

# **ATL** DESIGN ENGINEER'S WORK SHEET

**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.



1. Intended application for flexible or collapsible product: \_\_\_\_\_

2. Operating pressure: \_\_\_\_\_

3. Operating temperature range: \_\_\_\_\_

4. Chemicals or other substances present in the environment: \_\_\_\_\_

5. Environmental exposure; (ie. wind, sunlight, radiation, abrasion, bacteria, ozone, impact, ice, etc.): \_\_\_\_\_

6. Predetermined specifications for bladder materials; (ie. tensile strength, tear strength, puncture strength, durometer, etc.): \_\_\_\_\_

7. Specific limitations such as weight, volume, collapsed size, etc.: \_\_\_\_\_

8. Is bladder unsupported (free standing), supported (fully restrained), or partially supported? \_\_\_\_\_

9. Basic size, type and location of fittings required: \_\_\_\_\_

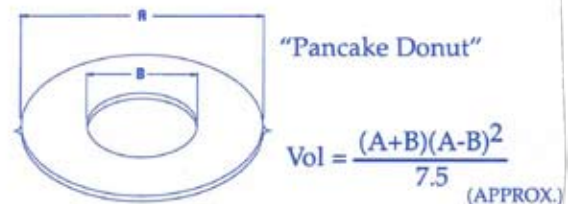
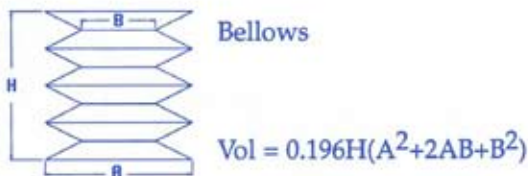
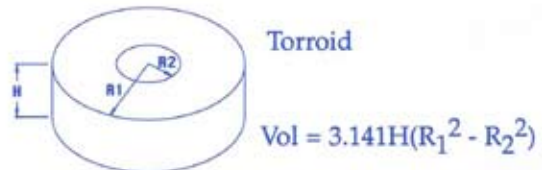
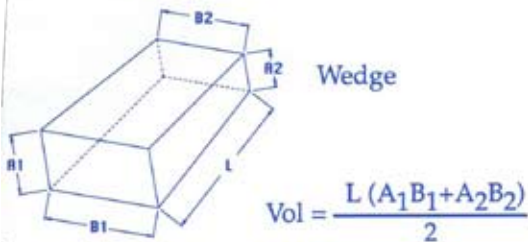
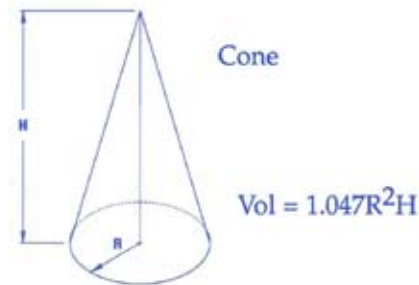
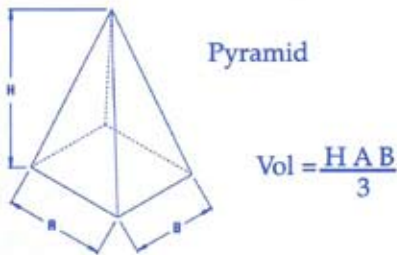
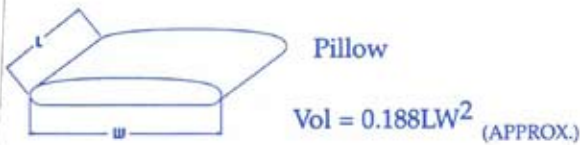
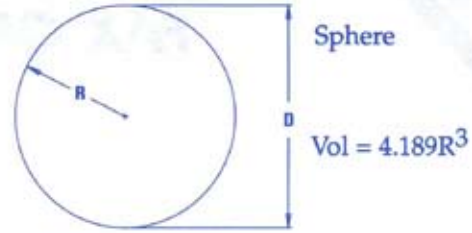
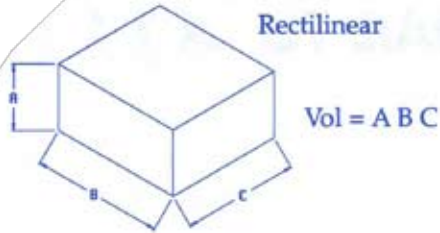
10. Desired flow rate for filling, discharging or venting if known: \_\_\_\_\_

11. Quantity desired (no order too small): \_\_\_\_\_

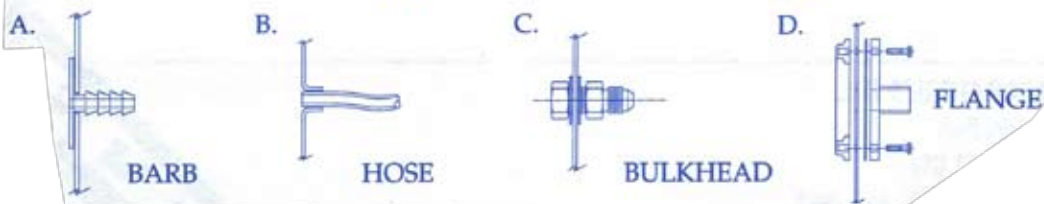
12. Your name, address, fax, phone, e-mail and best time to call: \_\_\_\_\_

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

**TYPICAL BLADDER SHAPES & VOLUMES**



**Typical Bladder Fittings**



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**D.E.W.S.**

**ATL** <sup>®</sup> **DESIGN ENGINEER'S  
WORK SHEET**  
**AERO TEC LABORATORIES INC. RAMSEY, NEW JERSEY, USA**

SKETCH YOUR IDEA HERE • FAX OR E-MAIL TO ATL

A large grid area for sketching ideas, consisting of a 30x30 grid of small squares. The grid is light blue and occupies the central portion of the page.

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