MagIC Net – Adding a Pressure Recorder to a Method

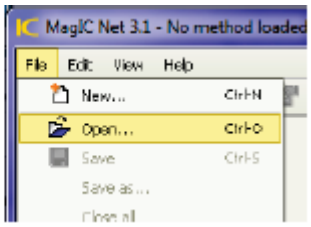
Technology: MagIC Net – Ion Chromatography

Introduction

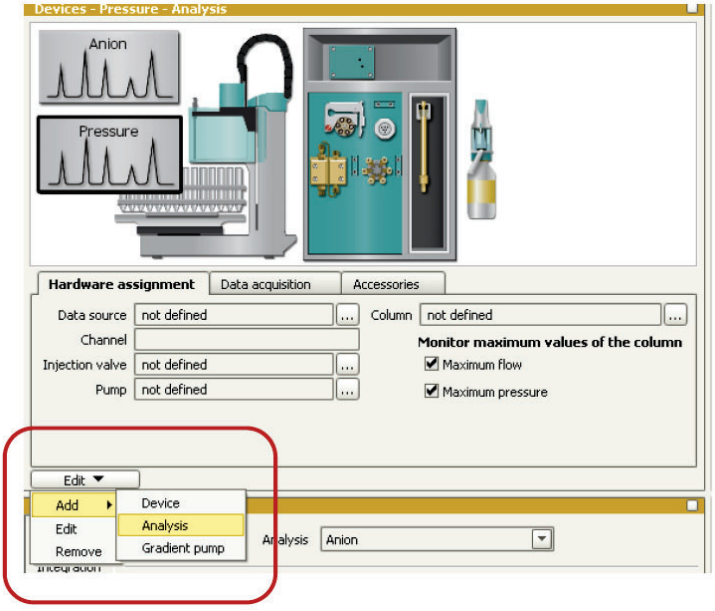
This document outlines the procedure for creating a pressure recorder to a method in MagIC Net. Adding a pressure recorder to the method will provide valuable information regarding the system for issues regarding low pressure, pressure drops, or pressure increases. A pressure variation of 0.5MPa is deemed acceptable.

Instructions

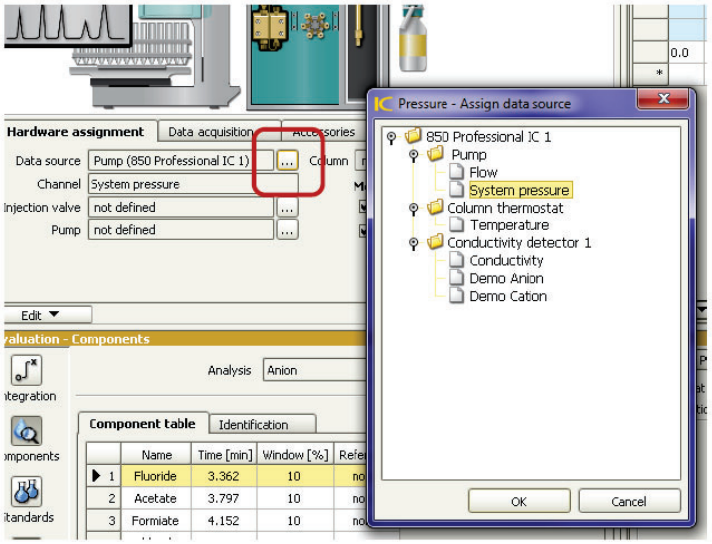
1. Open MagIC Net, go to the Method program part, and open the method by clicking File > Open.



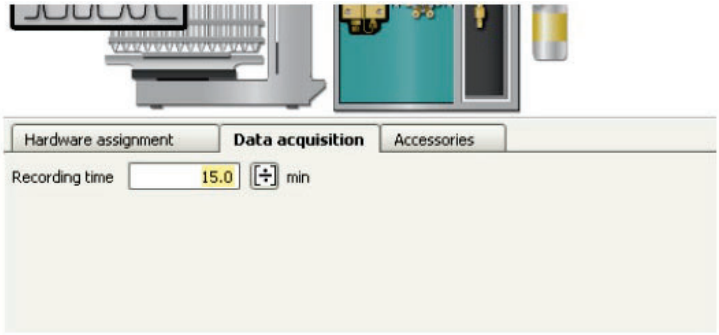
2. In the Devices sub-window, click Edit > Add > Analysis. Name this analysis Pressure.



