

G4281B

Pump Leak Rate Test

Passed

DECAH00393
B.07.23[0009]
GradPump

The test determines the leak rates in the primary and the secondary pump chambers for component level diagnostic.

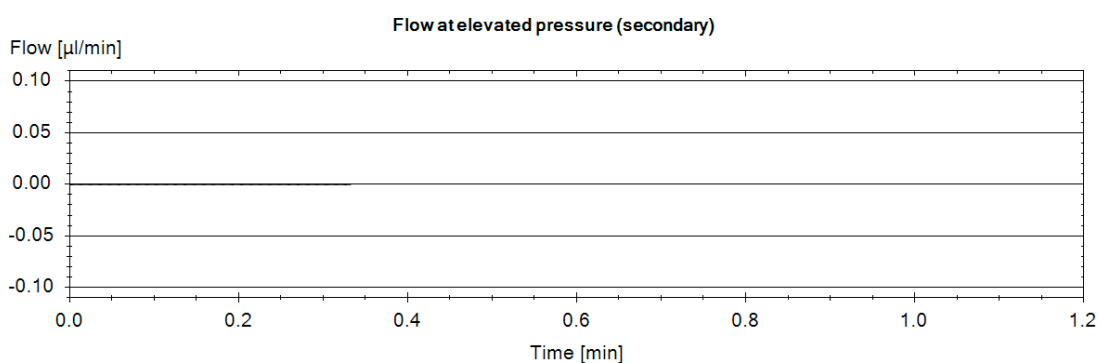
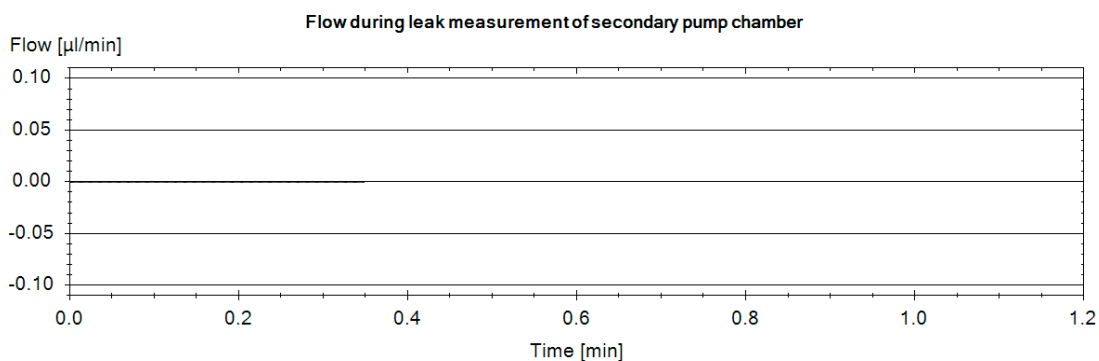
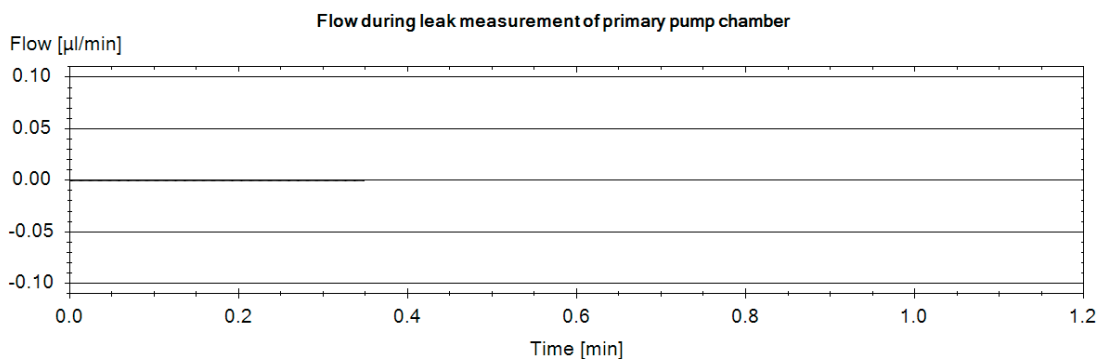
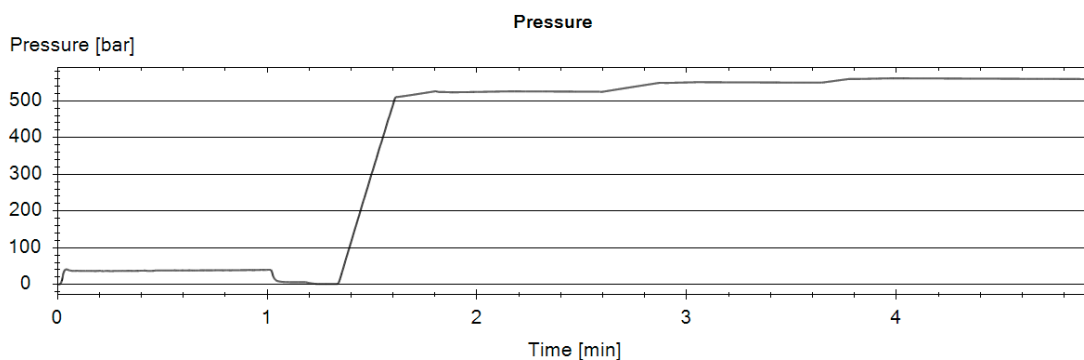
Started at 11.12.2024 12:17:59 by FIBRESTORE-8570\Benutzer1 on FIBRESTORE-8570 using Agilent Lab Advisor - Version 2.20.543 - Advanced

Results

Item	Value	Result
Maximum system pressure	600 bar	Done
Leak of primary pump chamber	0,00 µl/min	Done
Leak of secondary pump chamber	0,00 µl/min	Done
Leak at elevated pressure (secondary)	0,00 µl/min	Done
Purge Channel A	Done	Done
Remaining purge time	0 min 0 sec of total 1 min	Done
Primary leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed
Internal outlet valve leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed
Secondary leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed

Finished at 11.12.2024 12:23:19

Signals



Signature:

G4281B

Pump Leak Rate Test

Passed

DECAH00393
B.07.23[0009]
GradPump

The test determines the leak rates in the primary and the secondary pump chambers for component level diagnostic.

