

Replace inlet valves

Instructions

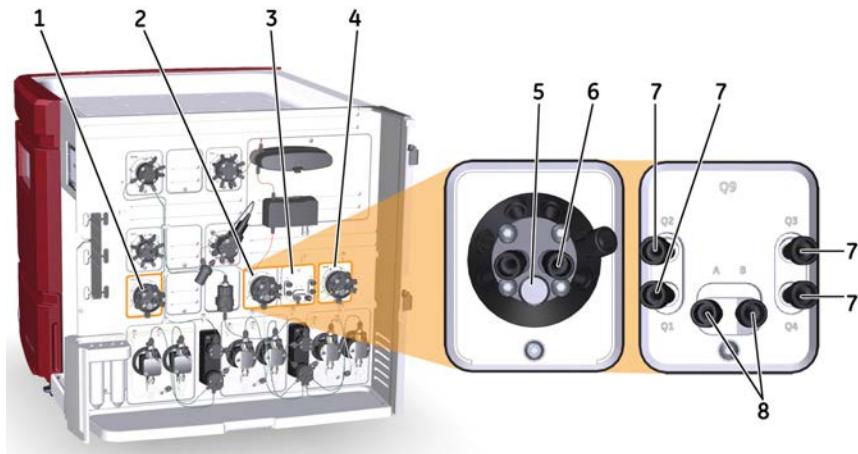
Scope

Instructions how to replace the inlet valves:

ÄKTA avant 25	ÄKTA avant 150
V9-IA (28956510)	V9H-IA (28979248)
V9-IB (28962006)	V9H-IB (28979277)
V9-IS (28962007)	V9H-IS (28979279)

Location and illustration of Inlet valves

The illustration below shows the location of the Inlet valves and also enlargements of Inlet valve A and the Quaternary valve. In ÄKTA™ avant 25, the Inlet valves are labelled **V9-IA**, **V9-IB**, and **V9-IS**. In ÄKTA avant 150, the Inlet valves are labelled **V9H-IA**, **V9H-IB**, and **V9H-IS**. The Quaternary valve is labelled **Q9** in both instruments.



Part	Description
1	Sample inlet valve
2	Inlet valve A
3	Quaternary valve
4	Inlet valve B
5	Integrated air sensor (behind the plug)
6	Inlet port of Inlet valve A
7	Inlet ports Q1-Q4 of Quaternary valve
8	Outlet ports from Quaternary valve to Inlet valve A and Inlet valve B

Instruction

The instruction below describes how to replace a valve module in the instrument.

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



WARNING

Disconnect power. Always switch off power to the instrument before replacing any component on the instrument, unless stated otherwise in the user documentation.

Step	Action
1	Disconnect power from the instrument by switching off the instrument with the Power switch located on the left hand side of the instrument.
2	Loosen the valve module with a Torx screwdriver.
3	Remove the valve module.

1 Disconnect power from the instrument by switching off the instrument with the **Power** switch located on the left hand side of the instrument.

2 Loosen the valve module with a Torx screwdriver.



3 Remove the valve module.



Step	Action
4	Disconnect the cable and secure it in the slit.
	

5 Connect the cable to the new valve module.



6 Insert the valve module.



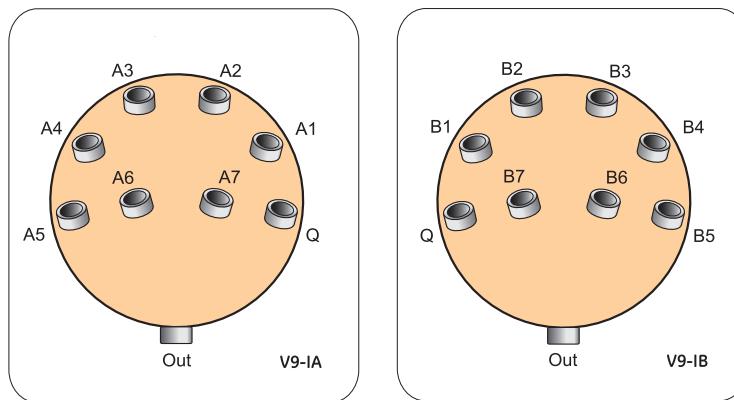
Step	Action
7	Fasten it with a Torx screwdriver.



Connect tubing

Inlet valve A and Inlet valve B

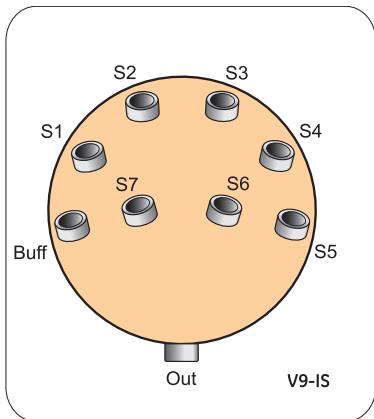
The illustration below shows the ports of Inlet valve A and Inlet valve B.



Port	Description	Port	Description
A1-A7	Buffer inlets of Inlet valve A	Q	Inlet from Quaternary valve
B1-B7	Buffer inlets of Inlet valve B	Out	To the System pumps

Sample inlet valve

The illustration below shows the ports of the Sample inlet valve.



Port	Description
S1-S7	Sample inlets
Buff	Buffer inlet
Out	To Sample pump

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