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Delivery Checklist

Check the content of the delivery. You should have received the following:

	p/n	Description			
	5067-4145	2pos/10port valve head 600 bar			
5067-5708		Online-SPE Capillary Kit			
	820999-901 (2x)	Guard Column Hardware Kit to insert BE online PLRP-S μm 2.1 mm x 12.5 mm 3/pk (5982-1271)			
Online-SPE					
Capillary Kit (5067-5708)	p/n	Description			
	5067-4652 (5x)	Capillary ST 0.12 mm x 120 mm SX/SX Valve to cartridges (4x), valve crossing (Port 5 – Port 10)			
	5067-4647 (2x)	Capillary ST 0.12 mm x 340 mm S/SX Valve to column, Autosampler to valve (Port 4)			
	5067-4648	Capillary ST 0.17 mm x 700 mm S/SX LC pump to valve (Port 7)			
	5067-5713	Capillary ST 0.25 mm x 500 mm S/S Flexible Cube Pump to Autosampler			
	5982-1271	BE online PLRP-S 15 – 20 μm2.1 mm x 12.5 mm 3/pk see Guard Column Hardware Kit (820999-901)			
	0890-1713	Waste tubing, 2 m Valve to Waste			
	0100-1516	Fitting male PEEK, 2/pk For Waste line			
		Online - SPE Starter Set TechNote EN			
	G4742-60000	CD with online SPE method			

Online – SPE Starter Set Setup

NOTE

Use the capillaries as described in "Delivery Checklist" on page 2.

More application details can be found in the Online - SPE Application Note (p/n 5991-1738EN).





Installing the Valve Heads

The valve drives are factory-installed in the 1290 Infinity Thermostatted Column Compartment , in the 1290 Infinity Flexible Cube, and in the 1290 Infinity Universal Valve Drive. The valve heads are interchangeable and can be easily mounted.

At the first installation, the transportation lock (TCC only) and the dummy valve have to be removed, see "Removing the transportation lock and the valve dummy" on page 4. The valve heads can be installed by mounting the valve heads onto the valve drives and fastening the nut manually (do not use any tools).

Be sure that the guide pin snaps into the groove of the valve drive thread.

NOTE

TCC only:

The valves are mounted on pull-out rails to allow easy installation of capillaries. Push the valve gently into its housing until it snaps into the inner position, push it again and it slides out. If all capillaries are installed, push the valve back into its housing, see "Installing the Valve Head and Connecting Capillaries" on page 5.

Removing the transportation lock and the valve dummy

The following procedure demonstrates the necessary steps for installing the valve head to the valve drive of a TCC.

For the installation of a valve head to a G1170A 1290 Infinity Valve Drive or G4227A 1290 Infinity Flexible Cube you can ignore the steps that describe the TCC features of the transportation lock and spring loaded valve drive.



Installing the Valve Head and Connecting Capillaries



For bio-inert modules use bio-inert parts only!

CAUTION	 The valve actuator contains sensitive optical parts, which need to be protected from dust and other pollutions. Pollution of these parts can impair the accurate selection of valve ports and therefore bias measurement results. → Always install a valve head for operation and storage. For protecting the actuator, a dummy valve head can be used instead of a functional valve. Do not touch parts inside the actuator.
CAUTION	Column Damage or Bias Measurement Results Switching the valve to a wrong position can damage the column or bias measurement results. → Fit the lobe to the groove to make sure the valve is switched to the correct position.
CAUTION	 Valve Damage Using a low pressure valve on the high pressure side can damage the valve. → When using multiple column compartments as part of a method development solution, make sure that the high pressure valve head is connected to the autosampler and the low pressure valve head is connected to the detector.
CAUTION	 Sample degradation and contamination of the instrument Metal parts in the flow path can interact with the bio-molecules in the sample leading to sample degradation and contamination. → For bio-inert applications, always use dedicated bio-inert parts, which can be identified by the bio-inert symbol or other markers described in this manual. → Do not mix bio-inert and non-inert modules or parts in a bio-inert system.
NOTE	The tag reader reads the valve head properties from the valve head RFID tag during the initialization of the module. The valve properties will not be updated if the valve head is replaced while the module is on. Selection of valve port positions can fail if the instrument does not know the properties of the installed valve.
NOTE	The Agilent 1290 Infinity Valve Drive recognizes the valve correctly, only if the valve drive was powered off for at least 10 s.

NOTE For a correct installation of the valve head, the outside pin (red) must completely fit into the outside groove on the valve drive's shaft (red). A correct installation is only possible if the two pins (green and blue) on the valve head fit into their corresponding grooves on the valve drive's actuator axis. Their match depends on the diameter of the pin and groove.

The following procedure demonstrates the necessary steps for installing the valve head to the valve drive of a TCC. For the installation of a valve head to a 1290 Infinity Valve Drive or 1290 Infinity Flexible Cube, you can ignore the steps that describe the TCC features of the spring loaded valve drive.





Valve Head Parts Information

Replacement Parts

 Table 1
 Partslist 2 Pos/10 Port Valve Head, 600 bar

Valve	Rotor Seal	Stator Head	Stator Screws(Pack of 10)	Stator Ring
5067-4145 2 Pos/10 Port valve head, 600 bar	0101-1415 (PEEK)	5068-0165	5068-0019	n.a.

Valve Head Parts

NOTE

The figure below illustrates replacement parts for the valve heads, with the 12Pos/13Port Selector valve as an example. The valves can vary in their appearance and do not necessarily include all of the illustrated parts. Neither, every spare part is available for each flavor of the valve.





1	Stator screws
2	Stator head assembly
3	Stator face assembly
4	Stator ring (available for service only)
5	Rotor seal
6	Bearing ring (P/N 1534-4045)
7	Spanner nut (P/N 5068-0106, available for service only)



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