

Agilent Technologies

Innovating the HP Way

Exchanging the Multi-Channel Gradient Valve on the G1311A, 1100 Series Quaternary Pump

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Exchanging the Multi-Channel Gradient Valve (MCGV)

NOTE	The lifetime of the multi-channel gradient valve can be maintained by regularly flushing the valve, especially when using buffer solutions. If using buffer solutions, flush all channels of the valve with water to prevent precipitation of the buffer. Salt crystals can be forced into an unused channel and form plugs that may lead to leaks of that channel. Such leaks will interfere with the general performance of the valve When using buffer solutions and organic solvents in the HP 1100 Quaternary Pump it is recommended to connect the buffer solution to one of the bottom ports and the organic solvent to one of the upper gradient valve ports. It is best to have the organic channel directly above the salt solution channel (e.g., A - salt solution, B - organic solvent).
Parts required	MCGV (exchange assembly, G1311-69701)
Tools required	Pozidriv #1
Preparations for this procedure	Switch the quaternary pump off at the power switch. Remove the front cover to have access to the pump mechanics.

Repairing the Pump Exchanging the Multi-Channel Gradient Valve (MCGV)



