

## **Certificate of Calibration**

## Report number C00430

Manufacturer	Model	Pressure Range	Serial Number	Calibration Date	Expiration Date
Chicago Stainless Equipment, Inc.	3C-E-15U-GF-BT-CD	160 PSI	13071558	7/18/2013	7/18/2014

All instrument calibrations are verified for accuracy before they are shipped. The recommended calibration interval for this instrument is 12 months from the date of verification. Your particular quality assurance requirements may supersede this recommendation.

Test Results: In Tolerance

DifferenceIndicated fedding minds feference fedding.Relative Difference(Difference / reference reading) x 100Allowable Tolerance± according to manufacturer's specifications.Water columnReferenced at 20° C and 1 atmosphere.Test Accuracy RatioAt least 4:1 unless otherwise stated.	Definitions:	Allowable Tolerance Water column	± according to manufacturer's specifications. Referenced at 20° C and 1 atmosphere.
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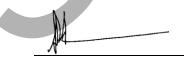
Laboratory ambient conditions throughout this calibration were:

Temperature: 73 to 80° F

This certification was made by direct comparison to master gauges which are periodically referred to one or more of the primary standards traceable to National Institute of Standards & Technology or other national physical measures recognized by NIST. The accuracy has been certified at every major subdivision on the dial face. Reference Standards used in this calibration are traceable to the National Institute of Standards and Technology of the United States, through the following report numbers:

Manufacturer	Model	Serial Number	Report Number	Due Date	Reference Uncertainty
Crystal Engineering	300PSIXP2I	867521	CSE010:11,358	6-Jun-14	0-20% of FS: +/- 0.02% FS, 20%- 100% of FS: +/- 0.1% reading; Vacuum: +/- 0.25% of 14.5PSI/100kPa/1BAR

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Laboratory Representative

Quality Representative

## CHICAGO STAINLESS EQUIPMENT

**Test Results** Report number C00430 Serial No. 13071558

## **Test Results**

Test Results				160	PSI
Reference	Gauge	Condition	Difference	Difference	Allowable
Reading	Reading			(% of FS)	Tolerance
0.00	0	Pass	0.00		1.20
20.17	20	Pass	-0.17	-0.11%	1.20
40.22	40	Pass	-0.22	-0.14%	1.20
60.33	60	Pass	-0.33	-0.21%	1.20
80.24	80	Pass	-0.24	-0.15%	1.20
100.22	100	Pass	-0.22	-0.14%	1.20
120.14	120	Pass	-0.14	-0.09%	1.20
140.16	140	Pass	-0.16	-0.10%	1.20
160.07	160	Pass	-0.07	-0.04%	1.20
140.33	140	Pass	-0.33	-0.21%	1.20
119.94	120	Pass	0.06	0.04%	1.20
99.82	100	Pass	0.18	0.11%	1.20
79.98	80	Pass	0.02	0.01%	1.20
60.04	60	Pass	-0.04	-0.03%	1.20
40.22	40	Pass	-0.22	-0.14%	1.20
20.11	20	Pass	-0.11	-0.07%	1.20
0.00	0	Pass	0.00		1.20

AL Head correction:

0.00 PSI