

# 10 Points on Successful Implementation of the Schroeder TCM-FC Unit

1. Know your oil viscosity at TCM-FC usage temperature. Pressure = flow. Cold oil and small hoses can restrict inlet flow. The unit flows 30 – 300 mL per minute for easy and accurate results. The unit easily handles 3,000 psi.
2. Arrows scroll right and left, plus and minus signs make a change to a menu. OK selects, Esc backs out from the selection. Be sure to save changes.
3. Change your unit's settings by removing power to the unit, hold down any button on the face, and then restore power. This will bring up the programming menu.
4. Often you will make changes that will be to "MTIME" on the programming menu. 10 – 300 seconds are the options for sample times. The unit calculates flow from particle velocity. Very clean oil (11 / 10 / 07) needs longer sample times so the unit sees a few more particles.
5. Free software requires an RS-485 to USB converter if you'll be using a USB port. The converter unit will have a separate driver.
6. Look at the Device Manager to see what port the converter is connected to. Then select the same port within the Contamination Control Software (FluMoS).
7. Open .dat files using excel to view data and for trending analysis
8. Adjust the flow if getting too high or too low
9. Have confidence in the results. They will be cleaner than bottle samples or even older technology online units. Particle count discrepancies between competing brand units often are from individual online conditions or application of the unit.



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