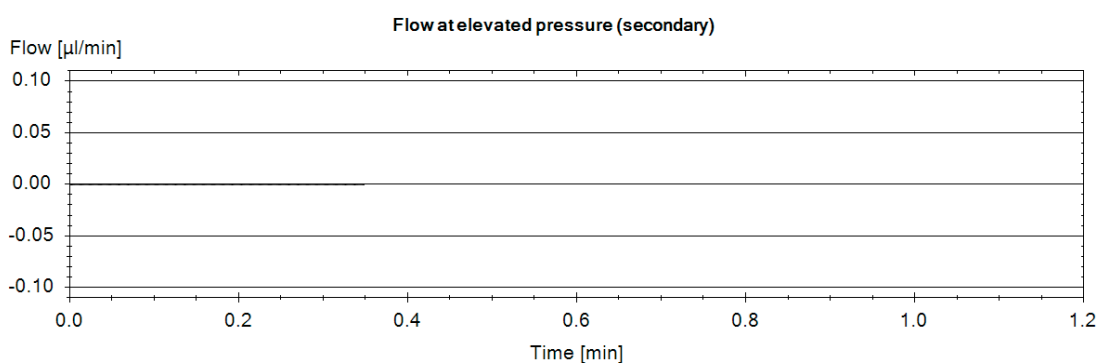
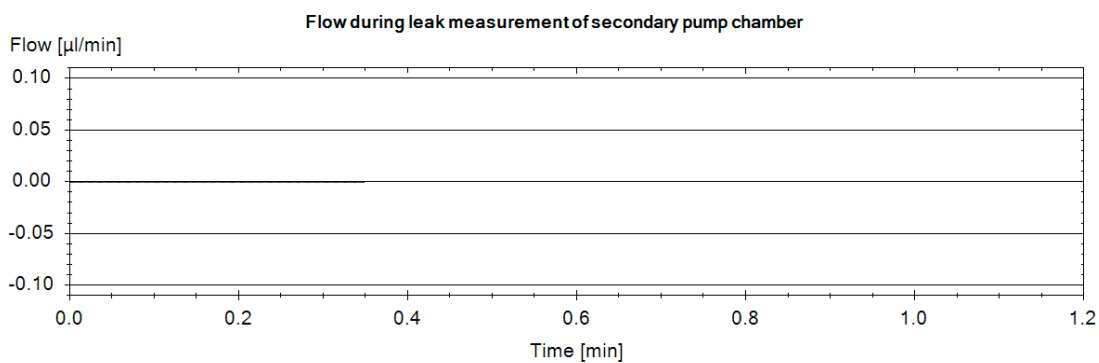
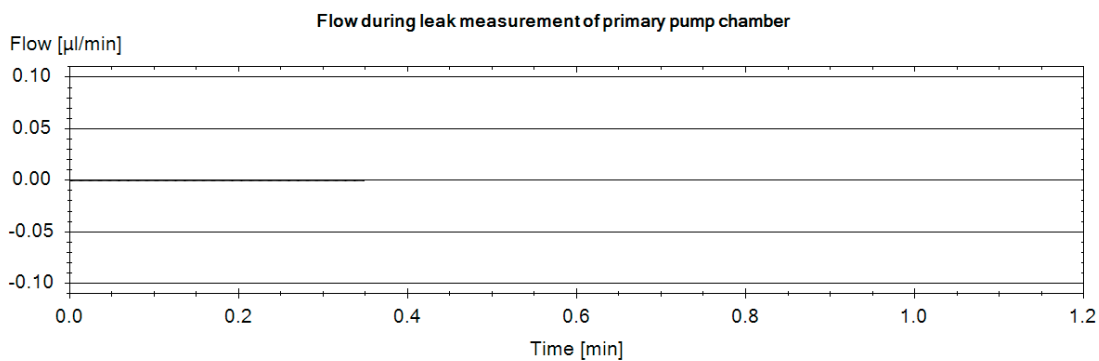
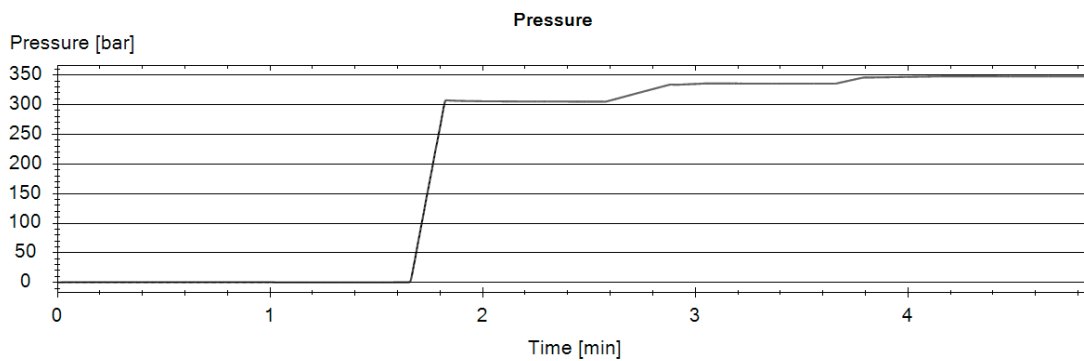
Started at 11.12.2024 12:24:51 by FIBRESTORE-8570\Benutzer1 on FIBRESTORE-8570 using Agilent Lab Advisor - Version 2.20.543 - Advanced

Results

Item	Value	Result
Maximum system pressure	400 bar	Done
Leak of primary pump chamber	0,00 µl/min	Done
Leak of secondary pump chamber	0,00 µl/min	Done
Leak at elevated pressure (secondary)	0,00 µl/min	Done
Purge Channel A	Done	Done
Remaining purge time	0 min 0 sec of total 1 min	Done
Primary leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed
Internal outlet valve leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed
Secondary leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed

Finished at 11.12.2024 12:30:10

Signals



Signature:

G4281B

Pump Leak Rate Test

Passed

DECAH00393
B.07.23[0009]
GradPump

The test determines the leak rates in the primary and the secondary pump chambers for component level diagnostic.

