

**AERO TEC LABORATORIES INC. RAMSEY, NEW JERSEY, 07446, USA**

ATL specializes in the design and fabrication of custom made bladders and other flexible devices. So that our engineers may best assist you, please complete the following interactive DESIGN ENGINEER'S WORK SHEET and a) Save the .pdf and return via e-mail attachment or b) Print, fill out, scan and return via e-mail or fax. If you would like to send a drawing for further clarification, please attach to email. Accepted file types: .PDF, .DXF, .DWG or .IGES.

- Intended application for flexible or collapsible product: FUEL TANK  
for T-18 aircraft, outer wing panel.
- Operating pressure: 0 w/ Pitot vent
- Operating temperature range: -15 c ~
- Chemicals or other substances present in the environment: 100 LL AVGAS,  
ETHANOL FREE MOGAS
- Environmental exposure; (ie. wind, sunlight, radiation, abrasion, bacteria, ozone, impact, ice, etc.): INSIDE ALUMINUM WING
- Predetermined specifications for bladder materials; (ie. tensile strength, tear strength, puncture strength, durometer, etc.): ATL-794A
- Specific limitations such as weight, volume, collapsed size, etc.: APPROX 6.75  
gallons, installed through fill neck opening
- Is bladder unsupported (free standing), supported (fully restrained), or partially supported? FULLY RESTRAINED BETWEEN MAIN SPAR  
& REAR SPAR inside wing skin.
- Basic size, type and location of fittings required: WEDGE SHAPE  
- FILL w/ FLUSH CAP ON TOP OF WING  
- VENT,
- Desired flow rate for filling, discharging or venting if known: - 4 AN VENT  
- 6 AN PRODUCT SUCTION
- Quantity desired (no order too small): ONE or two
- Your name, address, fax, phone, e-mail and best time to call: SCOTT EMERY SHIPCHIEF@aol.com  
(206) 979-2567

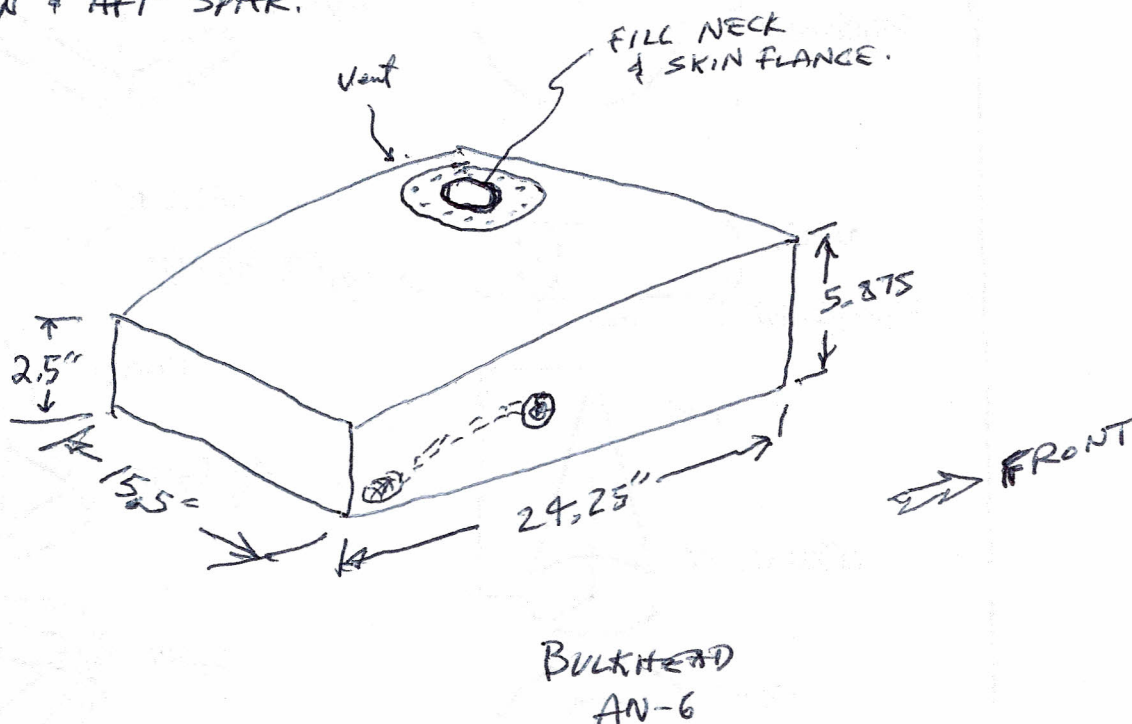
**TOLL FREE: 800-526-5330 TEL: 201-825-1400 FAX: 201-825-1962 E-MAIL: atl@atline.com**

**WWW.ATLINC.COM**

DS-515  
3X10

THORP T-18 FUEL BLADDER

LEFT OUTER WING PANEL

INBD RIB BAY BETWEEN  
MAIN + AFT SPAR.

SCOTT EMERY

P.O. Box 66946

SEATTLE WA 98166-0946

(206) 979-2567

SHIPCHIEF@aol.com

CALL, FAX OR E-MAIL OUR SALES ENGINEERS

TOLL FREE: 800-526-5330 TEL: 201-825-1400 FAX: 201-825-1962 E-MAIL: atl@atline.com

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