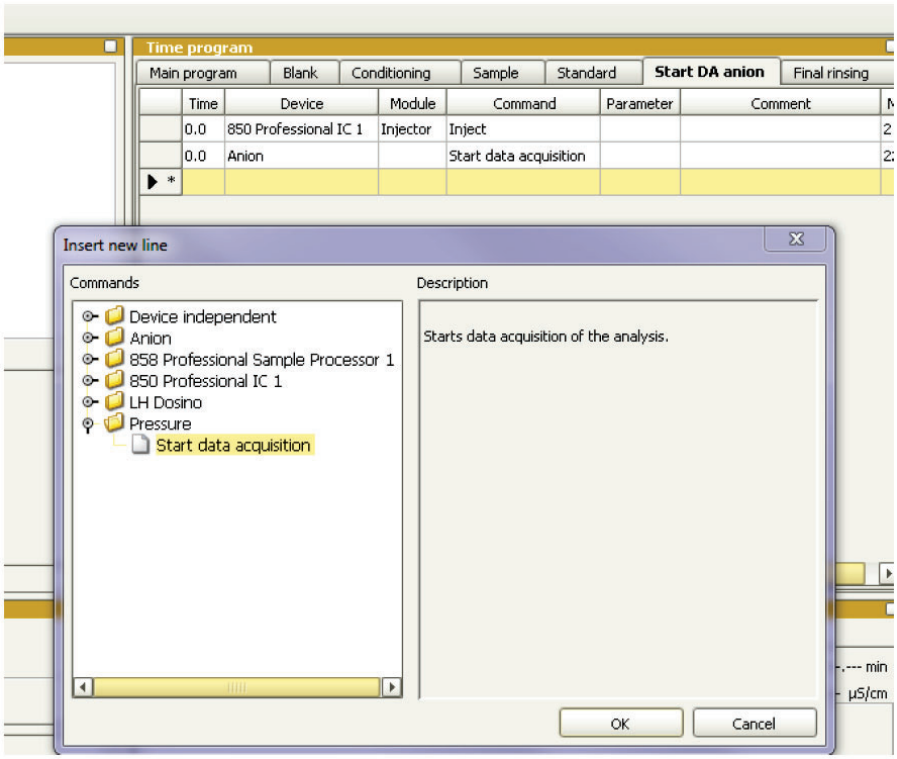
3. Select the Pressure analysis, and next to the Data source box, click the […] button. Select the IC > Pump > System Pressure > Click OK.