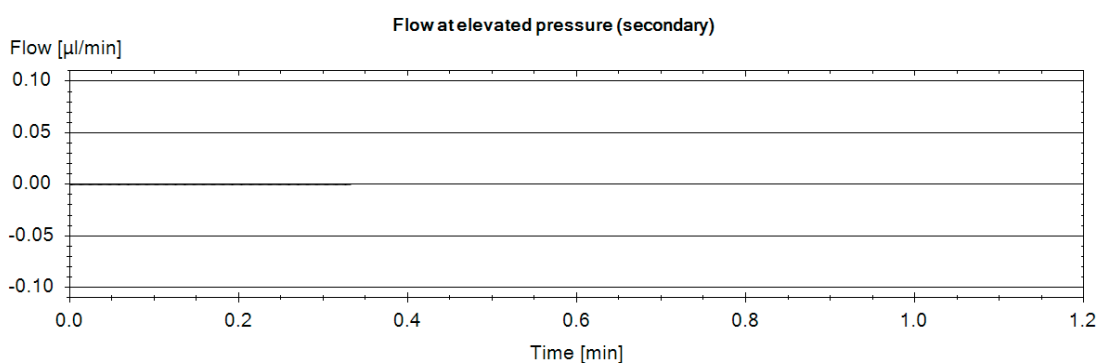
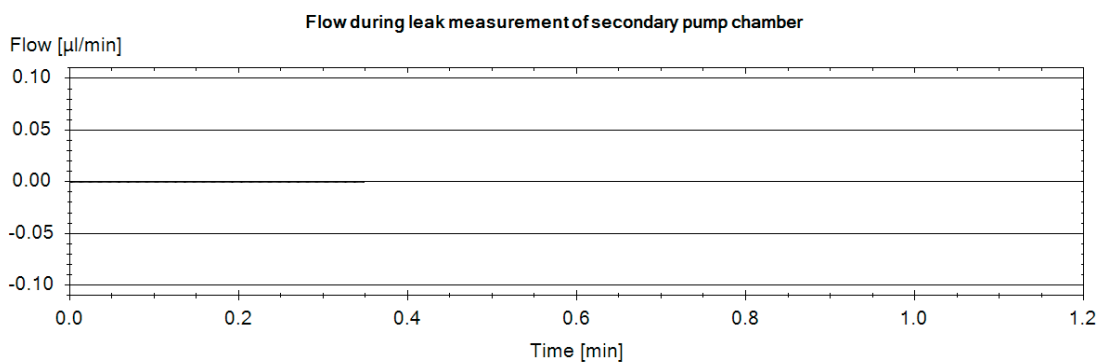
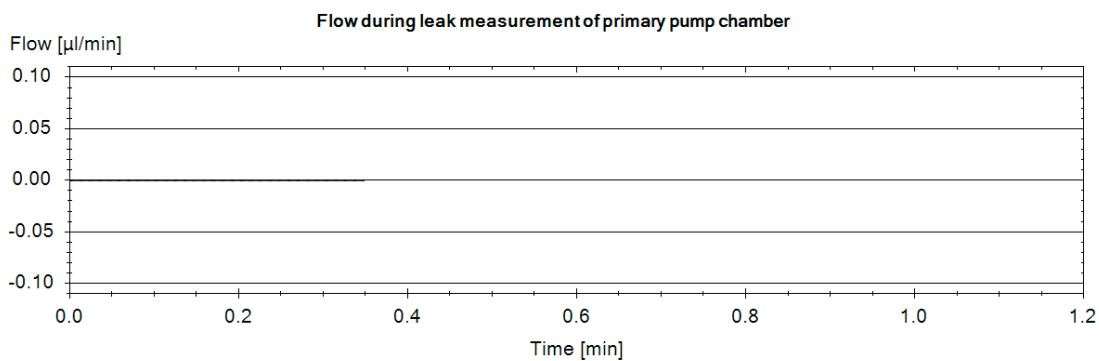
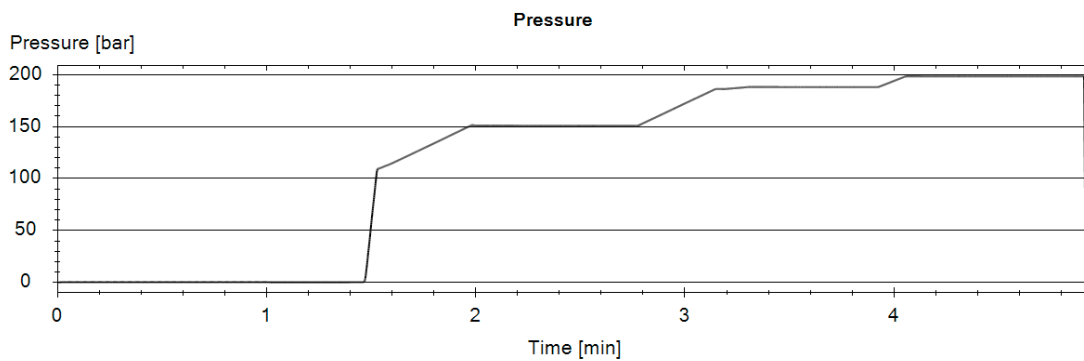
Started at 11.12.2024 12:30:37 by FIBRESTORE-8570\Benutzer1 on FIBRESTORE-8570 using Agilent Lab Advisor - Version 2.20.543 - Advanced

Results

Item	Value	Result
Maximum system pressure	200 bar	Done
Leak of primary pump chamber	0,00 µl/min	Done
Leak of secondary pump chamber	0,00 µl/min	Done
Leak at elevated pressure (secondary)	0,00 µl/min	Done
Purge Channel A	Done	Done
Remaining purge time	0 min 0 sec of total 1 min	Done
Primary leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed
Internal outlet valve leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed
Secondary leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed

Finished at 11.12.2024 12:35:55

Signals



Signature:

G4281B

Pump Leak Rate Test

Passed

DECAH00393
B.07.23[0009]
GradPump

The test determines the leak rates in the primary and the secondary pump chambers for component level diagnostic.

