Replace Inlet Valve K9 and install Inlet Valves V9-ImA, V9-ImB, and V9-ImS

Installation Instructions

Scope

This document describes how to replace Inlet Valve **K9**, and install Inlet Valves **V9-ImA**, **V9-ImB**, and **V9-ImS** on ÄKTA™ go systems.

Location

Optional inlet valves **V9-ImA**, **V9-ImB**, and **V9-ImS** can be installed on an empty module space or an extension box. Installation of a module on an extension box is similar to the installation on the chassis of the instrument. See the *Extension box instruction* for more information.

Instruction

Follow the steps below to replace or install a module or module panel. Module panels must be used in positions not occupied by modules.

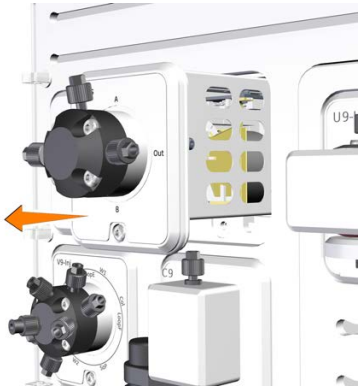
Note: *The illustrations show the principle of how to replace and install a module. The position of the module on the instrument and the type of module used will depend on the module being installed.*

CAUTION

Disconnect power. Always switch off power to the ÄKTA go instrument before replacing any of its components, unless otherwise stated in the user documentation.

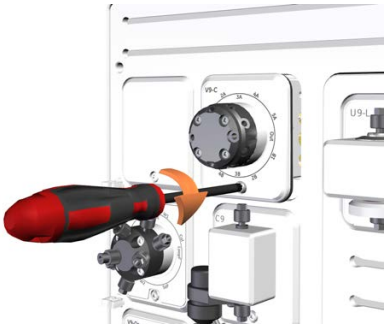
Step	Action
1	Disconnect power from the instrument by using the instrument power button.
2	If a module is to be replaced, loosen the tubing connectors and remove the tubing from the existing module.
3	Loosen the screw in the module or module panel with a Torx™ T20 screwdriver.

Step	Action
4	Remove the module or module panel and disconnect the cable at the back.



Step	Action
5	Connect the cable to the new module or module panel.

6	Insert the module or module panel and fasten it with a Torx T20 screwdriver.

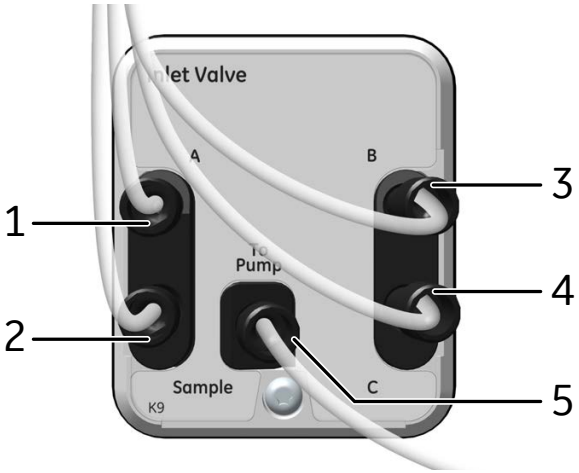


Note: *When a module is removed or a new module is installed, the system configuration must be updated in UNICORN™ system control software. See* *Software configuration, on page 7* *for instructions.*

Connect tubing

Inlet Valve K9

The illustration shows Inlet Valve **K9**.

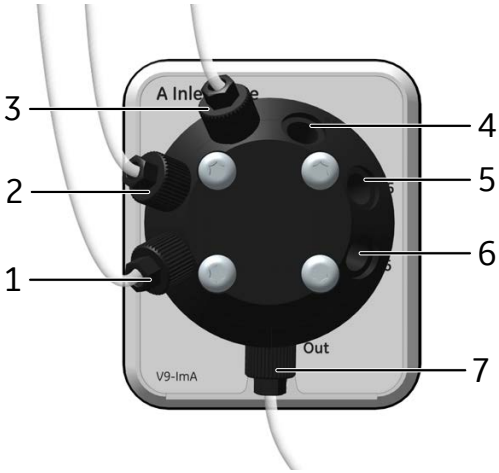


Part	Function	Tubing length
1	Buffer inlet **A**, to connect tubing from a buffer bottle.[1]	1250 mm
2	**Sample** inlet, to connect tubing from a sample bottle.[1]	1250 mm
3	Buffer inlet **B**, to connect tubing from a buffer bottle.[1]	1250 mm
4	Inlet **C**, to connect tubing from a cleaning solution.	1250 mm
5	Outlet **To Pump**, to connect tubing between the inlet valve and the pump.	280 mm

[1] To connect an optional inlet valve to Inlet Valve **K9**, check the corresponding inlet valve tubing connection and length.

Inlet Valves V9-ImA and V9-ImB

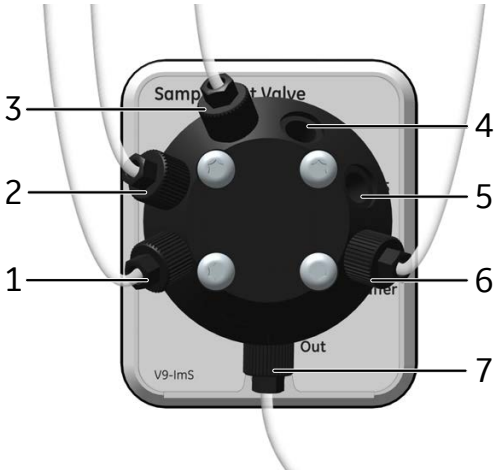
The illustration shows the ports and connected tubing in Inlet Valves **V9-ImA** and **V9-ImB**, in this example labelled **V9-ImA**.



