


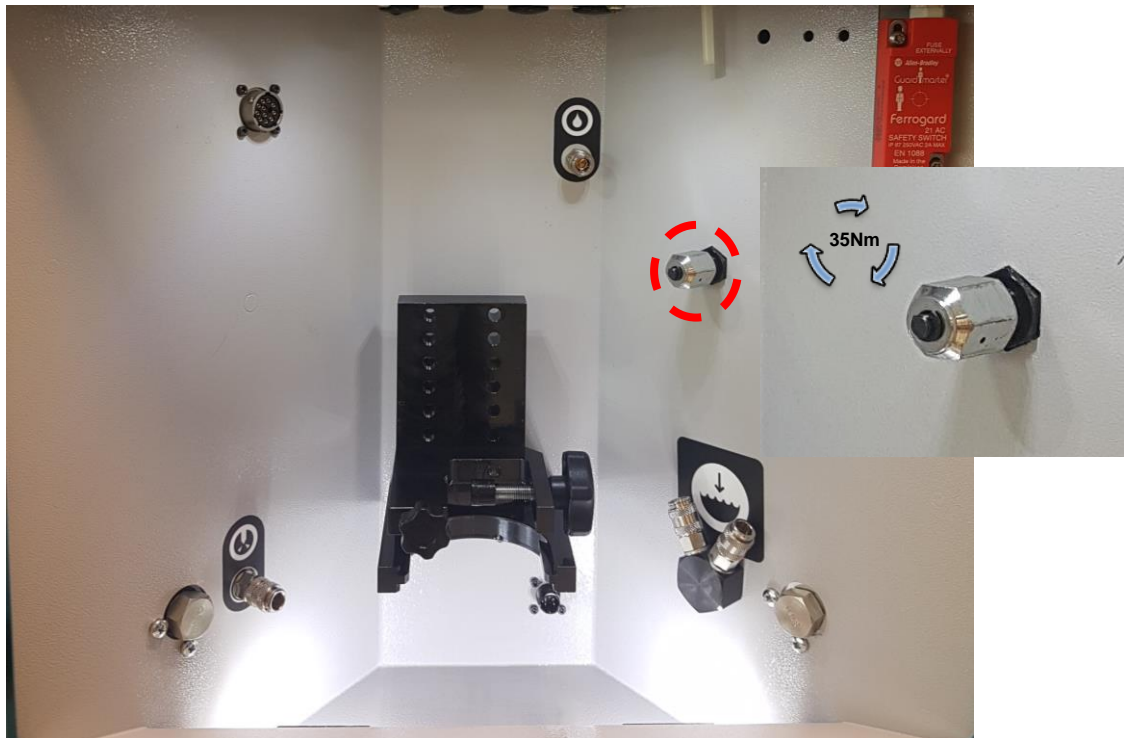
Product: Sabre CRi test bench

Subject: Test bench VCV calibration

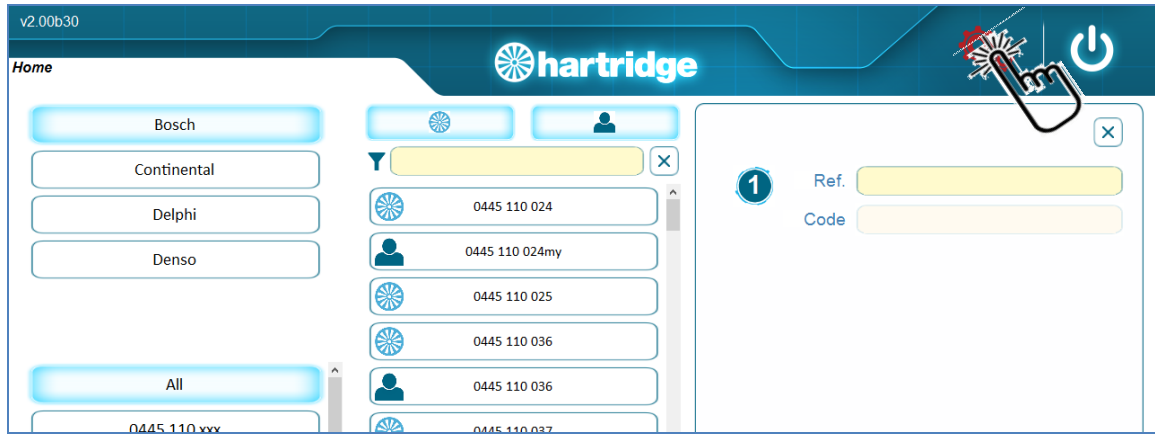
Before the machine can be operated the pump VCV needs to be calibrated. To perform a VCV calibration follow the steps outlined below:

	The VCV calibration routine will operate the machine at maximum rail pressure:
	Sabre CRi Master = 1800bar Sabre CRi Expert = 2700bar
	Ensure that the previous steps have been completed prior to attempting the VCV calibration routine.

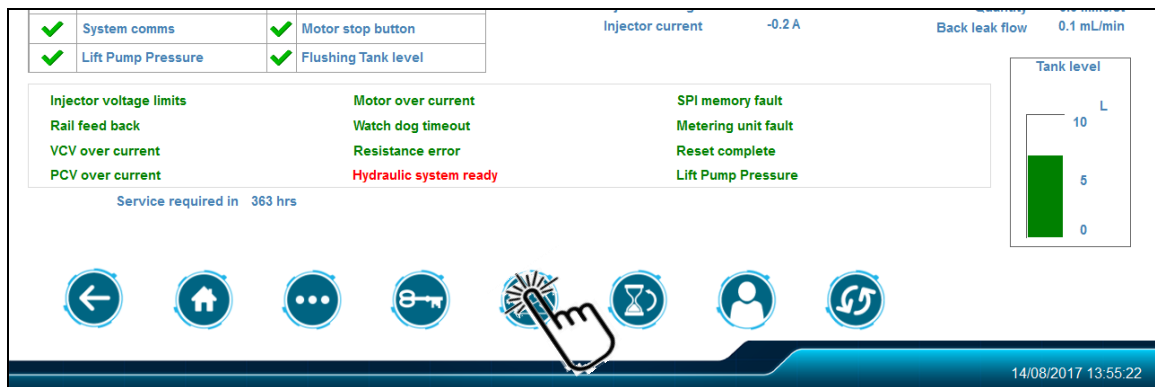
1. Blank off the high pressure bulkhead fitting within the spray chamber using the blanking cap supplied with the machine. **Note: Ensure the blanking plug is torque tightened to 35Nm.**



2. Power on the machine and launch Magmah.
3. Press the diagnostic screen icon.



4. Select the Calibration Icon from the bottom tool bar.



5. Start the motor running via the green button on the front panel of the machine.

Note: check for any leaks from the HP outlet and blanking plug. If leaks are evident then stop the calibration process and rectify the leak.

6. Select the VCV calibration Icon.



7. The machine will automatically perform the VCV calibration routine, typically this takes 90 seconds to complete and the rail pressure will gradually increase to the maximum pressure for the particular machine variant.
8. Wait for the message in the bottom message bar to state the VCV calibration is complete.
9. Stop the motor.
10. VCV calibration is now complete and the machine is ready for use.

Note: The VCV calibration routine must be performed every 90 days to ensure optimum machine operation. The calibration expiry date is shown in the calibration screen.