



M400A LOW FLOW OPTION

I. SCOPE:

To guide you through modifying a M400A to the low flow configuration.

II. PARTS:

KIT000065 X1

III. TOOLS:

Phillips screwdriver
9/16" wrench
Adjustable wrench

IV. PROCEDURE:

- a. Remove power from analyzer & unplug from power source.
- b. Remove the cover from the analyzer
- c. Locate the flow control block in the analyzer. It is between the pump & the power supply module on the right side of the analyzer.
- d. Remove any electrical connectors from the flow control block.
- e. Remove the 9/16" fitting from the left side of the flow control block.
- f. Remove the 9/16" fitting from the pump that goes to the left side of the flow control block.
- g. Remove the two Phillips head screws that mount the block to the chassis.
- h. Remove the block from the analyzer

NOTE: When handling the flow control block be careful not to damage the pins that connect the small printed circuit card to the pressure transducers.

- i. Remove the 9/16" fitting (90 deg fitting) from the left hand side of the flow control block.
- j. Remove the spring, sintered filter, O-ring, orifice & O-ring from the flow control block.
- k. Throw away the old o-rings & the old sintered filter.
- l. Install the new O-ring, orifice, O-ring, sintered filter & spring into the flow control block.
- m. Wrap two turns of Teflon tape onto the 9/16" fitting & screw fitting into the block.
- n. Install the flow control block back into the chassis of the analyzer in the reverse order of the removal.

- o. Install the pneumatics & electrical connections onto the flow control block.
- p. Leak check the analyzer to make sure that all of the fittings are tight & that you do not have any leaks.
- q. Plug the analyzer back in & turn it on.
- r. Push the following buttons: "SETUP_MORE_VARS_929_ENTER_NEXT" to "SAMP_FLOW_SET" press "EDIT"
- s. Key in "190" press "ENTER"
- t. Key in "150" press "ENTER"
- u. Key in "230" press "ENTER"
- v. Press the "NEXT" button until you get to "O3_DWELL", press "EDIT" key in a value of "5.0" and press "ENTER".
- w. Press "EXIT" until you get to the sample menu.
- x. Calibrate the analyzer as you would normally.

If you have questions regarding this procedure or any API equipment, please contact an API Customer Service representative at:

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