

Agilent 490 Micro GC

Manual Injection Port Field Kit

Installation Instructions

This document describes the installation of the field kits for the manual injection ports (septum nut and luerlock) at the front of the Agilent 490 Micro GC.

NOTE

When the Agilent 490 Micro GC is equipped with a standard unheated front inlet, an additional field upgrade kit for the *sample inlet box* is required. The part number for a dual cabinet Agilent Micro GC is CP490202, for the quad cabinet Agilent Micro GC use part number CP190203.



Table 1 Parts list for the four kit types

Description and Part number	Kit types available			
	CP490204 Septum	CP490205 Luerlock	CP490206 Septum + Rear	CP490207 Luerlock + Rear
Bracket with pressure relief valve CP742849/CP742987	X	X		
Bracket with pressure relief valve + ball-valve CP742849/CP742987/CP958942			X	X
Sample in bracket CP739952	X	X	X	X
Torx screw M4 × 8 CP86757	X	X	X	X
Bulkhead reducing union 1/8 × 1/16-inch CP72472	X		X	
Septum injection port Assy CP742983	X		X	
Septum low bleed 10/pk (Spare part) CP724384	X		X	
ZF2SI Support 1/pk (Spare part) CP742990	X		X	
Unheated sample inlet CP740570		X		X
Fitting ext. luerlock 10-32 thrd 1/pk VLZLA		X		X
Female luerlock adapter to 1/16-inch ftgs CP914757		X		X

**CP742983****VLZTA****CP914757**

Mounting the Sample-in at the Front of the Agilent 490 Micro GC

- 1 Remove the side and front panels of the Agilent 490 Micro GC.
- 2 Make a hole in the preferred place on the front panel next to Sample 1. See [Figure 1](#).



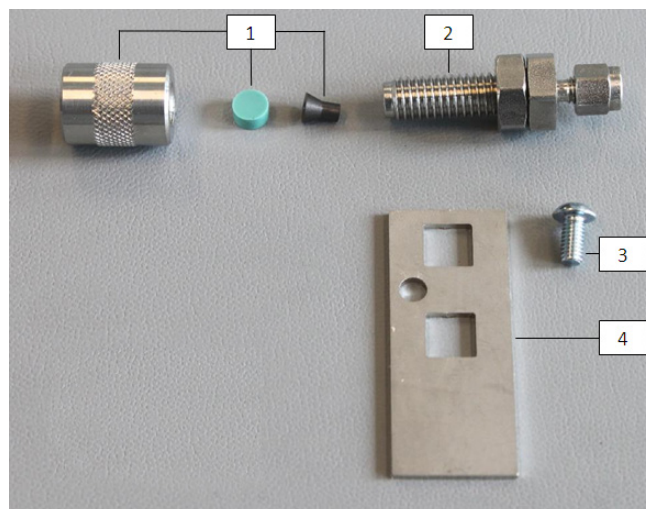
Figure 1 Sample 1 front panel hole

- 3 Install the sample bracket. See [Figure 2](#).



Figure 2 Sample bracket

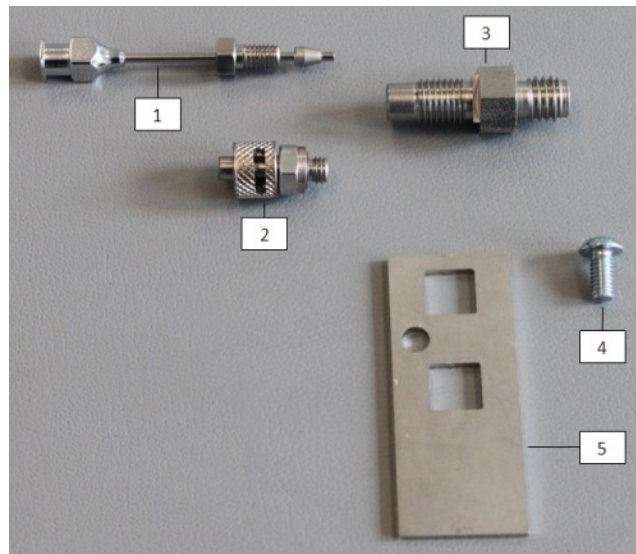
If using the Injection-Port CP490204 or CP490206 use the parts listed in [Figure 3](#).



- 1. CP742983
- 2. CP72472
- 3. CP86757
- 4. CP739952

Figure 3 Sample bracket parts for CP490204 or CP490206

If using the Injection-Port CP490205 or CP490207 use the parts listed in [Figure 4](#).



- 1. VLZLA1
- 2. CP914757
- 3. CP740570
- 4. CP86757
- 5. CP739952

Figure 4 Sample bracket parts for CP490205 or CP490207

- 4 Reinstall the front panel.
- 5 In case of heated or unheated Sample-Inlet on the rear remove the Sample-Inlet-Box.

Place the preassembled bracket above the sample pumps. To fix the bracket use three M4 Torx screws, p/n CP86757. See [Figure 5](#) for placement of the screws.

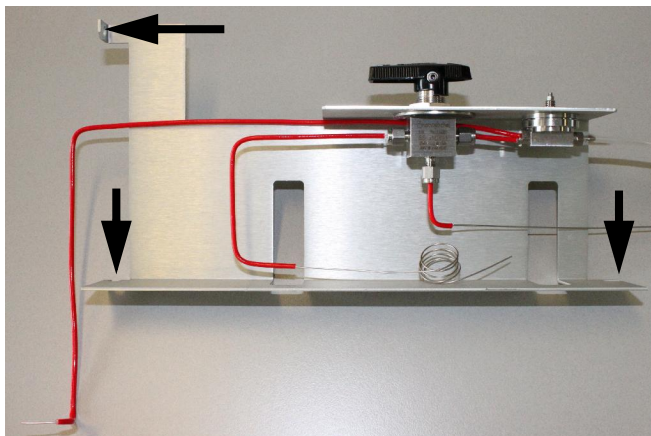


Figure 5 Bracket M4 Torx screw placement

The diagrams below show the differences for the different field kits ([Figure 6](#) and [Figure 7](#)). Plumb the tubing according to these diagrams and [Figure 8](#).

Diagram unheated sample-in 490 GC
CP490204 / CP490205

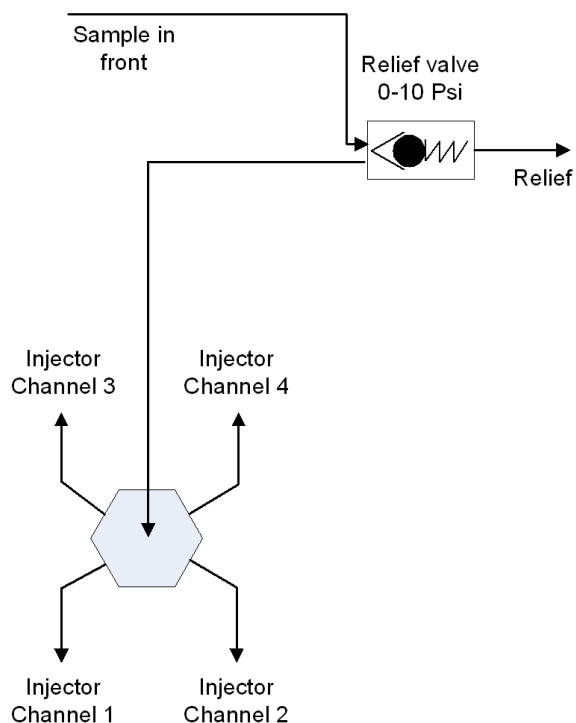


Figure 6 Diagram of unheated sample-in Agilent 490 Micro GC for CP490204 or CP490205

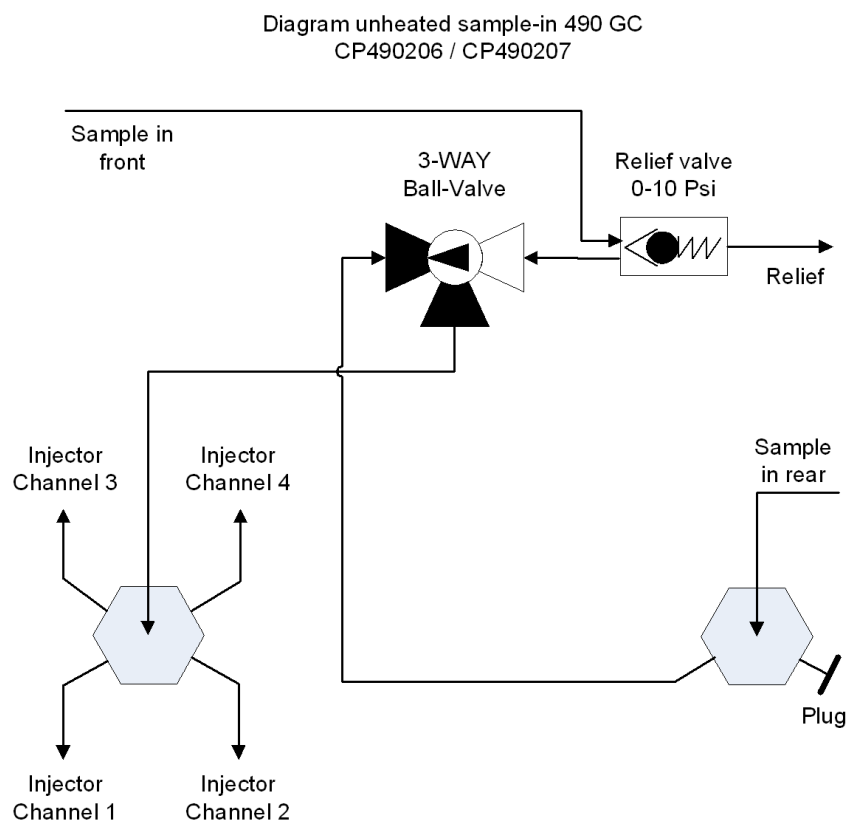


Figure 7 Diagram of unheated sample-in Agilent 490 Micro GC for CP490206 or CP490207

