

CALIBRATION CERTIFICATE

Certificate No.:	QC240101-01	Date of Calibration:	01-01-2024
Customer Name:	Egyptian Maintenance(EMC) Company IRAQ	Due Date of Calibration:	31-12-2024
Instrument under Calibration:	Airless Spray Machine		
Serial Number of Equipment	A20A		
Model No. :	XL70-180	Manufacturer:	GRACO
Calibration Method:	Based on <u>DCL-2003</u> ; The reported uncertainty is the expanded uncertainty with k=2 according to the ISO/IEC "Guide to the expansion of uncertainty in measurement" providing a level of confidence of approximately 95%		

Equipment used for calibration:

1. Digital Tachometer Manufacturer: AMPROBE
2. Digital Pressure Gauge Manufacturer: Sino Instruments China

Serial No.	Model No.	Range	Traceability	Due Date
28720012	TACH 20	0~5000 RPM	LT-220828-23	27, Aug, 2024
1505119397	HS108	0~1600 BAR	LT-220828-26	27, Aug, 2024

Environmental Conditions during calibration:

30.1 % RH	Calibration Temperatures Mean: 35.6 °C
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RESULTS

QC Job Reference No.	QC/JN/24/001
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The instrument under calibration was calibrated up to full scale according to the used standard calibration method. The following gives the under test readings and the corresponding reference mean readings:

Unit Under Calibration (MPa)	Reference Instrument Reading (MPa)	Reference Value (MPa)	
		Pressure Rising	Pressure Falling
0	0.00	0.00	0.00
0.2	0.21	0.21	0.21
0.4	0.41	0.41	0.41
0.6	0.61	0.61	0.61
0.8	0.82	0.82	0.82
1	1.01	1.01	1.01

Unit Under Calibration (RPM)	Reference Instrument Reading (RPM)	Reference Value (RPM)	
		Value Rising	Value Falling
10	10.02	10.02	10.02
20	20.02	20.02	20.02
30	30.02	30.02	30.02
60	60.02	60.02	60.02

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Air Driven Pump Function Details

Flow	2.86 gpm	Tested Found OK
Cycle/gallon	21	Tested Found OK
Cycle/Liter	5.5	Tested Found OK
Max Sped	60 Cycle/mint	Tested Found OK

Hereby confirm that SANDBLAST Machine Serial Number: **A20A** are **(FIT)** for further Services

Uncertainty of measurements: $\pm (0.5)$ BAR
 Uncertainty of measurements: $\pm (1)$ RPM

The accuracy was found to be: 1.0 % F.S.

The Instrument Specification

- This calibration was carried out in compliance with the *ISO/IEC 17025*.
- The standard/standards used in this calibration is/are traced to the SI unit of pressure through traceability to primary standards maintained in the National Institute of Standards (NIS)
- This calibration certificate refers only to the particular item submitted for calibration
- This certificate shall not be reproduced, unless written permission has been obtained from the lab
- Customer should ensure comparing between instrument data sheet and the above results before assembly.
- This certificate is valid only with signature and stamp.

Calibrated By:
Signature:

