

Service Note

A Teledyne Technologies Company 9480 Carroll Park Drive, San Diego, CA 92121-2251 Phone (858) 657-9800 Fax: (858) 657-9818 Toll Free 1800 324-5190 E-mail: api-customerservice@teledyne.com http://www.teledyne-api.com

> 01-035C 2 May, 2007

INSTALLATION OF SAMPLE DRYER TO M300 ANALYZERS

I. <u>PURPOSE</u>:

This note gives instructions on retrofitting a permeation dryer into the Teledyne API M300 CO analyzer.

II. TOOLS:

#2 Phillips Head Screwdriver9/16" wrench7/16" wrench

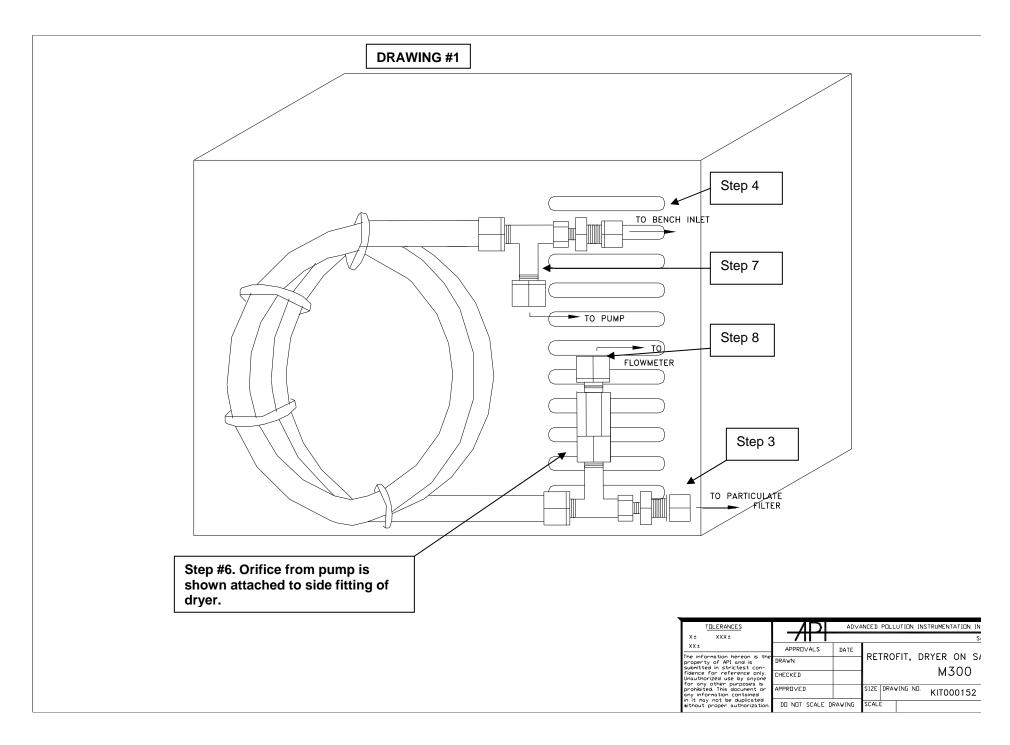
III. <u>PARTS</u>:

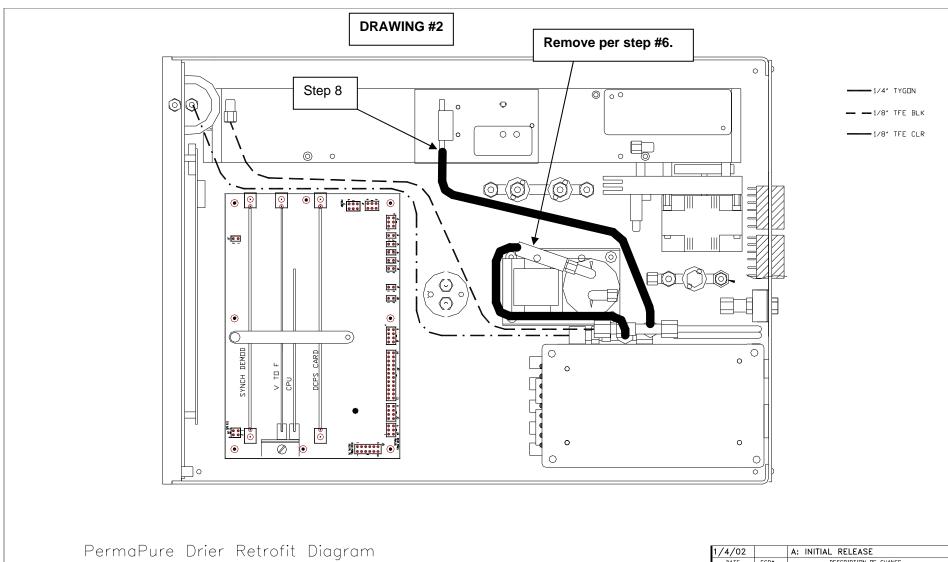
Teledyne API PN# KIT152

IV. <u>PROCEDURE</u>:

- 1. Remove the power cable and cover from the analyzer.
- 2. Locate the particulate filter housing on the front panel of the analyzer. There are two tubes connecting to it. One (short) tube goes to the bench (black); the other, (clear), goes to the rear panel (if you have IZS valves, this second tube will go to a valve). Remove the tube going form the filter housing to the bench, (black).
- 3. Locate the tube connected to the end of the permeation dryer, (Drawing #1). Connect this tube to the Sample Filter Housing (where you removed the small tube in step 3).
- 4. Locate the tube connected to the other end of the tee on the permeation dryer, (Drawing #1). Connect this tube to the bench inlet.
- 5. Locate the Tygon tube connecting the Flowmeter to the orifice housing on the pump. Disconnect this tube and set it aside.
- 6. Remove the Orifice Housing from the Pump, (Drawing #2) and attach it to the side fitting on the Dryer (Drawing #1).
- 7. Locate the Tygon tube connected to the permeation dryer (Drawing #1) and connect it to the Flowmeter (Drawing #2).
- 8. Take the tube you removed in step #5 and connect it from the open port of the pump to the Orifice Housing (installed on the dryer in step #6).
- 9. Replace the cover on the analyzer.
- 10. Power the analyzer on and wait 30 minutes for stabilization prior to performing zero and span calibrations.

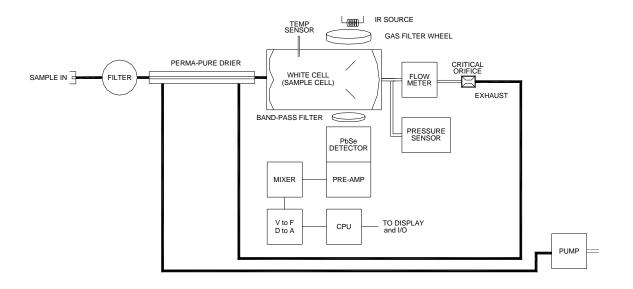
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	1/4/02	A: INITIAL RELEASE							
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XX± The information hereon is the property of API and is submitted in strictest con- fidence for reference only. Unauthorized use by anyone for any atther purposes is prohibited. This document on it not not be subjicated without proper authorization.	APPROVAL:	S DAT		RETROFIT, DRYER ON SAMPLE INL					
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M300 Analyzer with Sample Drier



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