



SPECIFICATIONS: AC 50 LITER

1. MATERIAL:
  - A. SHELL: CR-MO-STEEL (4130X) COMPLYING WITH THE REQUIREMENTS OF CLAUSE 6.2 OF ISO 9809-1 AND NORRIS' SPECIFICATION FOR 4130-EA-01 THAT IS HOT BILLET PIERCED FOLLOWED BY HOT DRAWING.
  - B. L - 1448 MM (57.0 IN)
  - C. W.C. - 50 L (3051.19 CI) MINIMUM
  - D. WT - 43.1 KG (95.0 LBS)
2. POROUS MASS:
  - A. NORRIS LSF WHICH COMPLIES TO ISO 3807-1
  - B. TOP CLEARANCE:  $\leq 0.078$  IN ( $\leq 1.99$  MM)
  - C. POROSITY: 88-92%
3. SERVICE CONDITIONS:
  - A. RATED ACETYLENE CAPACITY: 9.17 M3 (324 CF) MAXIMUM
  - B. ACETONE WEIGHT: 15.5 KG (34.17 LBS)
  - C. DMF WEIGHT: 22.4 KG (49.5 LBS)
  - D. ACETYLENE WEIGHT: 10.0 KG (22.04 LBS) MAXIMUM ACETYLENE CONTENT & INCLUSIVE OF SATURATION GAS
  - E. MAXIMUM SETTLED PRESSURE: 19 BAR (275.5 PSI)
  - F. SHELL HYDRAULIC TEST PRESSURE: 60 BAR (870 PSI)
  - G. TARE S WEIGHT WITH ACETONE: 76.2 KG (168 LBS)
  - H. TARE S WEIGHT WITH DMF: 81.1 KG (179 LBS)

1. TARE S = SHELL, VALVE, FILLER, ACETONE, SATURATION GAS, PAINT, AND GUARD.
4. MARKINGS PER:
  - A. PR50L-229-1
5. NOTES:
  - A. SHELL MANUFACTURED: NORRIS, LONGVIEW
  - B. POROUS MASS MANUFACTURED: NORRIS, HUNTSVILLE
6. SYTELIN PART NUMBERS:
  - WITH ACETONE: TA50-229-1
  - WITH DMF: TA50-229-2

**CONFIDENTIAL  
DO NOT DUPLICATE**

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

4	ADD 3/4-14 INLET	DLH	5/19/16
3	REV NOTE 3.D.	DLH	11/3/14
2	ADD DMF SPECS	DLH	11/9/13
1	REV AP-SA	DLH	9/17/12
REV	DESCRIPTION	BY	DATE



**HUNTSVILLE FACILITY**  
521 GREEN COVE ROAD HUNTSVILLE, AL 35803 USA

DRWN: <b>D. HARRIS</b>	TOLERANCES (EXCEPT NOTED)		TITLE SEAMLESS STEEL ACETYLENE AC 50 LITER ISO 3807-1 MASS
APPD: <i>DLH</i> 5/19/16	UNITS INCHES (mm)	DATE 9/6/11	DRAWING NUMBER TA50-229-1
APPD: <i>JW</i> 5/19/16	SCALE NONE		