



Basic SHW Troubleshooting Assessments for customers

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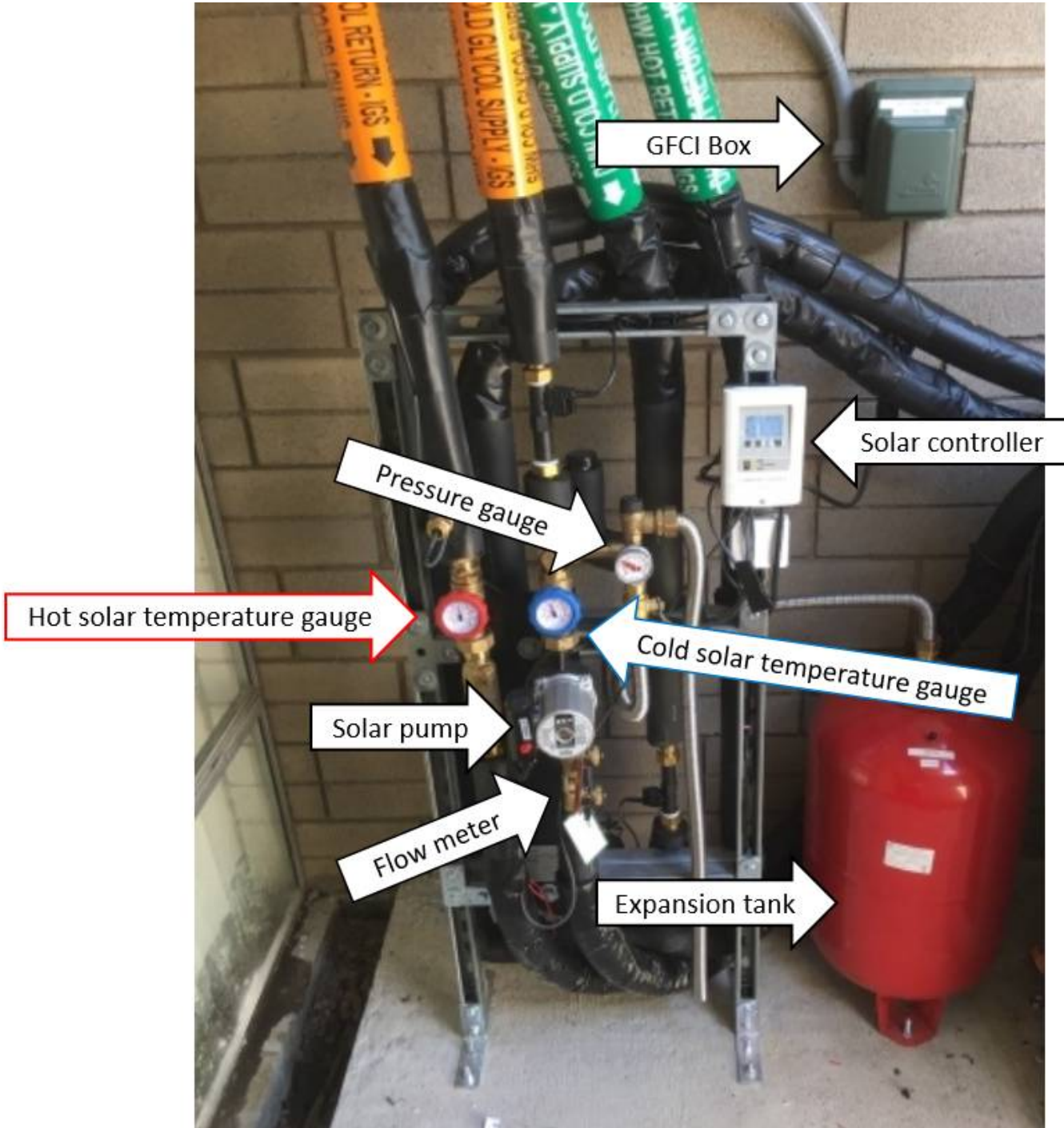
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Data type	Value
Solar controller	
S1 Temperature [F]	
S2 Temperature [F]	
S3 Temperature [F]	
S4 Temperature [F]	
S5 Temperature [F]	
S6 Temperature [F]	
Pressure gauge	
Black indicator [PSI]	
Flow meter	
Flow [l/min]	
Temperature gauge	
Hot solar temperature (red) [F]	
Cold solar temperature (blue) [F]	

