

T.I. no.: 2022 - 08 Updated: -	Topic: Automatic monitoring of the pressure sensor
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Date: 08.03.2022	Priority	Need for action
Affected machines: SCS / SOUL (SW-Plattform)	High	As soon as possible
From serial number: -	Medium	On next visit to the machine
As of date: March 2022	x Low	x FYI only

AUTOMATIC MONITORING OF THE PRESSURE SENSOR

With software release V4.36.x, an automatic process sequence has been integrated that subjects the pressure sensor to a function check (control) every time the machine is started.

The machine is put into a monitoring mode as soon as an error is detected and then checks whether the error occurs regularly. For safety reasons, the machine is blocked.



Characteristic

- > Function available as of V4.36.x
- > Duration (successful validation) <3 seconds
- > Reason of the implementation: System currently does not detect pressure sensor errors; excess pressure is released via the safety valve.

Operating principle

The (rotary vane) pump is running against a closed system, the pressure must increase to minimum 2 bar. After that, the water pressure will be released and must drop below 1 bar.

Exception: Only for machines with Hot & Cold is there a second test where the pressure rises to 10 bar.

If the routine has failed, the following message appears on the touch screen display. "The pressure sensor validation routine indicates an error. Please contact your service provider. The machine will be locked after several successive errors".

After 5 consecutive days of unsuccessful pressure validation routines the machine will be blocked (no further beverage dispensing possible). Unblocking the machine is only possible by resolving the hardware issue. The machine can be restarted at any time. As soon as the sensor validation is successful: the machine will be released for beverage dispensing.

Note

An electrical or mechanical failure of several components can lead to an unsuccessful validation routine:

- > Pressure sensor
- > Rotary vane pump
- > Main water valve (V01)
- > Pressure reducer

SERVICE CONTACT

Global Technical Support Team

GBU Professional Coffee Machines

- > Support Hotline: +41 32 681 62 75 (10:00-11:30 CET/ 15:00-16:30 CET)
- > Support E-Mail: technical-support@schaerer.com