Part	Description	Tubing length
1-6	Buffer inlets **A1-A6** or **B1-B6**	1250 mm
7	Outlet to inlet **A** or inlet **B** in Inlet Valve **K9**	Adjust to suitable length. (Max. 300 mm)

Inlet Valve V9-ImS

The illustration shows Sample Inlet Valve **V9-ImS**.



Part	Description	Tubing length
1-5	Sample inlets **S1-S5**	Optimize after placement of sample flask.
6	**Buffer** inlet	1250 mm
7	Outlet to inlet **Sample** in Inlet Valve **K9**	Adjust to suitable length. (Max. 300 mm)

Specifications

The table shows the tubing and connector specifications for the inlet valves **K9**, **V9-ImA**, **V9-ImB**, and **V9-ImS**.

Part	Description
Tubing	FEP, o.d. 1/8", i.d. 1.6 mm
Connector	Tubing connector, 1/8" with Ferrule (yellow)

Node ID

All modules have a pre-configured Node ID according to their function. The Node ID is used by the instrument to distinguish between several units of the same type.

The Node ID for the inlet valves is shown in the table below. Check the Node ID of the module when troubleshooting. See the *User Manual* of your instrument for more information.

Module	Node ID
Inlet Valve **K9**	0
Inlet Valve **V9-ImA**	27
Inlet Valve **V9-ImB**	28
Inlet Valve **V9-ImS**	29

Note: *The function of a module is defined by the module type and the Node ID, not by its physical position.*

Software configuration

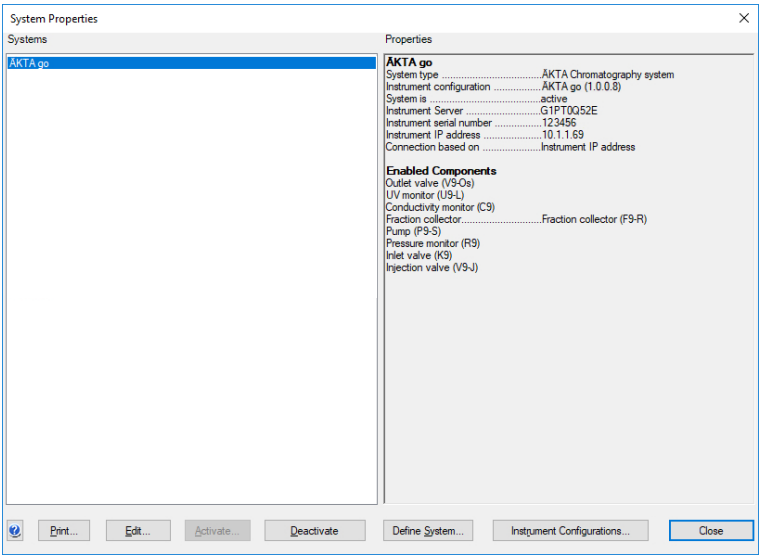
Instruction

If a module is removed or a new module is installed, follow the steps below to update the system configuration in UNICORN.

Note: *Replacement of a module does not require system configuration.*

Step	Action
1	On the ***Tools*** menu in the ***Administration*** module, click ***System Properties*** or click the ***System Properties*** icon to open the dialog. *Result:* The ***System Properties*** dialog is displayed.

Step	Action

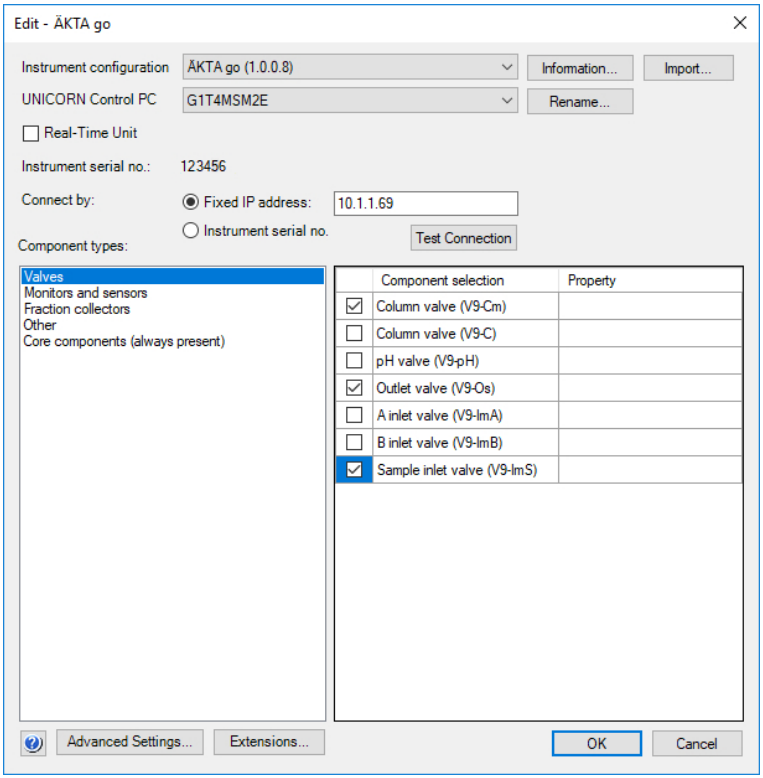


2 Select the system of interest in the ***System Properties*** dialog and click ***Edit***.

Result:

The ***Edit*** dialog is displayed. The ÄKTA go dialog is shown in the example below.

Step	Action



Note:

Only active systems can be edited.

3 Select ***Valves*** from the ***Component types*** list.

Result:

All available valves are shown in the ***Component selection*** list.

Note:

Instrument modules are referred to as ***Components*** *in UNICORN.*

4 Select the appropriate inlet valve checkbox and click ***OK*** to apply the changes.

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