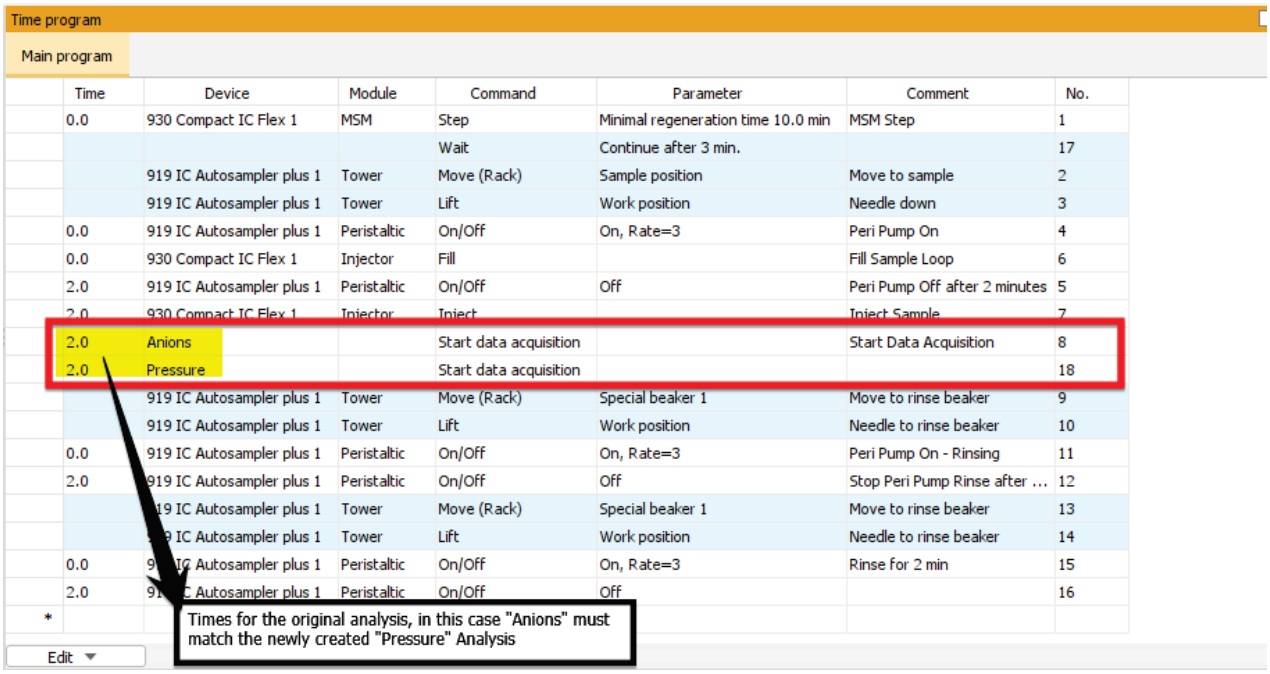


4. Leave the Injection valve, Pump, and Column as "not defined." Also, uncheck Maximum Flow and Maximum pressure below the monitoring options.
5. In the Data Acquisition tab, make sure to set the same Recording time as the main analysis.

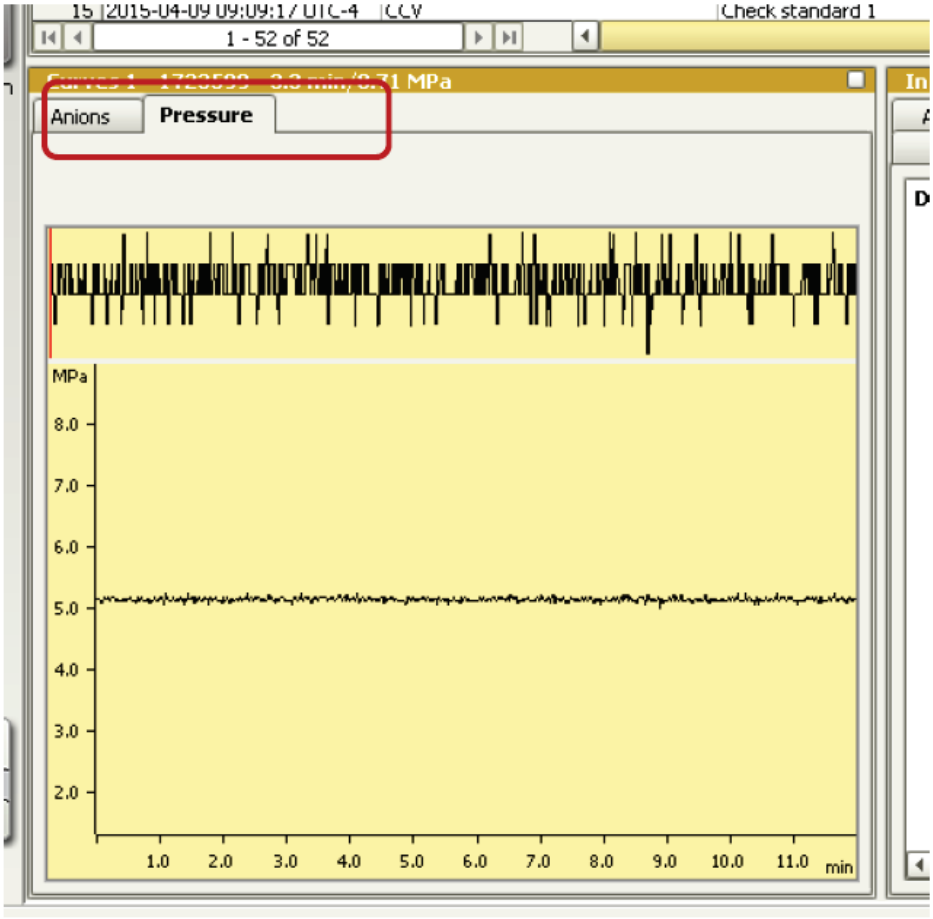


6. In the time program, add a Start Data acquisition command next to every Start data acquisition command for the main analysis (it's possible that it may be in several subprograms, depending on the method). Click Edit > New > Select Pressure > Start Data acquisition > OK. Time will be the same as the main data acquisition command. Screenshots can be found on the next page.





7. Save the method (File > Save) and run an analysis to verify that the system is recording pressure. In the database (after a run), click on the determination and check the "Pressure" tab in the curves sub-window. See the screenshot on the next page.


1 - 52 of 52
Check standard 1
Anions
Pressure
MPa
8.0
7.0
6.0
5.0
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