

Extension Box

Instructions

Introduction

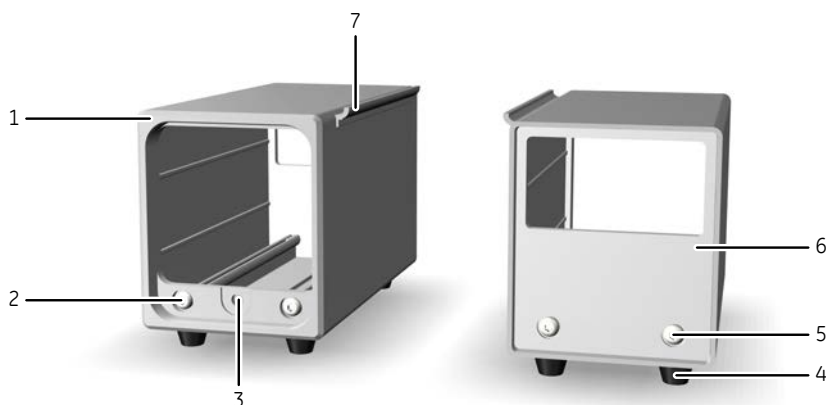
The Extension Box allows installation of additional modules outside the instrument chassis on ÄKTA™ avant, ÄKTA pure, and ÄKTA pilot 600. Use the Extension Box to add modules when all available positions on the instrument chassis are occupied.

Scope

This document provides instructions for assembling an Extension Box and installing additional modules in the Extension Box.

Illustration of the Extension Box

This illustration shows the front and back of the Extension Box.



Part	Function
1	Front
2	Front screw
3	Module screw hole
4	Feet
5	Back screw
6	Back
7	Hanger

Location

The Extension Box can be placed in various locations as listed in the table below. See the documentation for the respective instruments for more information.

Location	ÄKTA avant	ÄKTA pure	ÄKTA pilot 600
On the side of the instrument		x	
On top of the instrument ¹	x	x	
On the bench beside the instrument ¹	x	x	x
On a Rail Extension Rod	x	x	
On an Extension stand			x

¹ Take care that the Extension Box is securely placed.

Modules

Modules that can be installed in the Extension Box are listed below.

Instrument	Modules
ÄKTA avant and ÄKTA pure	<ul style="list-style-type: none">Any V9 or V9H valveMixer (M9)UV monitor (U9-L)Conductivity monitor (C9)
ÄKTA pilot 600	<ul style="list-style-type: none">Inlet valveOutlet valveConductivity monitorMixer valveMixer

Protection class

Modules installed in an Extension Box will have protection class IP21, regardless of the instrument classification.

Assemble the Extension Box

Required materials

The following tools are required to assemble the Extension Box.

- Torx™ T20 screwdriver

Assembly

Follow the steps below to assemble the Extension Box.

Step	Action
1	<p>Attach the front to the main body of the Extension Box so that the Extension Box hanger is on the left or right side of the Extension Box as required. The front can be attached on either side of the box. In the illustration below, the front is attached with the hanger on the right (so that the Extension Box can be mounted on the left side of the instrument or Extension stand).</p> <p>Tighten the screws with a Torx T20 screwdriver.</p>



2	<p>Attach the back to the other end of the Extension Box.</p> <p>Tighten the screws with a Torx T20 screwdriver.</p>
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3	<p>If the Extension Box will be placed on top of or next to the instrument, attach the adhesive feet to the bottom of the Extension Box.</p>
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Step	Action
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Install a module

Fit the module in the Extension Box

Follow the steps below to fit the module in the Extension Box. The illustrations show an ÄKTA pilot 600 Conductivity module. All modules for all instruments are fitted in the same way.

Step	Action
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- | | |
|---|---|
| 1 | Insert the module from the front of the Extension Box, with the attachment screw towards the bottom. Make sure that the O-ring is properly seated between the Extension Box and the module front. |
|---|---|



- | | |
|---|---|
| 2 | Tighten the attachment screw with a Torx T20 screwdriver (for ÄKTA avant and ÄKTA pure) or a 7 mm socket tool (for ÄKTA pilot 600). |
|---|---|

Step	Action
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Connect the module to the instrument



CAUTION

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

Follow the steps below to connect the module to the instrument.

Step	Action
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- | | |
|---|---|
| 1 | Connect a UniNet-9 cable of suitable length to the back of the module. Two cables of different lengths are included with the Extension Box. |
| 2 | Remove the jumper from an unused UniNet-9 connector on the back of the instrument and connect the cable. |

Connect the module in the flow path

Step	Action
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- | | |
|---|--|
| 1 | Read the installation instruction for the inserted module. |
| 2 | Connect the module inserted in the Extension Box to the flow path as described in respective module instruction. |

Add the module to the system configuration

Add the module to the system configuration in UNICORN™ software. See the module installation instructions or the UNICORN documentation for more details.



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