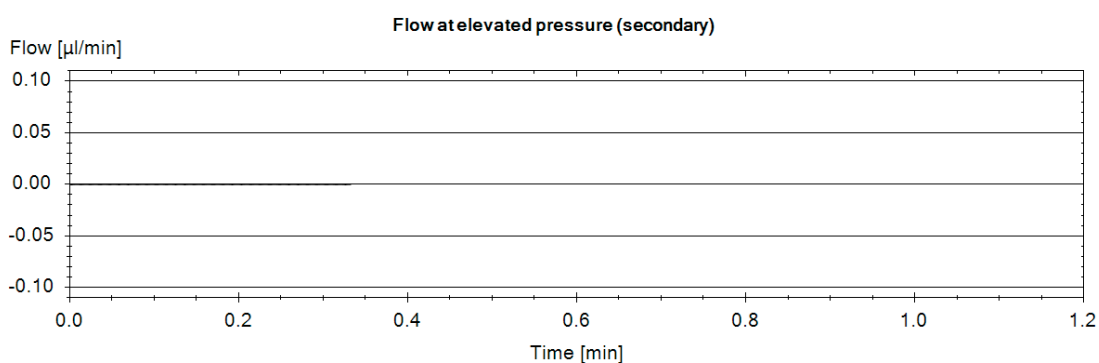
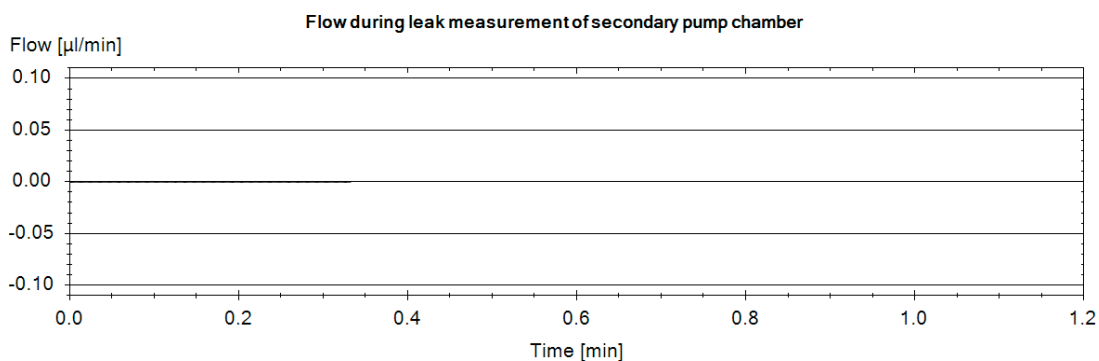
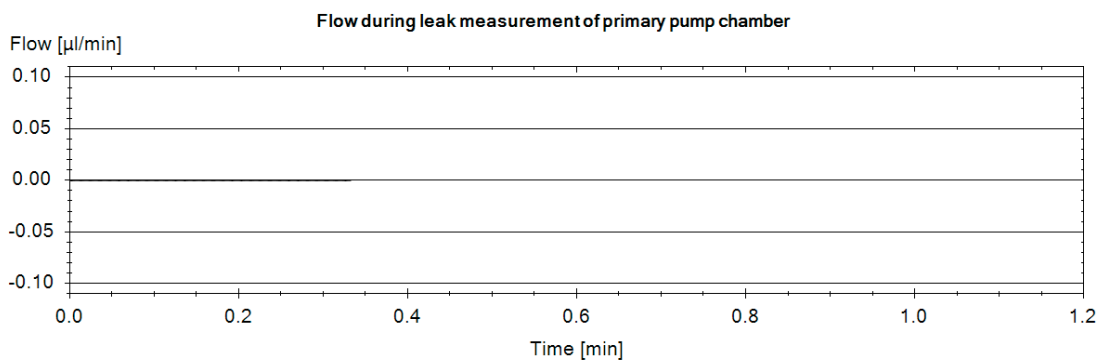
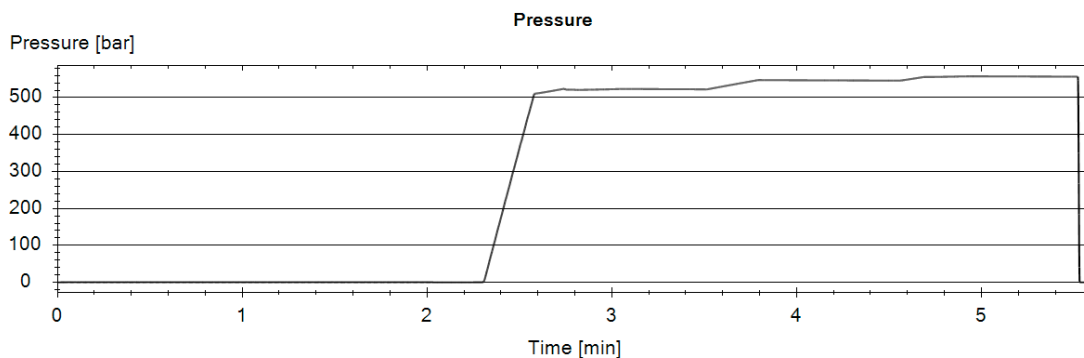
Started at 11.12.2024 12:36:26 by FIBRESTORE-8570\Benutzer1 on FIBRESTORE-8570 using Agilent Lab Advisor - Version 2.20.543 - Advanced

Results

Item	Value	Result
Maximum system pressure	600 bar	Done
Leak of primary pump chamber	0,00 µl/min	Done
Leak of secondary pump chamber	0,00 µl/min	Done
Leak at elevated pressure (secondary)	0,00 µl/min	Done
Purge Channel B	Done	Done
Remaining purge time	0 min 0 sec of total 2 min	Done
Primary leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed
Internal outlet valve leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed
Secondary leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed

Finished at 11.12.2024 12:42:29

Signals



Signature:

G4281B

Pump Leak Rate Test

Passed

DECAH00393
B.07.23[0009]
GradPump

The test determines the leak rates in the primary and the secondary pump chambers for component level diagnostic.

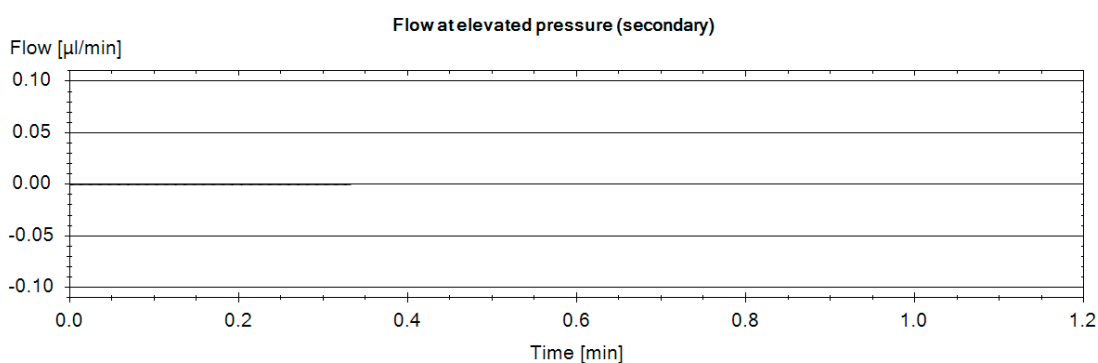
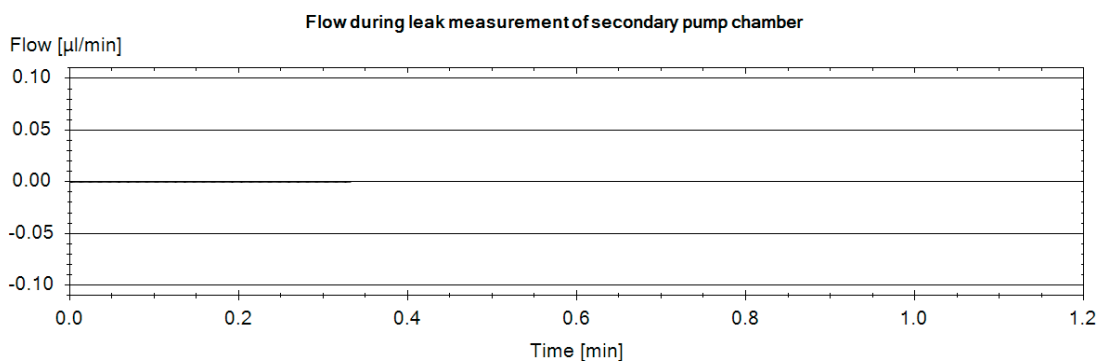
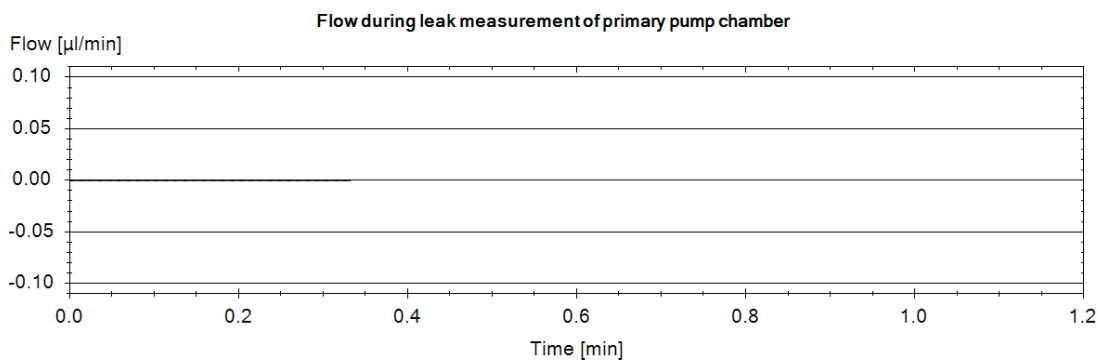
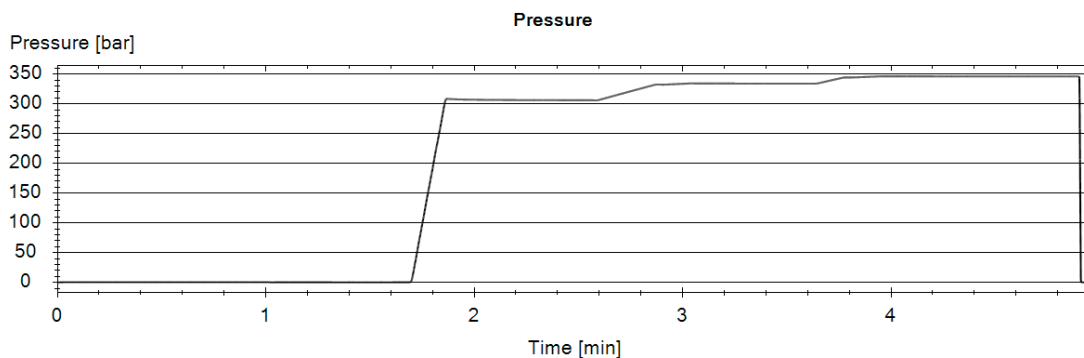
Started at 11.12.2024 13:00:13 by FIBRESTORE-8570\Benutzer1 on FIBRESTORE-8570 using Agilent Lab Advisor - Version 2.20.543 - Advanced