Pump Skid Scheme

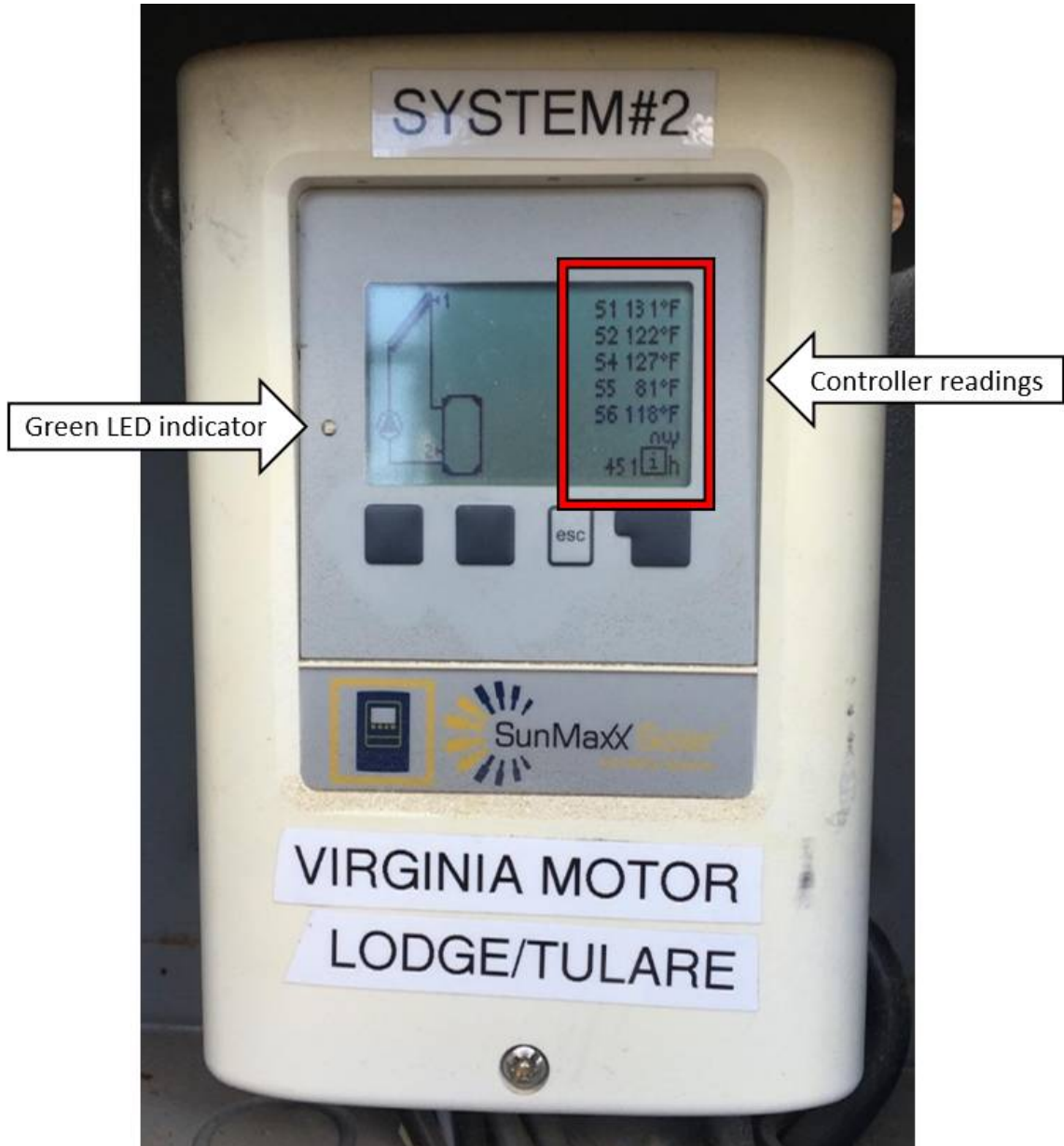
On this photo you can see your pump skid. You can find there items like:

GFCI Box, Solar controller, Pressure gauge, Hot solar temperature gauge, Cold solar temperature gauge, Solar Pump, Flow meter, Expansion tank



Diagnostic procedure

1. Look at the controller, if it is turned on there should be green light. If it's turned on take a picture of the controller readings.

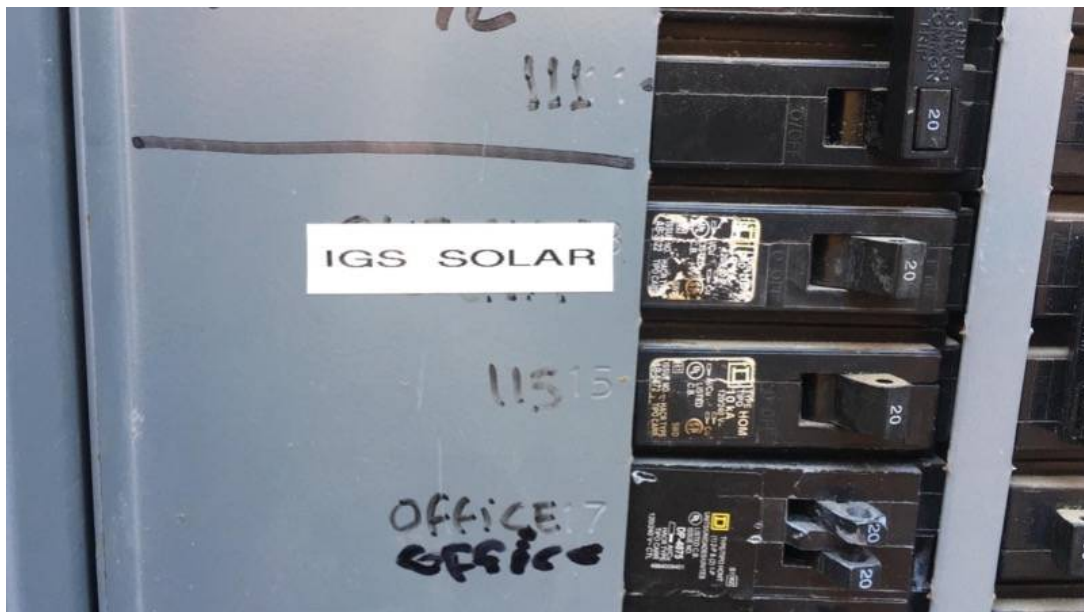


LED indicator red light means that there is an error. Take photo of controller.

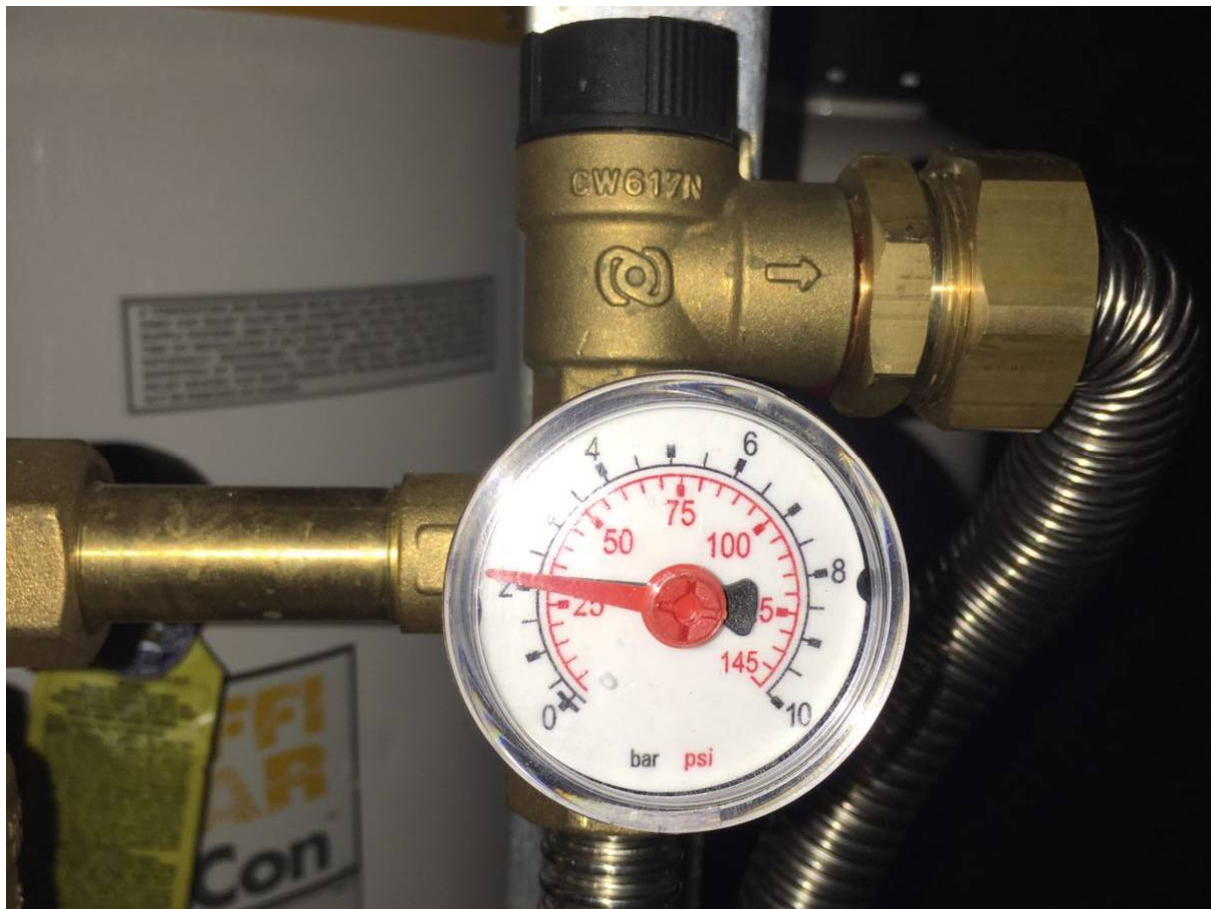
2. When there is no light or no readings check these points:
 - a. Check if the controller is plugged in



