



NOTES:

- CERTIFIED INSPECTION DATA REQUIRED IN COMPLIANCE WITH REQ'TS OF DOT-SP 14621.
- CYLINDERS FOR USA DOT OR EUROPE APPROVAL WILL BE DIFFERENT PART NUMBERS AND BATCH NUMBERS FOR MANUFACTURING, TESTING, AND IDENTIFICATION MARKING PURPOSES.
- LINER MATERIAL: 6061-T6 ALUMINUM ALLOY, MINIMUM YIELD STRENGTH: 280 MPa.PER ALUMINUM LINER SPECIFICATION BTIC-MS102.
- FIBER COMPOSITE MATERIALS:  
 STRUCTURAL FIBER: CARBON FIBER PER BTIC-MS001 SPECIFICATION  
 OUTER SHELL: E GLASS PER BTIC-MS003 SPECIFICATION  
 EPOXY: EPOXY-AMINE PER BTIC-MS004 SPECIFICATION
- SERVICE LIFE: 15 YEARS
- APPROVED GASES: AIR, NITROGEN
- CYLINDER WATER VOLUME: 416 CU.IN [6.8 L] MIN. WEIGHT: 8.6 LB [3.9 KG] (NOMINAL).
- SERVICE PRESSURE: 4500PSI [310BAR], TEST PRESSURE: 7500PSI [517BAR], MINIMUM BURST PRESSURE: 15300PSI [1055BAR].
- IDENTIFICATION LABEL TO BE IN COMPLIANCE WITH THE REQUIREMENTS OF CUSTOMER, APPLICABLE GOVERNMENT SPECIFICATION, AND BTIC ENGINEERING REQUIREMENTS.  
 EACH LABEL STYLE SHALL BE REVIEWED AND APPROVED BY BTIC ENGINEERING AND GOVERNMENT INSPECTION AGENCY. IDENTIFICATION LABEL SHALL BE COVERED BY A LAYER OF GLASS/EPOXY FOR FULL SERVICE LIFE PROTECTION.

- CYLINDER INTERIOR TO BE FREE OF ALL CONTAMINANTS, ODORS, AND EVIDENCE OF CORROSION. WATER STAIN DISCOLORATION ACCEPTABLE. WATER WASH SHALL BE USED FOR CLEANING.  
 ⚠️ PROTECT THREADS AND SEALING SURFACES WITH A PLASTIC PLUG DURING SHIPPING AND STORAGE.  
 ⚠️ THREAD TYPE:

THREAD TYPE	MINIMUM THREADS	DIAMETER D
ISO M18x1.5-6H	13	1.42±0.02 IN [36±0.5 MM]
3/4-16 UNF-2B	12	1.46±0.02 IN [37±0.5 MM]
7/8-14 UNF-2B	11	1.58±0.02 IN [40±0.5 MM]

*Julie Dahl*

Digitally signed by Julie Dahl  
 DN: cn=Julie Dahl, o=Arrowhead Industrial Services USA, Inc., ou=Quality Engineering, email=Jdahh@arrowheadindustrial.com, c=US  
 Date: 2017.10.31 10:30:19 -0700

Rev. A

REV	0.1			6.8L COMPOSITE CYLINDER	DOT6831A-00		
					QUANTITY	WEIGHT	SCALE
NO	INDEX	SIGN	DATE				BEIJING TIANHAI INDUSTRY CO., LTD.
DESN	Wang, Y.X	REVD	Jul 8, 17				
DRAN		APPD	EV				
CHKD	Zhan, H.L						
		DATE	2017-10-24	TOTAL 2 PAGE			

**WARNING:**

Training is REQUIRED BEFORE use or maintenance of this equipment. Inspect after each use. Repair only by properly trained personnel. Manufactured in PRC. IMPROPER USE OF THIS EQUIPMENT MAY RESULT IN DEATH OR SERIOUS INJURY. REINSPECT AND RETEST HYDROSTATICALLY EVERY 5 YEARS IN ACCORDANCE WITH DOT - SP 14621.

- DO NOT fill if cylinder has visible damage, strand unraveling or charring of the carbon fibers has occurred.
- DO NOT fill if cylinder retest date is out of prescribed period.
- DO NOT exceed maximum charge pressure.
- DO NOT use unless cylinder is charged to the full pressure.
- DO NOT alter, modify or substitute any components.
- DO NOT carry the cylinder by the valve handwheel.
- DO NOT drop cylinder or bump handwheel. Valve could partially open causing cylinder to become an airborne projectile under its own pressure.

**CAUTION:**

- HIGH PRESSURE GAS -MAY ACCELERATE COMBUSTION.
- Keep oil and gas away.
- Use equipment rated for cylinder pressure.
- Cylinder temperature should not exceed 125°F or 52°C.
- CLOSE VALVE AFTER EACH USE AND WHEN EMPTY.

**DOT - SP 14621 - 4500 PSI  
6831A-XXXXXX M0807  
45 MINUTES**

**MM**  **YY**  
MANUFACTURE DATE

**REE:XXX**

**AIR, COMPRESSED  
Respirable D Air**

**CONTENTS: AIR, 66 SCF AT 4500 PSIG-310 BAR**



**AIR, COMPRESSED  
UN 1002**



XXXXXXXX

NOTES:The size of the letters and numbers used those on the right must be at least 0.64cm (1/4 inch) high if space permits.

Digitally signed by Julie Dahl  
DN: cn=Julie Dahl, o=Arrowhead Industrial Services USA, Inc., ou=Quality Engineering, email=Jdahl@arrowheadindustrial.com, c=US  
Date: 2017.04.26 18:02:07 -07'00'

REV	0.0			6.8L COMPOSITE CYLINDER LABEL DRAWING (FOR DOT-SP14621)	DOT6831A-M		
					QUANTITY	WEIGHT	SCALE
NO	INDEX	SIGN	DATE	LABEL			BEIJING TIANHAI INDUSTRY CO., LTD.
DESN	Zhan.H.L	REVD					
DRAN		APPD	Shi.F.W				
CHKD	Yue.Z.Z			TOTAL 1 PAGE			
		DATE	2017.4.19				