Results

Item	Value	Result
Maximum system pressure	400 bar	Done
Leak of primary pump chamber	0,00 µl/min	Done
Leak of secondary pump chamber	0,00 µl/min	Done
Leak at elevated pressure (secondary)	0,00 µl/min	Done
Purge Channel B	Done	Done
Remaining purge time	0 min 0 sec of total 1 min	Done
Primary leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed
Internal outlet valve leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed
Secondary leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed

Finished at 11.12.2024 13:05:38

Signals



Signature:

G4281B

Pump Leak Rate Test

Passed

DECAH00393
B.07.23[0009]
GradPump

The test determines the leak rates in the primary and the secondary pump chambers for component level diagnostic.

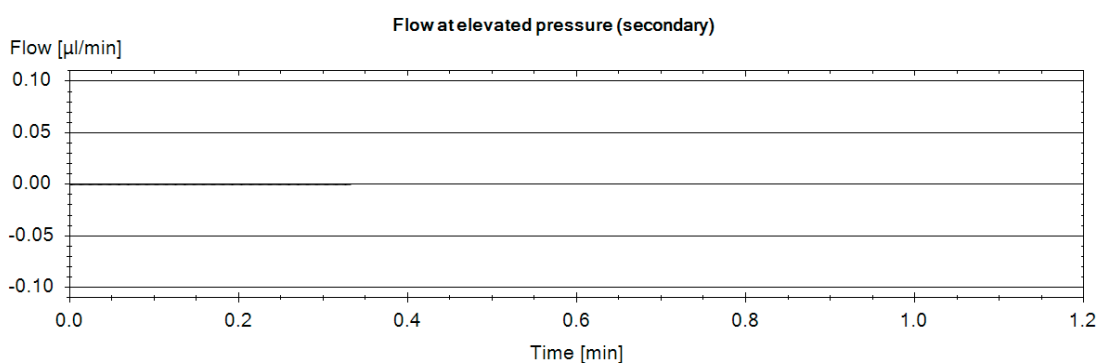
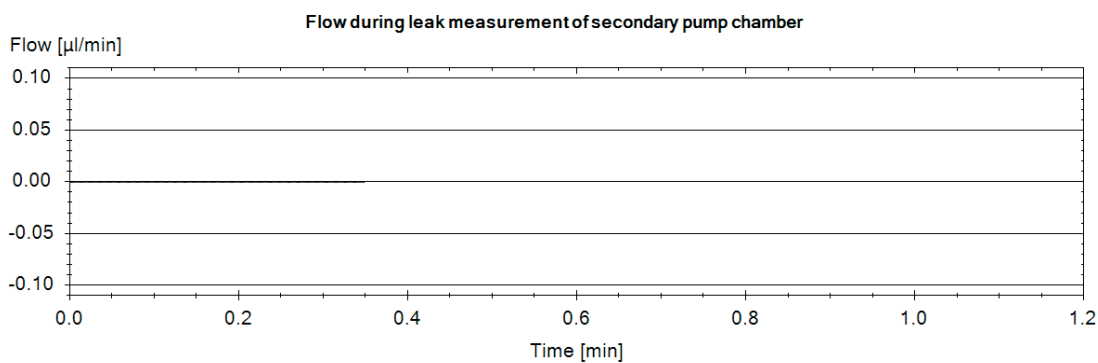
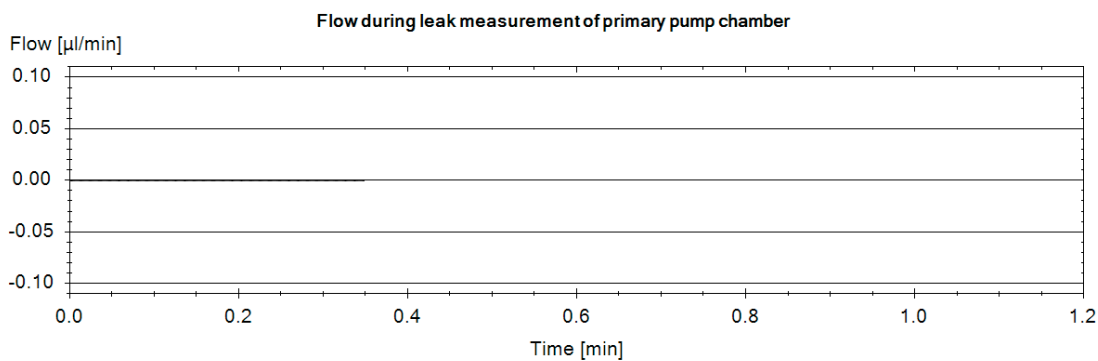
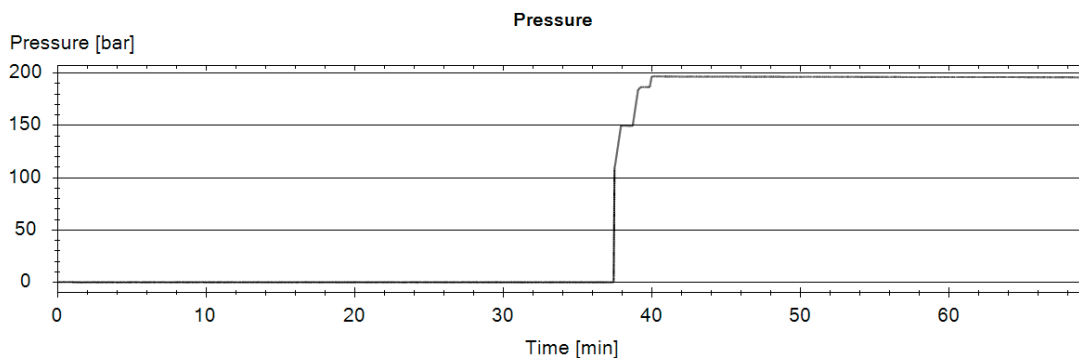
Started at 11.12.2024 13:06:33 by FIBRESTORE-8570\Benutzer1 on FIBRESTORE-8570 using Agilent Lab Advisor - Version 2.20.543 - Advanced

