


SPECIFICATIONS

SPECIFICATION	DOT-8	TC-8WM CONVERTED	TC-8WM
CYL. WATER CAP. (MIN)	38.0 LBS 1055 IN ³	38.0 LBS 1055 IN ³	17.2 Kg 17.3 L
(MAX)	38.7 LBS 1075 IN ³	38.7 LBS 1075 IN ³	17.6 Kg 17.6 L
CYL. SHELL WT (AVE.)	30.0 LBS	30.0 LBS	13.6 Kg
WORKING PRESSURE	250 PSIG	250 PSI	1.72 MPa
TEST PRESSURE	500-600 PSIG	508-595 PSI	3.5 - 4.1 MPa
HYDROTEST PRESSURE	750 PSIG	754 PSI	5.2 MPa
AVE. YIELD STRENGTH	30,000 PSIG	30,000 PSI	207 MPa
AVE. TENSILE STRENGTH	48,000 PSIG	---	---
MIN. TENSILE STRENGTH	---	48,422 PSI	354 MPa
MAX. CYL WALL STRESS	---	25,962 PSI	179 MPa
ACTUAL CYL. WALL STRESS	24,148 PSIG	24,276 PSI	167.3 MPa
MATERIAL	SAE 1010	C-1010	C-1010

**CONFIDENTIAL
DO NOT DUPLICATE**

**NON-CONTROLLED DOCUMENT
QA/PC DEPARTMENT
REFERENCE ONLY**

- NOTES:
1. THIS DIMENSION IS APPROXIMATE, CONTROL PARAMETER IS WATER CAPACITY.
 2. ALL DIMENSIONS AND SPECIFICATIONS ARE NOMINAL UNLESS OTHERWISE SPECIFIED.
 3. VALVE HAS BEEN OMITTED FOR CLARITY.
 4. UNITS ARE INCHES.
 5. TRIM 3RD DRAW S-145 TO 26.000" BEFORE FINAL DRAW.

6	ADD NOTE 5	DLH	6/5/17
REV	DESCRIPTION	BY	DATE
		HUNTSVILLE FACILITY 521 GREEN COVE ROAD HUNTSVILLE, AL 35803 USA	
DRWN: D. HARRIS	TOLERANCES (EXCEPT NOTED)	TITLE: S-100 ACETYLENE CYLINDER	
APPD: DLH 6/5/17	UNITS INCHES (mm)	DATE: 8/21/86	DRAWING NUMBER: HV-C-0100
APPD: JW 6/5/17	SCALE: NONE		