

ATCL[®]

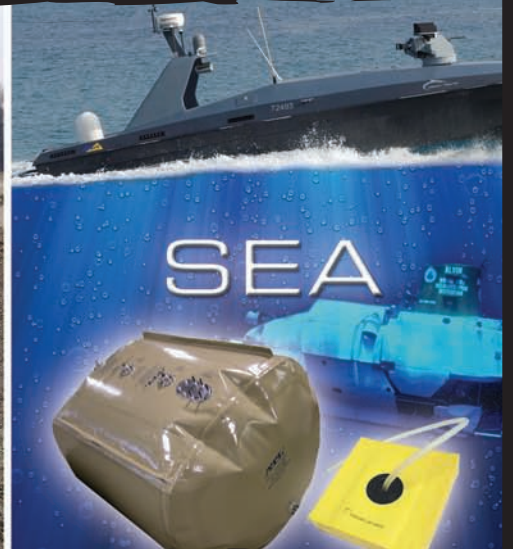
UNMANNED SYSTEMS

FUEL BLADDER TANKS

LIGHTWEIGHT

RUGGED

PROVEN

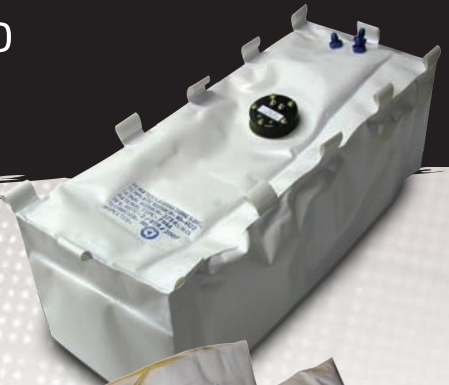
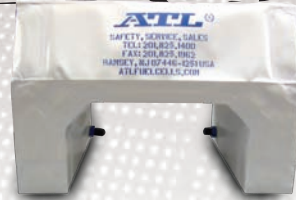


ATCL[®]
DS-616
7x11

ATL[®] UNMANNED SYSTEMS FUEL BLADDER TANKS

FUEL BLADDER FEATURES

- Fully collapsible for easy installation/removal
- Available in any size, geometry, or material
- Electronically templated; Near zero tooling cost
- Light weight and thin-walled for greater fuel capacity
- Total fuel scavenging options
- Low fuel diffusion rate; can surpass Mil-DTL-6396F
- CAD/CAM production for accuracy and reproducibility
- Light weight composite fittings and flanges
- Resistant to Avgas, Mogas, JP4, 5, 8, 10; Jet A, B; Kerosene, Bio-Ethanol E10, Diesel, Bio-Diesel, Bio-Butanol B10 and Bio-Jet
- Special bladder materials available for rocket/missile/torpedo fuels. Specifically: hydrogen peroxide, hydrazine, HAN fuel, Otto Fuel II, JP-7, methanol, propane and butane
- Baffles, vent valves, quantity gauges, drains, collectors etc. fully integrated
- Serves as secondary fuel containment if wing or fuselage is cracked or punctured
- Immune to shock, impact, vibration, launching, retrieval and hard landings
- Operates to 60,000 ft. within temperatures of 200°F (95°C) and -60°F (-50°C)
- Modest cost, long life, low-to-zero maintenance
- Safety foam explosion-proofing system optional



FUEL BLADDER ACCESSORIES

- | | | |
|-----------------|---------------|------------------|
| • Sumps | • Filters | • Anti-stat Foam |
| • Drains | • Surge-tanks | • Refuelers |
| • Flanges | • Flop tubes | • Hangers |
| • Piccolo tubes | • Vent valves | • UID |
| • Baffles | • Trap doors | • Weirs |
| • Fill caps | • Gauging | • Quick-connects |
| • Dry-breaks | • Hoppers | • Wire harnesses |



<< Safety Foam Explosion-Proofing System

Foam (right) is placed within the bladder (left).

AWARDS & INVOLVEMENT



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