Results

Item	Value	Result
Maximum system pressure	200 bar	Done
Leak of primary pump chamber	0,00 µl/min	Done
Leak of secondary pump chamber	0,00 µl/min	Done
Leak at elevated pressure (secondary)	0,00 µl/min	Done
Purge Channel B	Done	Done
Remaining purge time	0 min 0 sec of total 1 min	Done
Primary leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed
Internal outlet valve leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed
Secondary leak	< 0.5 µl/min	
<i>Leak rate limit</i>	3 µl/min	Passed

Finished at 11.12.2024 14:16:06

Signals



Signature:

G4281B

System Pressure Test

Passed

DECAH00393
B.07.23[0009]
GradPump

The test determines the leak tightness of the system between pump and blank nut. For bio-compatible or bio-inert Multisampler (for example G7137A) it is essential to use the PEEK Blank Nut, part number 5043-0277. Otherwise use the Blank Nut SL, part number 5067-6127.

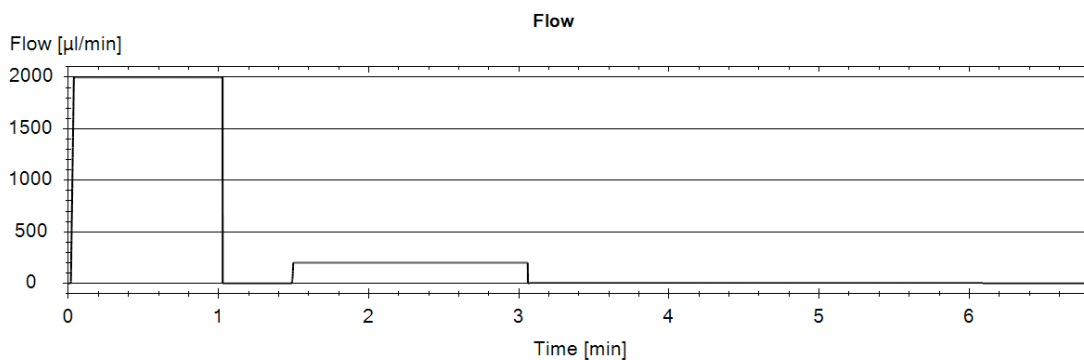
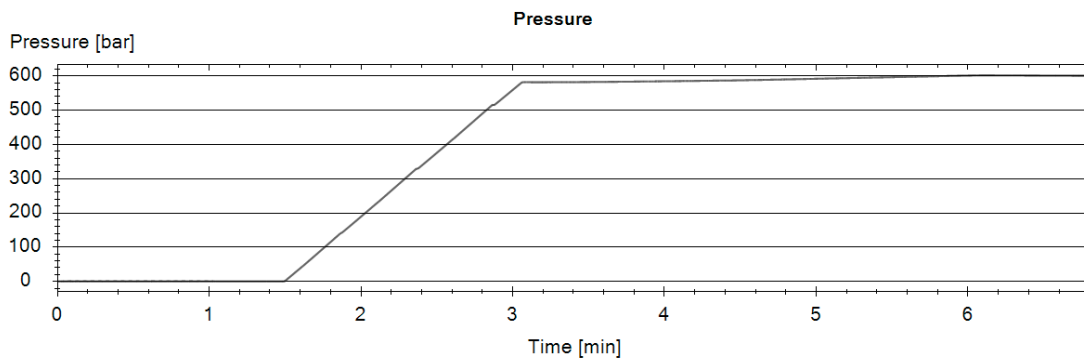
Started at 11.12.2024 14:16:36 by FIBRESTORE-8570\Benutzer1 on FIBRESTORE-8570 using Agilent Lab Advisor - Version 2.20.543 - Advanced

Results

Item	Value	Result
Maximum system pressure	600 bar	Done
Blank nut location	Pump outlet	Done
Purge Channel A	Done	Done
Remaining purge time	0 min 0 sec of total 1 min	Done
Resulting flow value	< 0.1 µl/min	
<i>System leak</i>	<i>5 µl/min</i>	Passed

Finished at 11.12.2024 14:26:16

Signals



Signature:

G4281B

System Pressure Test

Passed

DECAH00393
B.07.23[0009]
GradPump

The test determines the leak tightness of the system between pump and blank nut. For bio-compatible or bio-inert Multisampler (for example G7137A) it is essential to use the PEEK Blank Nut, part number 5043-0277. Otherwise use the Blank Nut SL, part number 5067-6127.

