



**TELEDYNE
INSTRUMENTS**

Advanced Pollution Instrumentation

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SERVICE NOTE

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M700 MFC BACKPRESSURE LEAKAGE

I. SCOPE:

This Service Note addresses a very minor anomaly in the M700 calibrator.

II. BACKGROUND:

When any MFC is off, zero drive and zero feed back will have some flow through the MFC. The MFC will not close 100% therefore the reference gas will leak into the stream and cause some level of gas to be built up. The manufacturer specification for the backpressure flow can be as high as 2%, but typically is much less. When doing an MFC flow check, if the flow is measured at the tubing connection at the output of the MFC rather than the output of the calibrator, this will eliminate back pressure flow through the MFC.

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

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