



10-004A
18 March, 2010

O3 SCRUBBER PLUMBING

I. PURPOSE:

To give instruction on how to change the way the O₃ Scrubber is plumbed in a NO_x analyzer.

II. TOOLS:

9/16" Wrench

III. PARTS:

N/A



The electronics used in T-API analyzers are sensitive to Electrostatic Discharge (ESD). When working on any T-API device, please ensure that you are properly grounded prior to handling or touching any electronic circuitry in the analyzers! For more information on how to protect sensitive components from ESD during handling, please contact T-API customer service and ask for the ESD Service note number 03-022A.

IV. PROCEDURE:

1. Turn the instrument off and unplug the power cord.
2. Remove the cover of the instrument.
3. Look at the following pneumatic diagrams.
4. Figure 1 is the pneumatic diagram of older instruments. If your instrument has the O₃ scrubber plumbed in this manner you will need to plumb the O₃ scrubber to match the pneumatic diagram in Figure 2

5. Figure 2 is the pneumatic diagram of the newer instruments. As you can see the O₃ scrubber is plumbed between the reaction cell and the vacuum manifold.

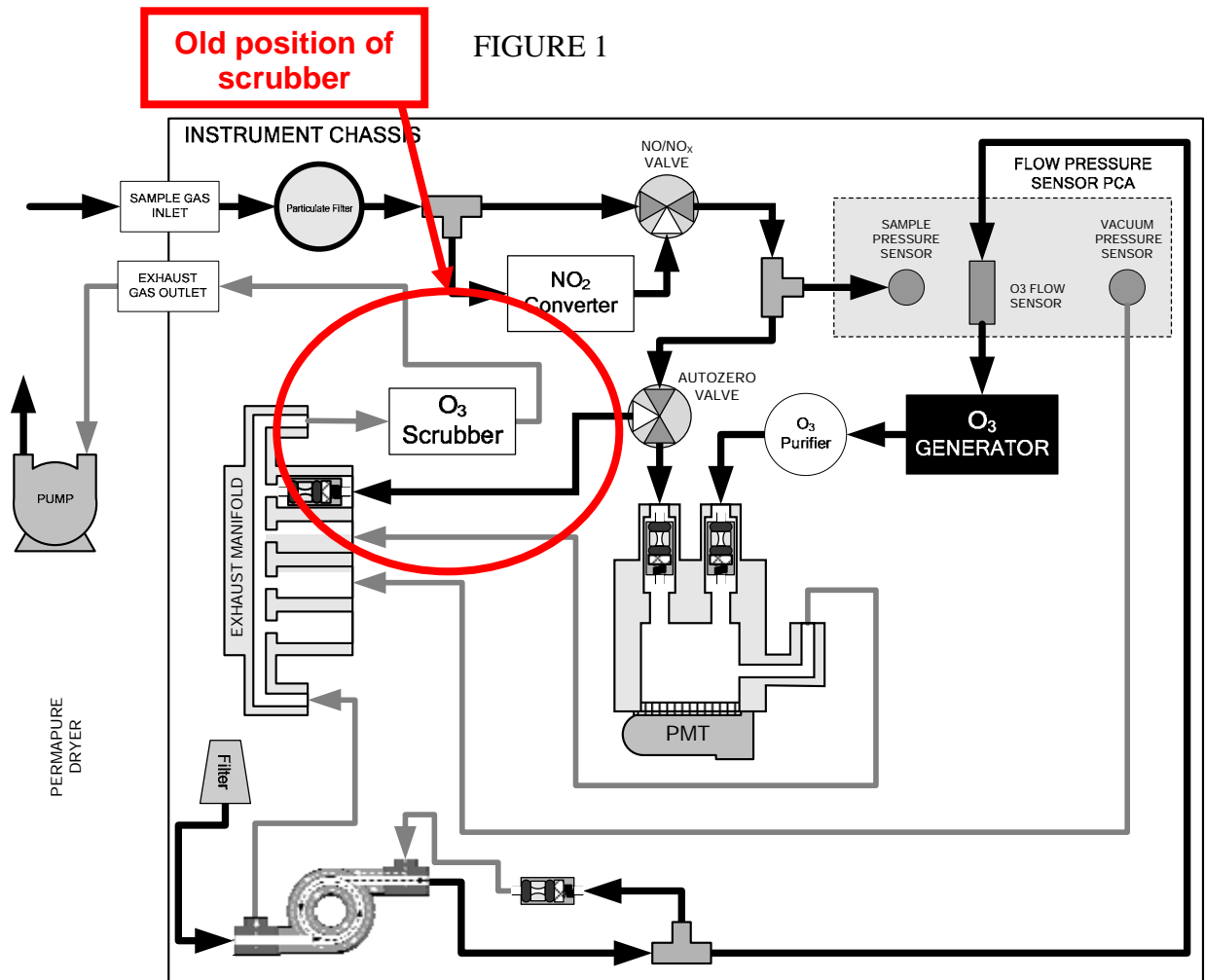
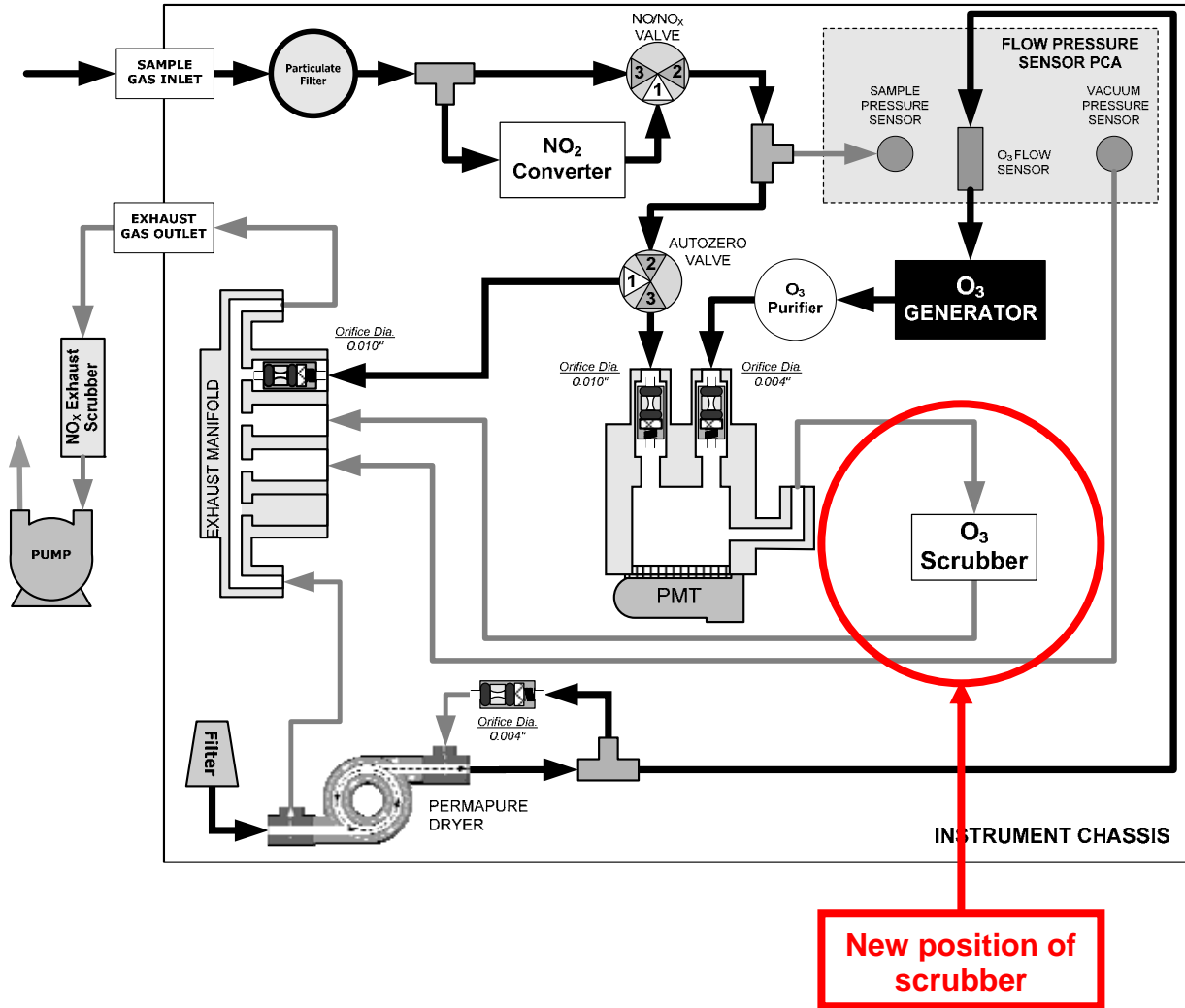


FIGURE 2



6. If you have any questions please contact the Teledyne API Customer Service Department.