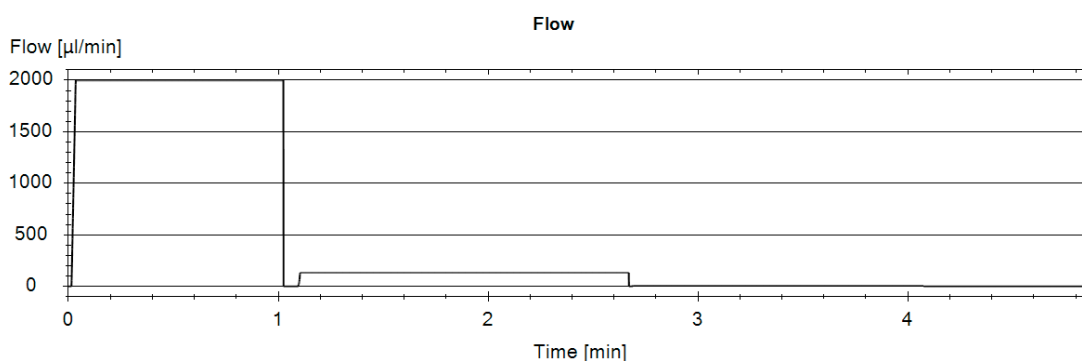
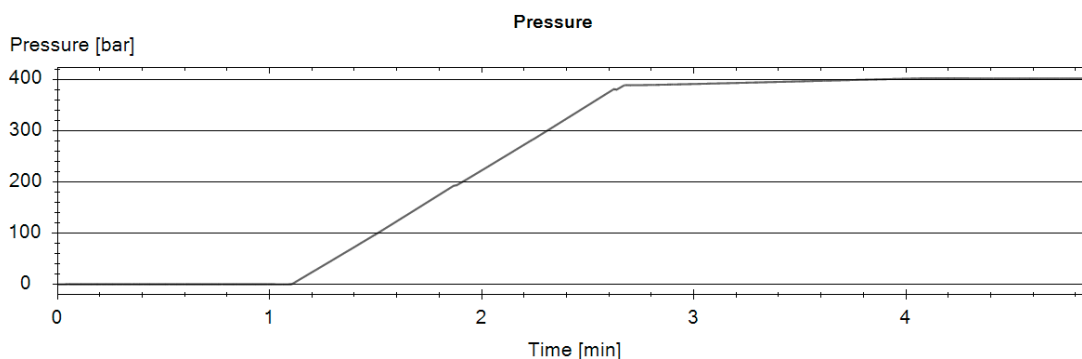
Started at 11.12.2024 14:26:43 by FIBRESTORE-8570\Benutzer1 on FIBRESTORE-8570 using Agilent Lab Advisor - Version 2.20.543 - Advanced

Results

Item	Value	Result
Maximum system pressure	400 bar	Done
Blank nut location	Pump outlet	Done
Purge Channel A	Done	Done
Remaining purge time	0 min 0 sec of total 1 min	Done
Resulting flow value	< 0.1 µl/min	
<i>System leak</i>	<i>5 µl/min</i>	Passed

Finished at 11.12.2024 14:36:11

Signals



Signature:

G4281B

System Pressure Test

Passed

DECAH00393
B.07.23[0009]
GradPump

The test determines the leak tightness of the system between pump and blank nut. For bio-compatible or bio-inert Multisampler (for example G7137A) it is essential to use the PEEK Blank Nut, part number 5043-0277. Otherwise use the Blank Nut SL, part number 5067-6127.

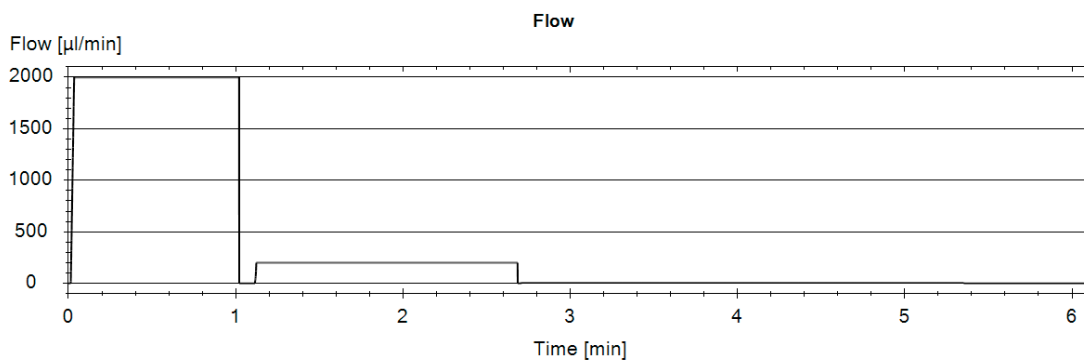
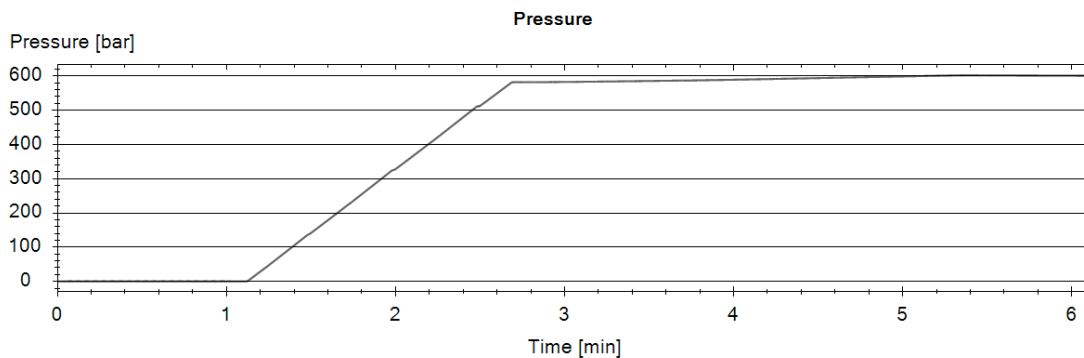
Started at 11.12.2024 14:48:10 by FIBRESTORE-8570\Benutzer1 on FIBRESTORE-8570 using Agilent Lab Advisor - Version 2.20.543 - Advanced

Results

Item	Value	Result
Maximum system pressure	600 bar	Done
Blank nut location	Pump outlet	Done
Purge Channel B	Done	Done
Remaining purge time	0 min 0 sec of total 1 min	Done
Resulting flow value	< 0.1 µl/min	
<i>System leak</i>	<i>5 µl/min</i>	Passed

Finished at 11.12.2024 14:56:34

Signals



Signature:

G4281B

System Pressure Test

Passed

DECAH00393
B.07.23[0009]
GradPump

The test determines the leak tightness of the system between pump and blank nut. For bio-compatible or bio-inert Multisampler (for example G7137A) it is essential to use the PEEK Blank Nut, part number 5043-0277. Otherwise use the Blank Nut SL, part number 5067-6127.

