



Order Number:	22679
Serial # / Local I.D. #:	5338780000001
Calibration Date:	5/20/2025
Recommended Due Date:	5/20/2026
Certificate Number:	533878000000145797
Condition Found:	
Condition Left:	In Calibration

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## 170-00-4S 115v 4 Unit HTHP Filter Press Calibration Report

Thermocouple Calibration Check			°F or °C		°F	
Dry Block Temperature	100	200.0	400.0	Allowed Deviation	Actual Deviation	Pass / Fail
Thermocouple Cell 1	100	200	401	2	1.0	Pass
Thermocouple Cell 2	100	200	401	2	1.0	Pass
Thermocouple Cell 3	100	200	400	2	0.0	Pass
Thermocouple Cell 4	99	199	399	2	1.0	Pass
Dry Block I.D. Number		700	Certificate Number		C-48416	
Model Number	ETC-400A		Calibration Date		3/21/2025	
Serial Number	704749-02572		Calibration Due Date		3/21/2026	

High Pressure Line Check							
Station	Target Pressure	Start Pressure	Final Pressure	Duration (10 Min)	Allowed Deviation	Actual Deviation	Pass / Fail
Station 1	1215 - 1485	1230 PSI	1221 PSI	10 Min	- 15 PSI	9 PSI	Pass
Station 2	1215 - 1485	1216 PSI	1213 PSI	10 Min	- 15 PSI	3 PSI	Pass
Station 3	1215 - 1485	1240 PSI	1236 PSI	10 Min	- 15 PSI	4 PSI	Pass
Station 4	1215 - 1485	1215 PSI	1211 PSI	10 Min	- 15 PSI	4 PSI	Pass

MASTER GAUGE MUST BE WITHIN 25 PSI OF TARGET PRESSURE

High Pressure Gauge Calibration Check							
Cell	Target Pressure	Master Gauge Reading	Unit Reading	Allowed Deviation	Actual Deviation	Pass / Fail	
Cell 1	375 PSI	376 PSI	380 PSI	± 35 PSI	4 PSI	Pass	
	750 PSI	751 PSI	750 PSI	± 35 PSI	1 PSI	Pass	
	1125 PSI	1130 PSI	1130 PSI	± 35 PSI	0 PSI	Pass	
Cell 2	375 PSI	362 PSI	360 PSI	± 35 PSI	2 PSI	Pass	
	750 PSI	758 PSI	760 PSI	± 35 PSI	2 PSI	Pass	
	1125 PSI	1126 PSI	1140 PSI	± 35 PSI	14 PSI	Pass	
Cell 3	375 PSI	363 PSI	380 PSI	± 35 PSI	17 PSI	Pass	
	750 PSI	732 PSI	740 PSI	± 35 PSI	8 PSI	Pass	
	1125 PSI	1121 PSI	1120 PSI	± 35 PSI	1 PSI	Pass	
Cell 4	375 PSI	383 PSI	380 PSI	± 35 PSI	3 PSI	Pass	
	750 PSI	764 PSI	780 PSI	± 35 PSI	16 PSI	Pass	
	1125 PSI	1131 PSI	1130 PSI	± 35 PSI	1 PSI	Pass	
Master Gauge I.D. Number		143	Certificate Number		C-46728		
Model Number	M1 series		Calibration Date		1/30/2025		
Serial Number	251359		Calibration Due Date		1/30/2026		

Low Pressure Line Check							
Station	Target Pressure	Start Pressure	Final Pressure	Duration (10 Min)	Allowed Deviation	Actual Deviation	Pass / Fail
Station 1	675 - 825	736 PSI	730 PSI	10 Min	- 10 PSI	6 PSI	Pass
Station 2	675 - 825	735 PSI	731 PSI	10 Min	- 10 PSI	4 PSI	Pass
Station 3	675 - 825	755 PSI	751 PSI	10 Min	- 10 PSI	4 PSI	Pass
Station 4	675 - 825	750 PSI	748 PSI	10 Min	- 10 PSI	2 PSI	Pass

Low Pressure Gauge Calibration Check							
Cell	Target Pressure	Master Gauge Reading	Unit Reading	Allowed Deviation	Actual Deviation	Pass / Fail	
Cell 1	250 PSI	258 PSI	260 PSI	± 25 PSI	2 PSI	Pass	
	500 PSI	496 PSI	500 PSI	± 25 PSI	4 PSI	Pass	
	750 PSI	756 PSI	760 PSI	± 25 PSI	4 PSI	Pass	
Cell 2	250 PSI	255 PSI	260 PSI	± 25 PSI	5 PSI	Pass	
	500 PSI	497 PSI	500 PSI	± 25 PSI	3 PSI	Pass	
	750 PSI	743 PSI	740 PSI	± 25 PSI	3 PSI	Pass	
Cell 3	250 PSI	244 PSI	240 PSI	± 25 PSI	4 PSI	Pass	
	500 PSI	505 PSI	500 PSI	± 25 PSI	5 PSI	Pass	
	750 PSI	754 PSI	760 PSI	± 25 PSI	6 PSI	Pass	
Cell 4	250 PSI	257 PSI	260 PSI	± 25 PSI	3 PSI	Pass	
	500 PSI	503 PSI	500 PSI	± 25 PSI	3 PSI	Pass	
	750 PSI	749 PSI	740 PSI	± 25 PSI	9 PSI	Pass	
Master Gauge I.D. Number		143	Certificate Number		C-46728		
Model Number		M1 series		Calibration Date		1/30/2025	
Serial Number		251359		Calibration Due Date		1/30/2026	

This report meets or exceeds the requirements outlined in API SP 13A Specification for Drilling-Fluid Materials for calibration of laboratory devices, using certified master test equipment that is traceable to NIST which is a signatory to the Mutual Recognition Arrangement (MRA) with the International Laboratory Accreditation Cooperation (ILAC).

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Magdy beshay  
Calibration Technician

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5/20/2025  
Calibration Date

\_\_\_\_\_  
Samantha Korenek  
Reviewed By

\_\_\_\_\_  
5/28/2025  
Reviewed Date