- b. Check breaker on the breaker panel (should be turned on)

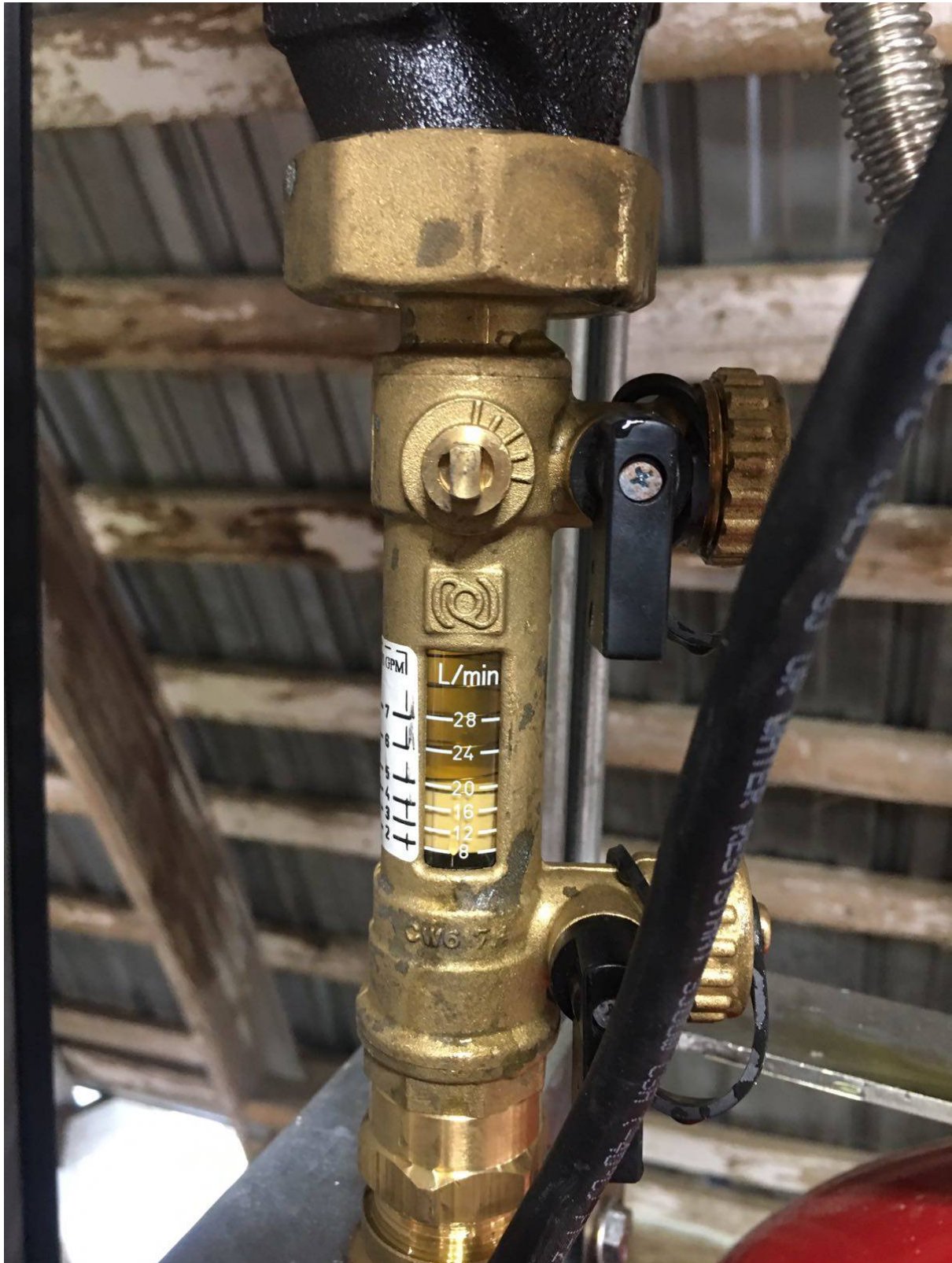


3. Check pressure on pressure gauge. Write is down and take a photo (you can find its location on the first photo)

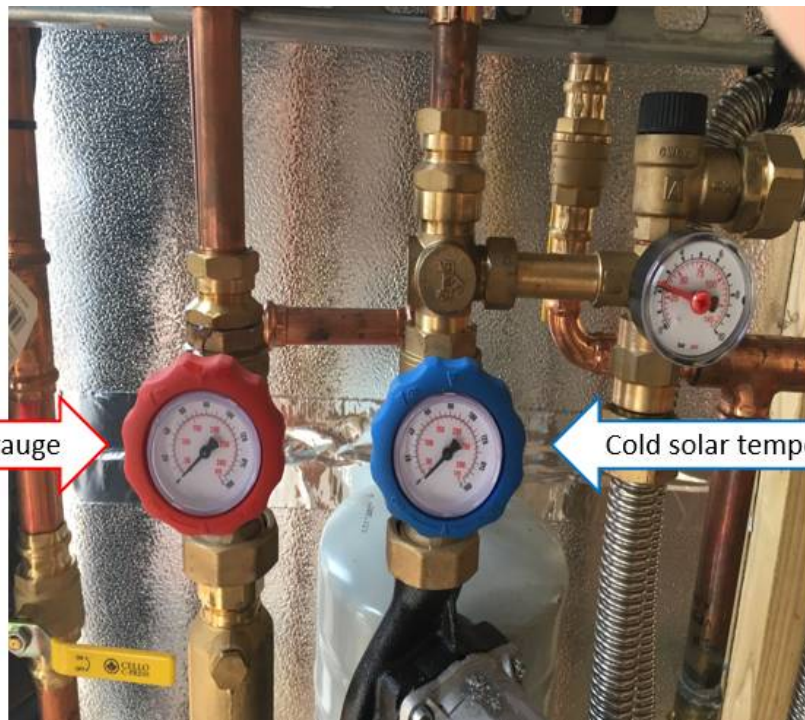


If pressure value is zero check if there are no leaks. If there are take a photo.

4. Is there a flow? Take a photo of a flow meter.



- Check temperature on the gauge. Write is down and take a photo. (you can find its location on the first photo)



Parameter of the system

Temperature on sensor S1	Solar Controller	
Temperature on sensor S2	Solar Controller	
Temperature on sensor S3	Solar Controller	
Temperature on sensor S4	Solar Controller	
Temperature on sensor S5	Solar Controller	
Temperature on sensor S6	Solar Controller	
Outside temperature		
Solar hot temperature gauge	Pump Skid	
Solar cold temperature gauge	Pump Skid	
System pressure	Pressure gauge	
Flow	Flow meter	