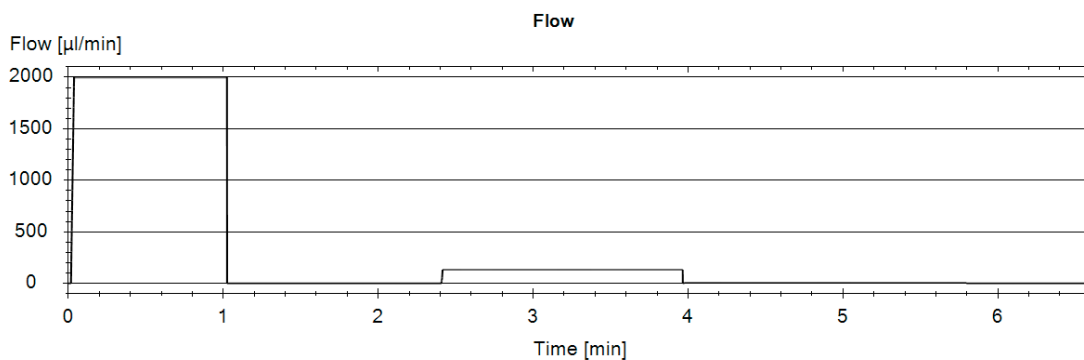
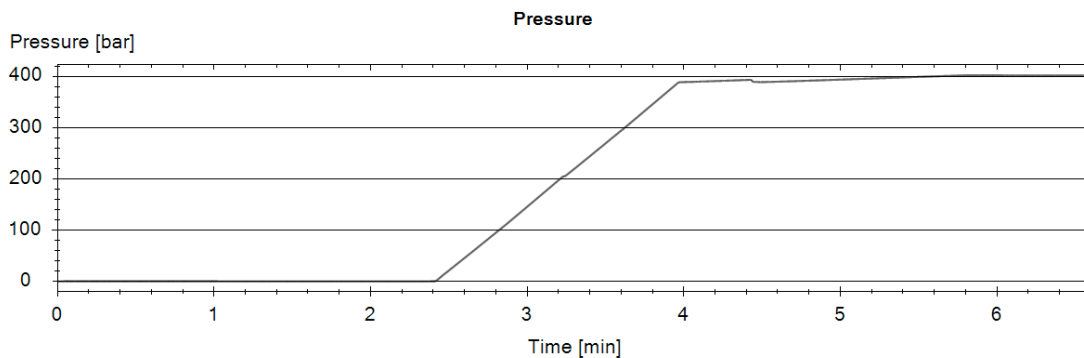
Started at 11.12.2024 14:57:04 by FIBRESTORE-8570\Benutzer1 on FIBRESTORE-8570 using Agilent Lab Advisor - Version 2.20.543 - Advanced

Results

Item	Value	Result
Maximum system pressure	400 bar	Done
Blank nut location	Pump outlet	Done
Purge Channel B	Done	Done
Remaining purge time	0 min 0 sec of total 1 min	Done
Resulting flow value	< 0.1 µl/min	
<i>System leak</i>	<i>5 µl/min</i>	Passed

Finished at 11.12.2024 15:04:14

Signals



Signature:

G4281B

Module Info

Done

DECAH00393
B.07.23[0009]
GradPump

Collect diagnostic info from a LC or CE module and write to the result file.

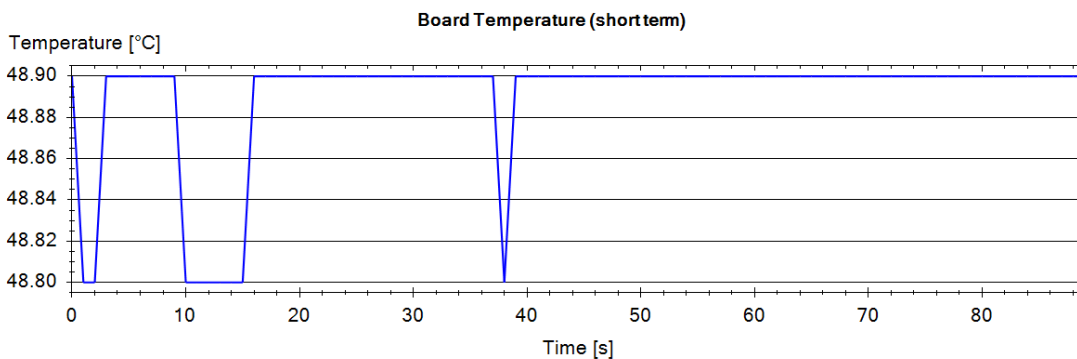
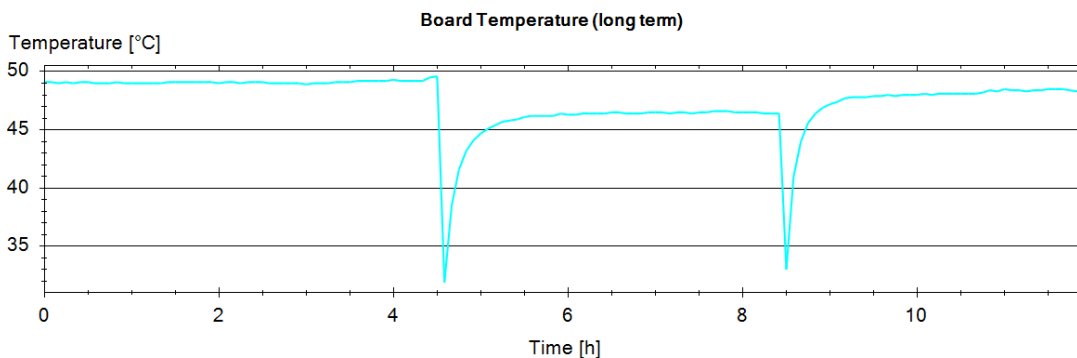
Started at 11.12.2024 15:34:47 by FIBRESTORE-8570\Benutzer1 on FIBRESTORE-8570 using Agilent Lab Advisor - Version 2.20.543 - Advanced

Results

Item	Value	Result
Firmware Main System Revision	B.07.23	Done
Firmware Main System Revision Build Number	[0009]	Done
Firmware Resident System Revision	B.07.23	Done
Hardware Main Board Details	TYPE=G4280-65050, SER=MAC, REV=CM	Done
System Date and Time	Firmware Clock: 11.12.2024 15:34:56, Controller Clock: 11.12.2024 15:34:48	Done
Product Options	GRAD,DGAS	Done
Device Detail #1	Integral Type: G4294B	Done
Device Detail #2	Degasser	Done

Finished at 11.12.2024 15:34:49

Signals



Tables

Error History

Date	Error Number	Error Parameter	Error description
12/11/2024 15:09:20	2014	202	Pressure above upper limit
12/11/2024 14:47:58	2014	202	Pressure above upper limit
12/11/2024 14:42:49	2014	202	Pressure above upper limit
12/11/2024 12:24:43	2014	584	Pressure above upper limit
10/07/2024 14:19:53	2040	111	Valve failed to switch
10/07/2024 14:19:52	2040	1	Valve failed to switch
10/07/2024 14:19:51	2040	0	Valve failed to switch
10/07/2024 14:14:59	2040	111	Valve failed to switch
10/07/2024 14:14:58	2040	1	Valve failed to switch
10/07/2024 14:14:57	2040	0	Valve failed to switch
10/07/2024 14:12:59	2040	111	Valve failed to switch
10/07/2024 14:12:58	2040	1	Valve failed to switch
10/07/2024 14:12:57	2040	0	Valve failed to switch
05/16/2024 14:12:45	64	0	Leak detected
05/16/2024 14:08:21	2065	0	Pump has been turned off during analysis

Firmware Revision

Date	Revision
09/17/2018 09:25:02	B.07.23 [0009]
10/12/2016 13:18:28	B.06.80 [0006]
12/31/2014 03:51:33	B.06.72 [0002]
01/01/1970 00:00:00	B.06.60 [0005]

Signature: