



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc., has assessed the Laboratory of:

**Waukee Engineering Company, Inc.
5600 W. Florist Avenue
Milwaukee, WI 53218**

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2005

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated January 2009):

**Calibration of Gas and Liquid Flow Meters
(As detailed in the supplement)**

Such testing and/or calibration services shall only be offered at or from the address given above. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

The validity of this certificate is mandated through ongoing surveillance.

Tracy Szerszen
President/Operations Manager

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:
May 08, 2003

Issue Date:
March 07, 2011

Revision Date:
June 21, 2011

Expiration Date:
March 06, 2013

Accreditation No.:
59189

Certificate No.:
L11-35-R1

Page No.:
Page 1 of 2



Certificate of Accreditation: Supplement

Waukee Engineering Company, Inc.
5600 W. Florist Avenue
Milwaukee, WI 53218

Accreditation is granted to this facility to perform the following calibrations:

Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Gas Flow	0.028 m ³ /h to 0.481 m ³ /h (1 cfh to 17 cfh)	0.355 % of reading	Wet Test Meter (American) 17 cfh
	0.340 m ³ /h to 3.398 m ³ /h (12 cfh to 120 cfh)	0.357 % of reading	Wet Test Meter (American) 120 cfh
	0.680 m ³ /h to 6.796 m ³ /h (24 cfh to 240 cfh)	0.354 % of reading	Wet Test Meter (American) 240 cfh
	2.265 m ³ /h to 22.653 m ³ /h (80 cfh to 800 cfh)	0.397 % of reading	Roots Meter (Dresser) 800 cfh
	4.248 m ³ /h to 42.475 m ³ /h (150 cfh to 1 500 cfh)	0.25 % of reading	Roots Meter (Dresser) 1 500 cfh
	31.149 m ³ /h to 311.485 m ³ /h (1 100 cfh to 11 000 cfh)	0.442 % of reading	Roots Meter (Dresser) 11 000 cfh
	158.574 m ³ /h to 1 585.743 m ³ /h (5 600 cfh to 56 000 cfh)	0.437 % of reading	Roots Meter (Dresser) 56 000 cfh
Liquid Flow	3.785 L/h to 94.635 L/h (1 gph to 25 gph)	1.690 % of reading	Graduated Cylinders

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represent the smallest measurement uncertainties attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is expressed at a confidence level of 95 % using a coverage factor k (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.