



**01-001D**  
**2 May, 2007**

**CONVERTING API ANALYZERS FROM INTERNAL TO EXTERNAL PUMP**

**I. PURPOSE:**

This note provides instruction for conversion of the M400, M400A, M300, M100 and M100A analyzers from an internal pump to an external pump.

**II. SCOPE:**

M400, M400A, M300, M100, M100A analyzers.

**III. TOOLS:**

Adjustable Crescent Wrenches  
Phillips Head Screwdriver  
Electrical tape or shrink tubing

**IV. PARTS:**

Brass 1/4-1/4 Union fitting API PN# FT63

**V. PROCEDURE:**

1. Remove power to the analyzer.
2. Remove top cover of analyzer.
3. Locate internal pump.
4. Remove two power connectors from pump and wrap them in electrical tape or seal them with shrink tubing.
5. Remove two 1/4" tubes from top of pump.
6. Connect the 1/4" tubes to the 1/4 Union.
7. Connect exhaust fitting of analyzer to external pump using 1/4" tubing.
8. Install cover on analyzer.
9. Apply power to analyzer and pump.