

Set pressure valve – CMN

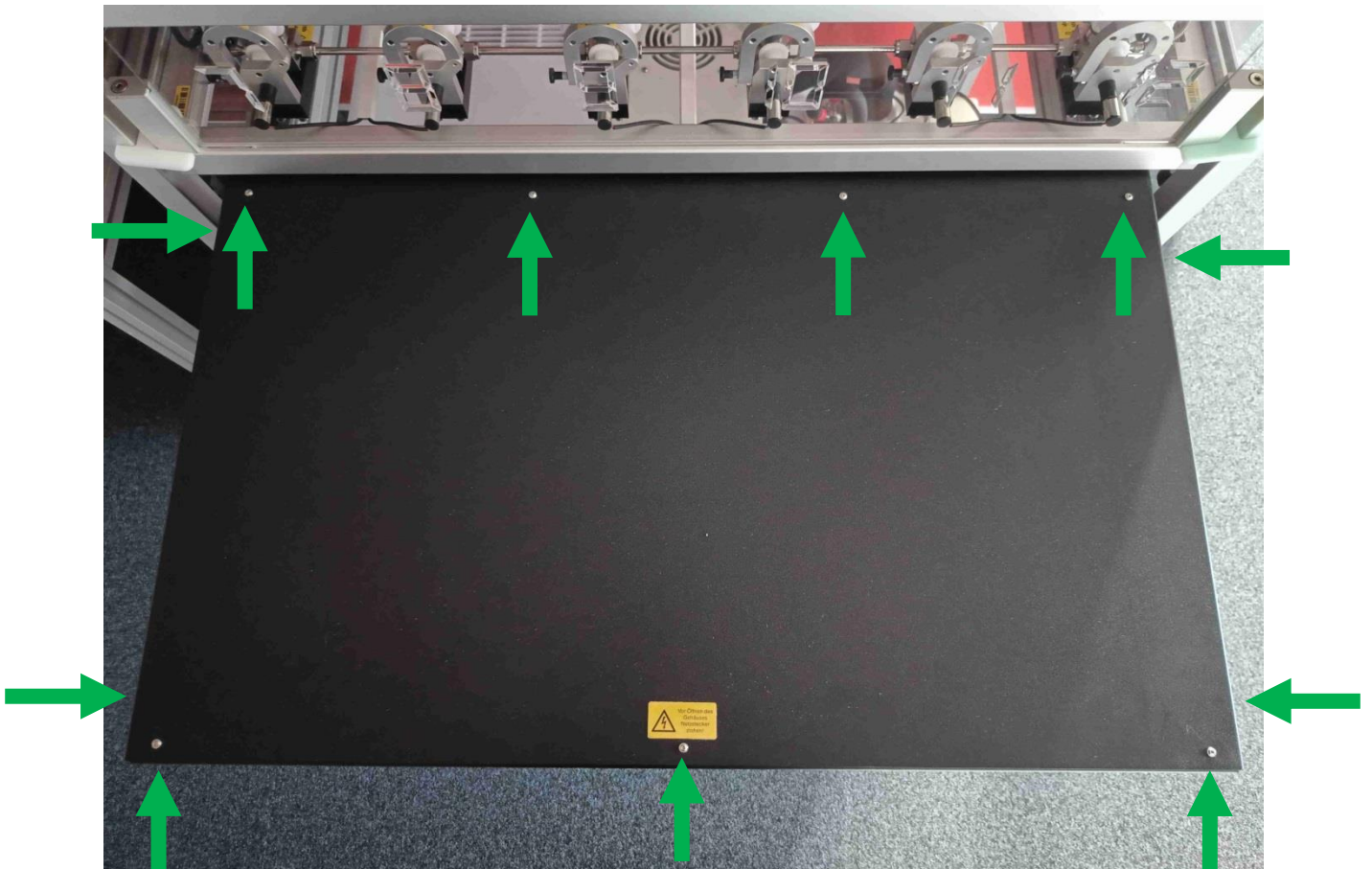
Required tools:

- 2mm hexagon screwdriver (for the housing cover screws)
- Crosshead screwdriver (PZ2 – for the pressure valve)

You should be careful because mains voltage is present in the device. You should switch off the Flask Sampler (and pull out the mains plug) while removing the housing cover and then switch it on again.

