



SPECIFICATIONS

SPECIFICATION	DOT-8	DOT-8AL	TC-8WM CONVERTED	TC-8WAM CONVERTED	TC-8WM	TC-8WAM
CYL. WATER CAP. (MIN)	157.5 LBS 4375 IN³	157.5 LBS 4375 IN³	157.5 LBS 4375 IN³	157.5 LBS 4375 IN³	71.7 Kg 71.7 L	71.4 Kg 71.7 L
(MAX)	161.4 LBS 4482 IN³	161.4 LBS 4482 IN³	161.4 LBS 4482 IN³	161.4 LBS 4482 IN³	73.2 Kg 73.4 L	73.2 Kg 73.4 L
CYL. SHELL WT (AVE.)	88.5 LBS	77.0 LBS	88.5 LBS	77.0 LBS	40.1 Kg	34.9 Kg
WORKING PRESSURE	250 PSIG	250 PSIG	250 PSI	250 PSI	1.72 MPa	1.72 MPa
TEST PRESSURE	500-600 PSIG	500-600 PSIG	508-595 PSI	508-595 PSI	3.5 - 4.1 MPa	3.5 - 4.1 MPa
HYDROTEST PRESSURE	750 PSIG	750 PSIG	754 PSI	754 PSI	5.2 MPa	5.2 MPa
AVE. YIELD STRENGTH	30,000 PSIG	44,000 PSIG	30,000 PSI	44,000 PSI	207 MPa	303 MPa
AVE. TENSILE STRENGTH	52,000 PSIG	66,000 PSIG	---	---	---	---
MIN. TENSILE STRENGTH	---	65,064 PSIG	51,924 PSI	65,414 PSI	358 MPa	451 MPa
MAX. CYL WALL STRESS	---	35,000 PSIG	25,962 PSI	34,954 PSI	179 MPa	241 MPa
ACTUAL CYL. WALL STRESS	25,992 PSIG	32,532 PSIG	25,962 PSI	32,707 PSI	179 MPa	225.5 MPa
MATERIAL	SAE 1015	MOD 1015	C-1015	MOD 1015	C-1015	MOD 1015

- 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.

**CONFIDENTIAL
DO NOT DUPLICATE**

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

7	ADD TC INFO	DLH	5/31/16
REV	DESCRIPTION	BY	DATE
		HUNTSVILLE FACILITY 521 GREEN COVE ROAD HUNTSVILLE, AL 35803 USA	
		TOLERANCES (EXCEPT NOTED) UNITS INCHES (mm)	TITLE W-420 TWO-PIECE ACETYLENE CYLINDER

DRWN:	D. HARRIS
APPD:	DLH 5/31/16
APPD:	JW 5/31/16
SCALE:	NONE