSTRUCTIONS FOR USE

SKC Sampling Mast for Flite and MCS Series Pumps

Fitting the rigid aluminium sampling masts 901-213 and 901-214 to SKC Flite and MCS series pumps, and mounting the cowled asbestos sampling head 225-54 or 225-54A on top.

AMTC-IN-0002

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About this document

A sampling mast carries the sampling head of an SKC Flite or MCS series pump up to 1 m above the pump inlet. These instructions show how to fit the rigid aluminium masts 901-213 and 901-214 to the pump, and how to mount the cowled asbestos sampling head 225-54 or 225-54A on top of the mast.

Fit the mast first, as in Fit the mast to the pump (p. 6), then the head, as in Fitting the sampling head (p. 7). Setting the flow rate, calibration and running a sample are covered in the operating manual of your 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

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 Sampling Mast for Flite and MCS Series Pumps — Instructions for use
Document number	AMTC-IN-0002
Revision	Rev. 2 — October 2026
Applies to	SKC rigid aluminium sampling masts 901-213 (two-piece) and 901-214 (four-piece), on SKC Flite and MCS series pumps
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.

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CHAPTER 1

Safety

Read the safety message in this chapter before you fit the mast. It appears again in the chapter where its step is described.

Intended use

The rigid aluminium sampling masts 901-213 and 901-214 fit SKC Flite and MCS series pumps. They carry the cowled asbestos sampling head 225-54 or 225-54A up to 1 m above the pump inlet.

Safety messages

NOTICE

Tighten by hand only. Without the O ring in the female thread, a joint is not sealed. Before each joint, check that the O ring is in place. Screw every joint firmly hand-tight, but do not force it.

CHAPTER 2

Product and supplied items

The two masts

Both masts are rigid aluminium, reach 1 m when fully assembled and end in a bent section that carries the sampling head. They differ only in the number of straight sections.

Order code	Mast	Sections
901-213	Two-piece sampling mast	1 straight section, 1 bent section
901-214	Four-piece sampling mast	3 straight sections, 1 bent section

Each section has a female thread at its lower end with an O ring inside. The lowest straight section screws onto the threaded bulkhead connector of the pump inlet; the bent section has a male thread at its top end for the sampling head.

CHAPTER 3

Before use

Fit the mast to the pump

NOTICE

Tighten by hand only. Without the O ring in the female thread, a joint is not sealed. Before each joint, check that the O ring is in place. Screw every joint firmly hand-tight, but do not force it.

Note

You do not have to use the full 1 m. Decide on the sampling height first and fit only the sections you need to reach it. The bent section always goes on top, because the sampling head screws onto it.

1. Unscrew the inlet hose nipple from the pump and remove it (Figure 3-1 (p. 6)). The threaded bulkhead connector of the pump inlet is now free.
2. Take a straight section and check that the O ring sits in its female thread.
3. Screw the straight section onto the bulkhead connector until it is firmly hand-tight (Figure 3-2 (p. 6)).
4. **901-214 only:** check the O ring in each of the two other straight sections.
5. **901-214 only:** screw the two other straight sections one after the other onto the first straight section.
6. Take the bent section and check its O ring.
7. Screw the bent section onto the top straight section (Figure 3-3 (p. 6)).



Figure 3-1. Inlet hose nipple removed from the pump inlet (SKC Flite 4 shown).



Figure 3-2. First straight section fitted.



Figure 3-3. Complete mast with the bent section on top.

Fitting the sampling head

The mast takes the cowled asbestos sampling head 225-54 (plastic cowl) or 225-54A (aluminium cowl). Before it goes on the mast, take the hose nipple, the metal bracket and the plastic sealing washer off the head; it then screws straight onto the male thread at the top of the bent section, which hangs it with its inlet facing down.

Prepare the head

1. Unscrew the hose nipple from the sampling head.
2. Take off the metal bracket and the plastic sealing washer (Figure 3-4 (p. 7)).

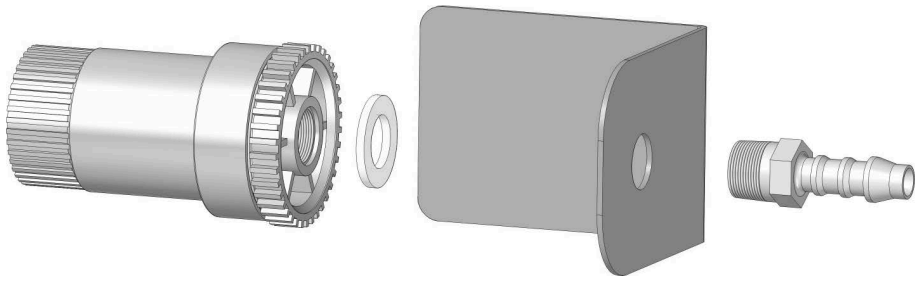


Figure 3-4. Parts to remove from the head, left to right: sampling head (kept), plastic sealing washer, metal bracket, hose nipple.

Mount the head on the mast

Screw the threaded hole of the head onto the male thread at the top of the mast until it is firmly hand-tight (Figure 3-5 (p. 7)). Do not force it.

The mast and head are now ready. Set the flow rate, calibrate and start the sample as described in the operating manual of your pump and in the sampling method you follow.



Figure 3-5. Sampling head mounted on the bent section.

CHAPTER 4

Ordering information

Order from Analyt-MTC with the order codes.

The masts and sampling heads are listed below; contact details are in Service and contacts (p. 9).

Item	Order code
Rigid aluminium sampling mast, two-piece	901-213
Rigid aluminium sampling mast, four-piece	901-214
Asbestos sampling head with plastic cowl	225-54
Asbestos sampling head with aluminium cowl	225-54A

CHAPTER 5

Service and contacts

Contact and support

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Before you call

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

- the part number of the mast (901-213 or 901-214) and of the sampling head;
- the model and serial number of the pump;
- which part is missing, damaged or does not fit.

Contact Analyt-MTC for spare parts, replacement mast sections, sampling heads, technical support and warranty matters for your SKC sampling mast and pump. Quote the part numbers in Ordering information (p. 8) when you order. Analyt-MTC's contact details are above and on the back cover.

Disposal

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

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