PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Flow Management Devices, LLC

5225 South 37th Street, Suite 4, Phoenix, AZ 85040

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

ISO/IEC 17025:2017

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 April 2017):

Mechanical Calibration

(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. 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:

Tracy Szerszen
President

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

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
June 11, 2012	November 08, 2024	January 31, 2027

Accreditation No.:	*Certificate No.:*
73638	L24-856

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjlabs.com

Certificate of Accreditation: Supplement

Flow Management Devices, LLC
5225 South 37th Street, Suite 4, Phoenix AZ 85040
Contact Name: Mr. Adam Smith Phone: 602-581-5092

Accreditation is granted to the 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 (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Captive Displacement Provers ANSI 150 to 900 Pressure Rating [FOM]	0.5 gal	0.075 % of Reading	Class 1 Weights Bench Scale Pressure Standard Temperature Standard Barometer Standard	Gravimetric Water Draw WI 8.5-01 (API MPMS Ch. 4 / 11 thru 14)
	0.7 gal	0.054 % of Reading		
Captive Displacement Provers ANSI 150 to 1500 Pressure Rating [FOM]	1 gal	0.038 % of Reading		
	2 gal	0.021 % of Reading		
	4 gal	0.01 % of Reading		
	5 gal	0.008 % of Reading		
	5 gal	0.03 % of Reading	Class 1 Weights Floor Scale Pressure Standard Temperature Standard Barometer Standard	
	10 gal	0.015 % of Reading		
	15 gal	0.011 % of Reading		
	20 gal	0.008 % of Reading		
	25 gal	0.007 % of Reading		
	30 gal	0.006 % of Reading		
	35 gal	0.006 % of Reading		
	40 gal	0.005 % of Reading		
	50 gal	0.005 % of Reading		
	60 gal	0.004 % of Reading		
	80 gal	0.008 % of Reading		
Captive Displacement Provers ANSI 150 to 900 Pressure Rating [FOM]	30 gal	0.006 % of Reading		
	40 gal	0.005 % of Reading		
	42 gal	0.005 % of Reading		
	60 gal	0.004 % of Reading		
	90 gal	0.007 % of Reading		
	100 gal	0.007 % of Reading		
	126 gal	0.011 % of Reading		
	140 gal	0.011 % of Reading		
	150 gal	0.01 % of Reading		
	168 gal	0.009 % of Reading		
	210 gal	0.012 % of Reading		

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represents the smallest measurement uncertainty attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is typically 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.

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

2. The laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.

3. The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location.

4. The presence of a superscript O means that the laboratory performs calibration of the indicated parameter onsite at customer locations.

5. The presence of a superscript M means that the laboratory performs calibration of the indicated parameter in a mobile facility.

6. Measurement uncertainties obtained for calibrations performed at customer sites can be expected to be larger than the measurement uncertainties obtained at the laboratories fixed location for similar calibrations. This is due to the effects of transportation of the standards and equipment and upon environmental conditions at the customer site which are typically not controlled as closely as at the laboratories fixed location.