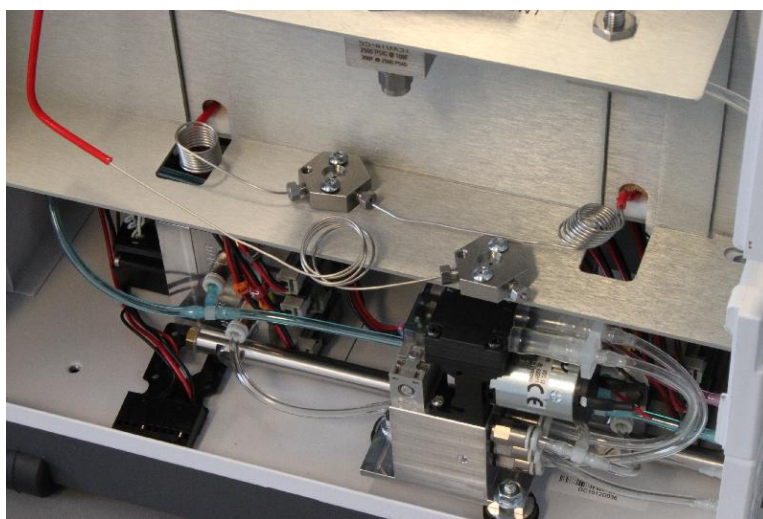


Figure 8 Diagram of unheated sample-in Agilent 490 Micro GC

- 6 Make an 18 mm incision in the upper insulation plate as seen in [Figure 9](#) and install it in the Sample-Inlet-Box, see [Figure 10](#) and [Figure 11](#).

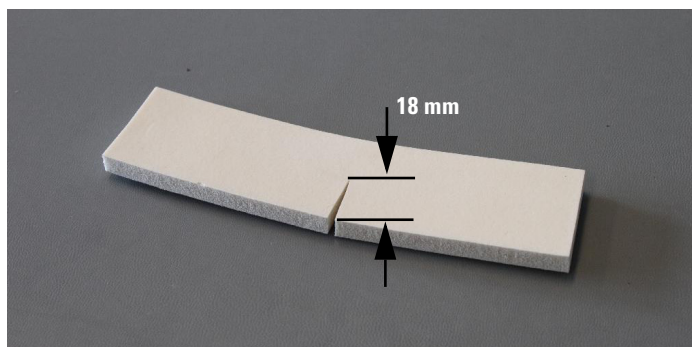


Figure 9 Upper insulation plate

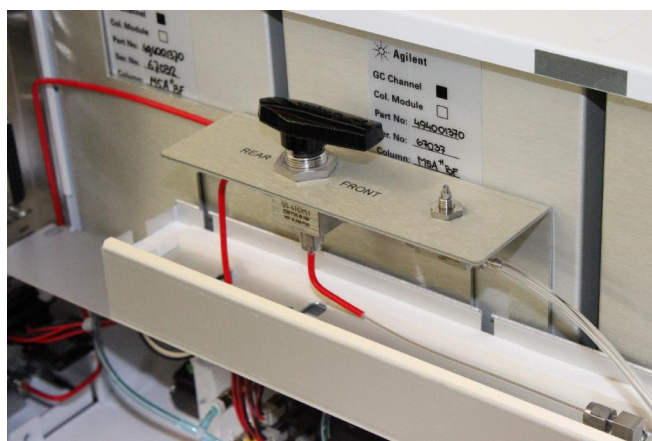


Figure 10 Sample-Inlet-Box without insulation

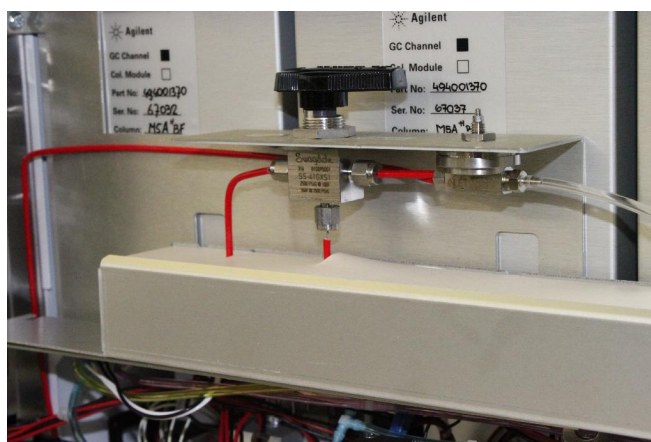


Figure 11 Sample-Inlet-Box with insulation

- 7 Reinstall the side panel.



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