



HYDROSTATIC MODIFIED PROOF PRESSURE TEST RETEST DATA SHEET FOR NON SPECIFICATION CYLINDERS

Office _____

System accuracy verification to be performed with calibrated cylinder prior to each day of testing

Test Date: _____

No.	Name of Cylinder Owner (“)	Serial Number		Manufacture Model Number	Year of MFG	MFG Name - Symbol - ID (“)	Gas Service (*)	Physical Size DIA x LGTH (“)	Marked Service Pressure	Actual Test Pressure	Visual Insp		Test Results		Disposition Code (**)	Repeated Test Y or N	Retest Operator (“)
		Manufacture Label Serial Number	Pass								Fail	Pass	Fail				
1																	
NOTE:																	
2																	
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NOTE:																	
12																	
NOTE:																	

Must note reason for Retest / Rejection / Condemnation. Entry for a repeated test must indicate the date of the earlier test, if conducted on a different day

(*) Gas Service

- ND - Nitrogen & Dry Chem
- NH - Nitrogen & Halon
- ArHT - Argon & Halotron
- N2WB - Nitrogen & Water Based
- N2FE36 - N2 & FE 36

(**) Disposition Codes:

- A - Return to Service
- B - Hold for retest (specify as note)
- C - Rejected (specify as note)
- D - Condemned (specify as note)
- E - Other (specify as note)



TEST APPARATUS CALIBRATION VERIFICATION DATA FOR MODIFIED (PROOF) PRESSURE TESTING

DATE: _____

TIME: _____ AM PM

RETEST OPERATOR: _____

VERIFICATION CYLINDER SERIAL NUMBER: _____

A	B	C
Verification Pressure(s) Established on Referee / Master Gauge (PSI)	Pressure Reading on Working Gauge (PSI)	% Deviation $\frac{A-B}{A} \times 100 = \%$

Example:

500	498	0.40%
(500 - 498 = 2.0 ÷ 500 = .004 x 100 = 0.4%)		

To Verify:

- A) Establish verification pressure(s) on Referee / Master Gauge (column A)
- B) Note pressure on Working Gauge (column B)
- C) The difference between A and B must be <1% of the verification pressure value (column C)

Type of Gauge	Requirements	Re-Calibration Requirements
Working Gauge:	Accurate to within ± 1% of the prescribed test pressure of any cylinder being tested that day	6 Months
	Certified as having accuracy of ± .5% of it's full range	
	Permit readings of pressure from 90 - 110% of the minimum prescribed test pressure of the cylinder being tested	
Referee Gauge:	Has equal accuracy to the working gauge and has not been in use as a Working Gauge. May be used as a Referee Gauge for a period of 6 months, followed by up to 6 months use as a Working Gauge	6 Months
Master Gauge:	Has better accuracy than the Working Gauge and can not be used as a Working Gauge	12 Months

Instructions

The test system must be verified to 1% accuracy, within 10% of the test pressure(s) being conducted that day prior to testing by use of an in line Referee or Master Gauge.

Examples:

If testing cylinders @ (PSI)	10% of test pressure is:	Must verify within the range of: (PSI)
200	20	180-220
300	30	270-330
330	33	297-363
350	35	315-385
390	39	351-429
400	40	360-440
420	42	378-462
450	45	405-495
500	50	450-550
585	59	526-644
600	60	540-660
700	70	630-770
720	72	648-792

Highlighted pressures noted to the right should be used for daily Verification

Note: Certificates of calibration for gauges should be maintained on file with a copy kept in close proximity to the test apparatus