

2nd Sample Stream Option Installation Instruction for:

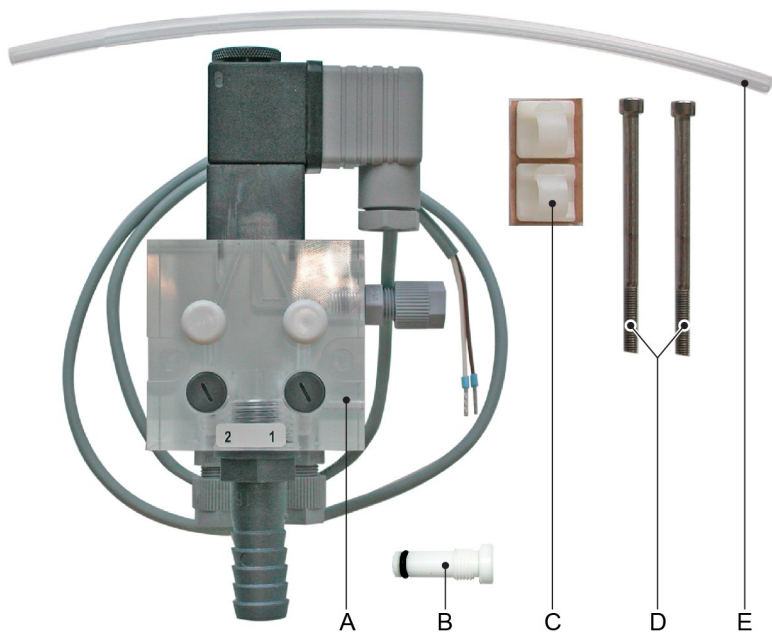
- **AMI Sodium A**

A-83.590.044

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Analytical Instruments

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Overview 2nd Sample Stream Option for AMI Sodium A



- A Block housing with solenoid valve
- B Blind plug
- C Cable holder
- D Fixing screws
- E Connection pipe

Note

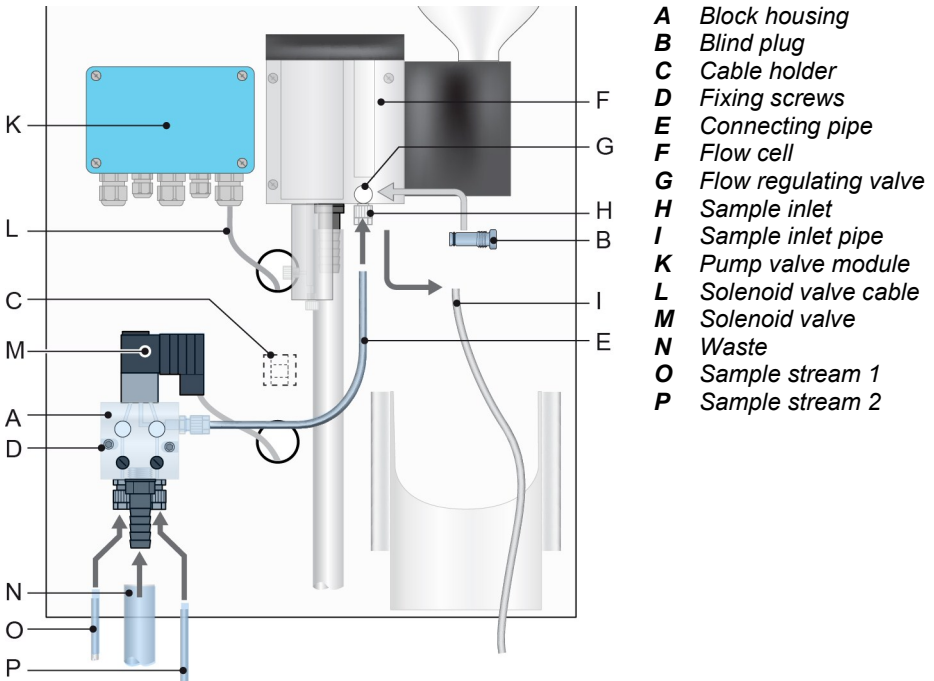
Replace the flow regulating valve of the flow cell [F] with enclosed blind plug [B]. The flow rate for each single sample stream can be adjusted with the flow regulating valves on the block housing of the 2nd sample stream option.

Preparation

Before the installation of the 2nd sample stream option please do the following:

1. Shut off power of the instrument, proceed according to chapter "Stop of Operation for Maintenance" in the manual of the instrument.
2. Make sure that the flow cell is empty.
3. Make sure that the main sample tap is closed.

Connect Sample and Waste



- A** Block housing
- B** Blind plug
- C** Cable holder
- D** Fixing screws
- E** Connecting pipe
- F** Flow cell
- G** Flow regulating valve
- H** Sample inlet
- I** Sample inlet pipe
- K** Pump valve module
- L** Solenoid valve cable
- M** Solenoid valve
- N** Waste
- O** Sample stream 1
- P** Sample stream 2

1. Unscrew and remove the flow regulating valve [G] from the flow cell [F].
2. Screw the blind plug [B] into the flow cell [F].
3. Screw the block housing [A] with the 2 fixing screws [D] onto the panel.
4. Remove the sample inlet tube [I] from the sample inlet.
5. Connect the sample outlet of the block housing with the sample inlet [H] of the flow cell with the connection pipe [E].
6. Push a 15 x 20 mm pipe [N] (not included in the installation set) over the ½" hose nozzle of the block housing and put the end of the pipe into an atmospheric drain.
7. Connect the sample inlet 1 [O] and sample inlet 2 [P] to the corresponding sample inlets of the block housing.
8. Stick one of the cable holders [C], inline with the cable holes, onto the rear side of the panel.
9. Feed the solenoid valve cable [L] through the hole next to the block housing and pull it out through the hole below the pump valve module [K].
10. Fix it with the cable holder [C].
11. Connect the solenoid valve [M] to the pump valve module [K] according to the next page.

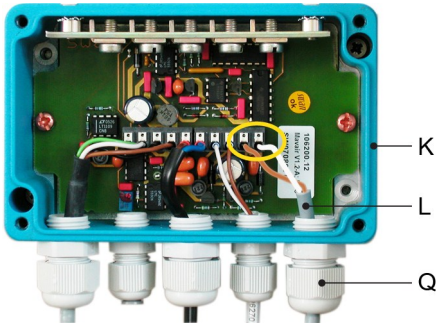
Connect Solenoid Valve

WARNING!

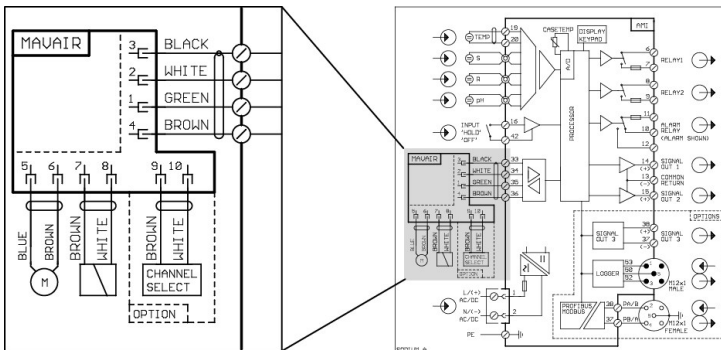
Electrical shock hazard



Before opening the pump valve module switch power off.



1. Open the pump valve module housing [K].
2. Feed the cable [L] of the solenoid valve through the cable gland [Q] into the pump valve module housing.
3. Connect the wires to the terminals in the pump valve module according to the connecting diagram below.
4. Close the pump valve module housing.
5. Turn on the sample flow.
6. Switch on power.



Change Firmware Settings

To activate the sample flow measurement change the firmware settings as follows:

- 1 In the <Main Menu> navigate to <Installation> <Sensors> <Channel switch>.
- 2 Press <Enter>.
- 3 In the submenu you can choose:
 - None: *No channel switch*
 - Auto: *Automatic channel switch*
 - Input: *Channel switch by an external device*
 - Fieldbus: *Channel switch by fieldbus*
- 4 Select the channel switch mode according your requirements.
- 5 Press <Enter>.
- 6 Press <Exit>.
- 7 Confirm Save <Yes> or <No> with yes.