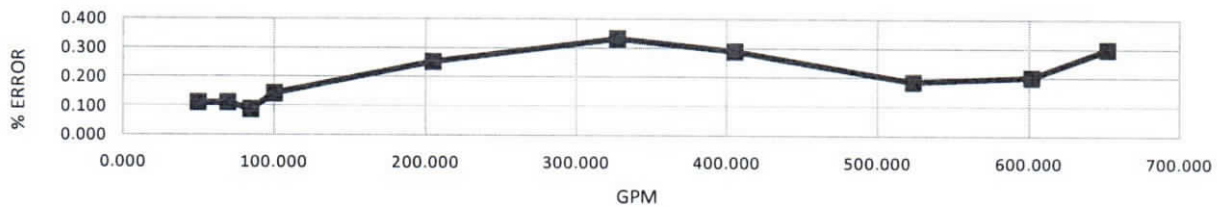


## CERTIFICATE OF CALIBRATION

<b>CUSTOMER:</b>	TEKSCO USA HARLINGEN, TX	<b>CALIBRATION DATE:</b>	06/01/17
<b>PO NUMBER:</b>	20170501	<b>CALIBRATION DUE:</b>	06/01/18
<b>INST. MANUFACTURER:</b>	COMPU-FLOW	<b>PROCEDURE:</b>	NAVAIR17-20MG,NIST250
<b>INST. DESCRIPTION:</b>	INSERTION MAGNETIC FLOWMETER	<b>CALIBRATION FLUID:</b>	H2O @ 70F
<b>MODEL NUMBER:</b>	CEM 55110	<b>ARRIVAL CONDITIONS:</b>	WITHIN MFG. SPECS
<b>SERIAL NUMBER:</b>	98438	<b>RETURNED CONDITIONS:</b>	WITHIN MFG. SPECS
<b>RATED UNCERTAINTY:</b>	+/- 1.0% RD	<b>AMBIENT CONDITIONS:</b>	758mmHGA 53%RH 72°F
<b>UNCERTAINTY GIVEN:</b>	TOTAL measurement uncertainty +/- .20% RD K=2	<b>CERTIFICATE FILE #:</b>	473100.2017

**NOTES:** \*\*CALIBRATED ON 3 INCH PIPE SCH 40, ID: 3.068, K.FACTOR: 077\*\* \* INDICATED DATA ONE MINUTE AVERAGE \*

TEST POINT NUMBER	UUT INDICATED* GPM	ACTUAL DM.STD. GPM	ACTUAL ERROR % RD.
1	49.8	49.855	0.110
2	69.6	69.677	0.111
3	84.6	84.674	0.087
4	100.2	100.342	0.142
5	204.3	204.815	0.252
6	326.2	327.283	0.332
7	404.2	405.369	0.289
8	522.6	523.563	0.184
9	600.6	601.788	0.201
10	650.3	652.239	0.298



**STANDARDS USED:**

A710 (SERAFIN VOLUME PROVER 0-100GPM) +/- .022% BY VOLUME CMC +/- .2% RD FLOW TRACE# 1446135470,14248463640	DUE	12/15/17
A350 (PLATFORM SCALE & TANK: 10,000LBS/ 50-2800GPM) +/- .075 BY MASS TRACE# 1446135470,148647626	DUE	12/09/17

All instruments used in the performance of the shown calibration have traceability to the National Institute of Standards and Technology (NIST). The uncertainty ratio between the calibration standards (DM.STD.) used and the unit under test (UUT) is a minimum of 4:1, unless otherwise noted. Calibration has been performed per the shown procedure number, in accordance with ISO 10012:2003, ISO 17025:2005, ANSI/NCSL-Z-540.3, and/or MIL-STD-45662A. Test methods: API2530-92 & ASME MFC-3M-1989.

**Dick Munns Company • 10572 Calle Lee #130 • Los Alamitos, CA 90720**  
Phone (714) 827-1215 • Fax (714) 827-0823

This Calibration Certificate shall not be reproduced except, in full, without approval by DICK MUNNS COMPANY. The data shown applies only to the instrument being calibrated and under the stated conditions of calibration.

Date:

Approved By:

Calibration Technician:

6/1/17