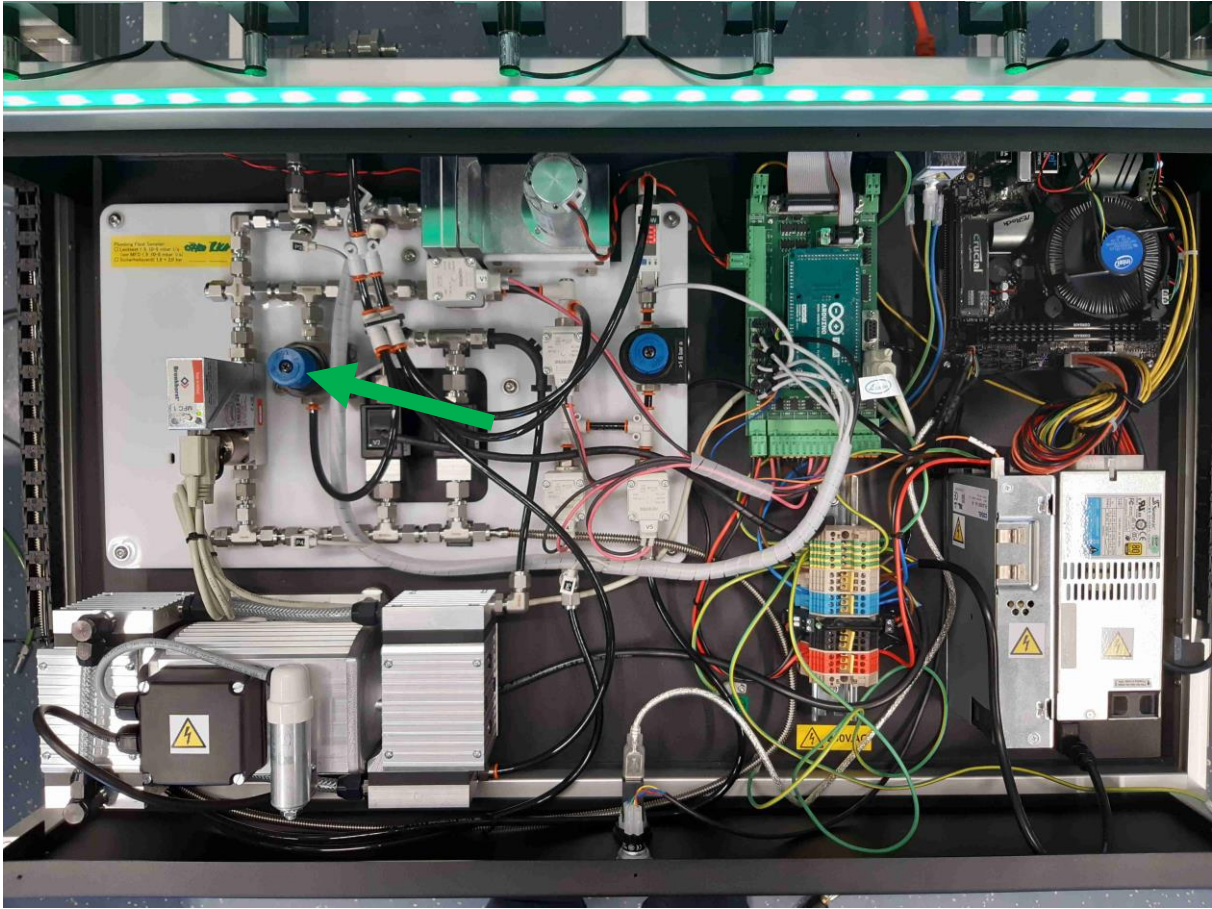
Steps:

1. Open housing cover, there are 11 screws in total (the bottom drawer must be pulled out completely):

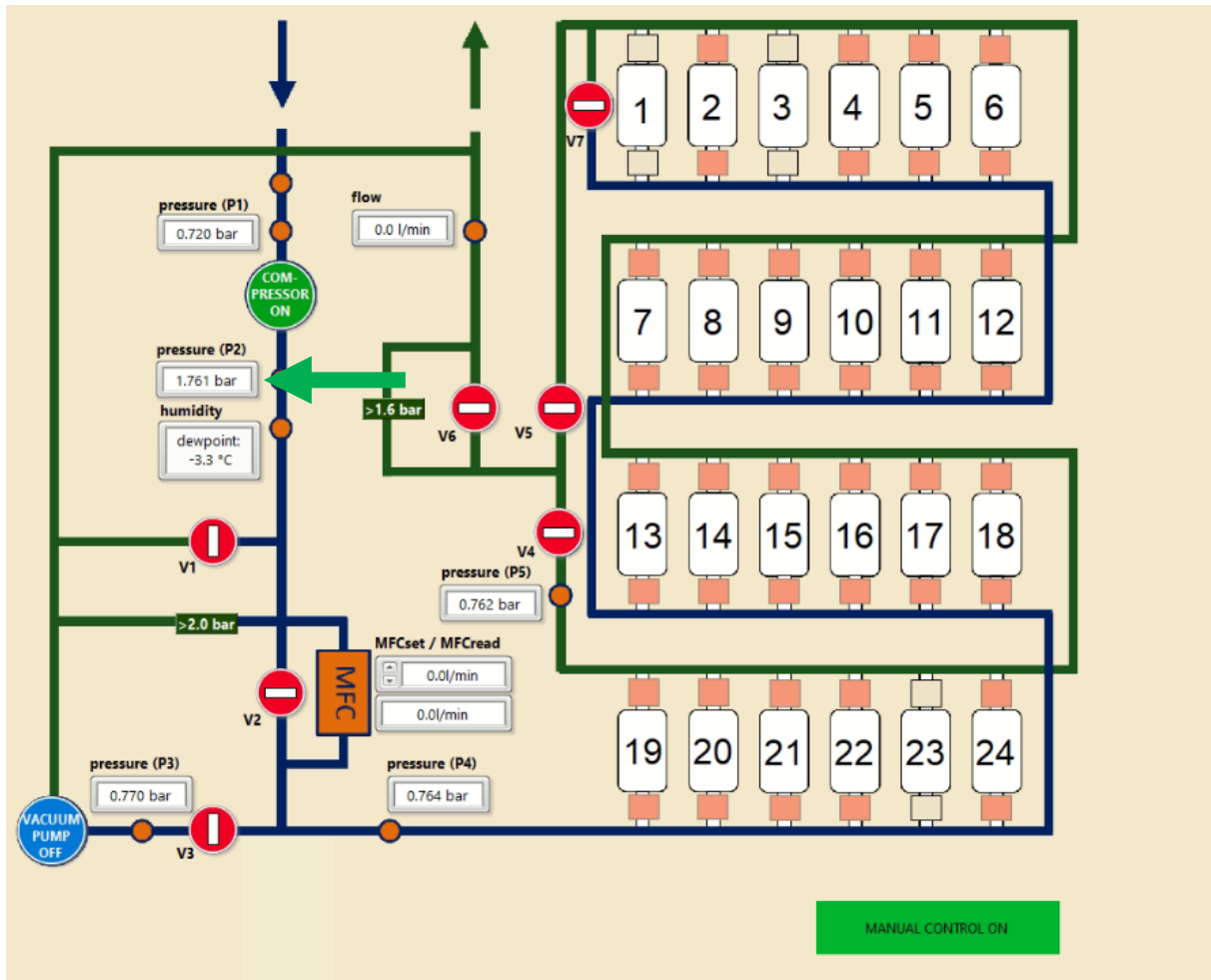


2. Remove the yellow/green-grounding cable from the housing cover (it's plugged in)

3. We will adjust the left pressure valve (see the green arrow in the picture). To adjust, you must first loosen the black screw in the center of the blue cap. This allows you to turn the blue cap and adjust the pressure



- To adjust the pressure, the pump in the Flask Sampler must be switched on and the valves in the Air dryer must be opened (I will do this via remote connection). The valve must be set so that the pressure sensor P2 indicates exact 2 bar (turn right+ to increase the pressure, turn left- to lower the pressure). At the Moment we have 1.76 bar:



- Tighten the black screw. The pressure settings could change when tightening. Then you have to loosen it again and readjust it slightly so that the pressure sensor shows the desired value at the end.
- The other pressure regulator may also need to be adjusted (the other one with the blue cap). I'll see when the pressure is at 2 bar
- Screw on the housing cover and plug the green/yellow grounding cable back in

NOTE: A differenza di quello scritto nel manuale, il giorno 15.10.2024 non è stato possibile modificare la pressione P2 forse a causa dell'altitudine del sito. La manopola blu di sinistra ha permesso di modificare la pressione P4 mentre la manopola di destra ha permesso di modificare la P5. Dopo i test effettuati, la pressione nella flask, dopo un regolare campionamento 1/t, è ora corretta a 1,63 bar. Vedere screenshot seguente.

IT-CMN FS0027

UTC time
2024-10-16
06:16:56

local time
08:16:56

next sampling preparations start at:
2024-10-18 23:49

barcode scanner
mount/unmount
mode stopped

2024-10-15 18:42:27
leak test successful 6 new

2024-10-15 18:43:02
leak problem at back side

2024-10-15 18:49:27
inserted flask F04342 at p

2024-10-15 18:49:29
inserted flask F04234 at p

2024-10-15 18:49:16
inserted flask F04074 at p

2024-10-15 18:49:13
inserted flask F03994 at p

2024-10-15 18:49:09
inserted flask F04040 at p

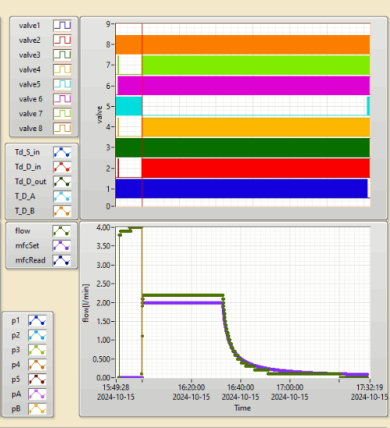
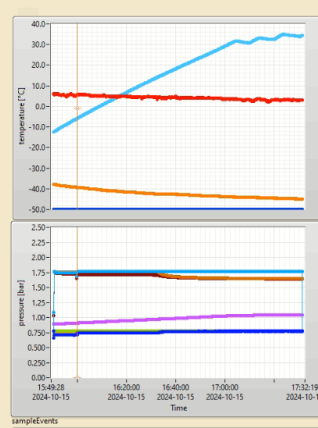
2024-10-15 18:49:04
inserted flask F03973 at p

2024-10-15 18:32:55
unmounted flask F04230

2024-10-15 18:32:49
unmounted flask F04041

2024-10-15 18:32:43
unmounted flask F04065

ALL NEWS



comment	flaskInsetTime	triggerScheme	samplingProcedure	lastDataExport	boxID	mol	sampleID	meanH	maxH	meanP1	minP1	meanF1c	move1
2024-10-15 07:34:02	TT - time triggered	air exchange (1/l flow) 01:00				1.399	1.372	-50.0	-50.0	0.800	0.700	0.9	2
2024-07-11 13:28:36	TT - time triggered	air exchange (1/l flow) 01:00				1.006	1.003	-50.0	-50.0	0.700	0.700	0.9	4
2024-08-29 12:43:51	TT - time triggered	air exchange (1/l flow) 01:00	2024-10-15 17:51	noBox		1.407	1.403	-50.0	-50.0	0.700	0.700	0.9	2
2024-07-18 11:53:59	TT - time triggered	air exchange (1/l flow) 01:00	2024-10-15 18:02	noBox		1.096	1.407	-50.0	-50.0	0.700	0.700	0.9	2
2024-07-18 11:49:01	TT - time triggered	air exchange (1/l flow) 01:00				1.150	1.404	-50.0	-50.0	0.700	0.700	0.9	2
2024-07-18 11:48:09	TT - time triggered	air exchange (1/l flow) 01:00	2024-10-15 18:02	noBox		0.922	1.407	-50.0	-50.0	0.700	0.700	0.9	2
2024-07-18 11:07:48	TT - time triggered	air exchange (1/l flow) 01:00	2024-10-15 18:02	noBox		1.099	1.409	-50.0	-50.0	0.700	0.700	0.9	2
2024-07-18 11:06:30	TT - time triggered	air exchange (1/l flow) 01:00	2024-10-15 18:02	noBox		1.121	1.409	-50.0	-50.0	0.700	0.700	0.9	2
2024-07-18 11:00:31	TT - time triggered	air exchange (1/l flow) 01:00				0.966	1.409	-50.0	-50.0	0.700	0.700	0.9	2
2024-07-18 10:59:48	TT - time triggered	air exchange (1/l flow) 01:00	2024-10-15 18:03	noBox		1.024	1.407	-50.0	-50.0	0.700	0.700	0.9	2

history

date time	pc	flaskID	batchID	message
2024-10-15 07:34:07	24	F04015		flask mounted
2024-10-15 14:18:20	24	F04015		flask for re-use (over)
2024-10-15 15:49:00	273			sampling start triggered
2024-10-15 15:50:28				sampling prep. started
2024-10-15 15:59:59	273			sampling started
2024-10-15 17:29:59	273			sampling extension
2024-10-15 17:31:19	273			sampling ended

computerStart/stop
drawerOpen/close
add/change/removeSched
mount/unmount/flask
open/close/check/flask

flagRaised/Removed
leakTestStart/end
lockingPortCheckStart/end
samplingPrepareStart/end
manualControlStart/end

year: 2024
sampleID: DESC
sampling log files at: "C:\logfiles\samplingEventData"

sampler overview | plumbing overview | packing tool | sample keeper & group tool | sensor plot | log view | settings & flask list & activities | dryingUnit | icControl | runningPrograms & CANcom | serialTrigger | p-checkAdjust | dryerBackEnd

06:05:40 12:00:00 00:00:00 12:00:00 00:00:00 12:00:00 00:00:00 12:00:00 00:00:00 16:40:00
2024-10-16 2024-10-16 2024-10-17 2024-10-17 2024-10-18 2024-10-18 2024-10-19 2024-10-19 2024-10-20 2024-10-20

ICOS INTEGRATED CARBON OBSERVATION SYSTEM