

ATL

ATL

AERO TEC LABORATORIES

WARNING

FUEL LOCKER™ **PETRO-FLEX®** **AQUA-FLEX®** **AQUIFER®**

B L A D D E R T A N K S

ATL's "Range-Extender" fuel bladders and potable water bladders are relatively stable when **full** or **empty**, but require a "tie-down" system for use in dynamic vehicle applications such as on boats, trucks, aircraft, construction equipment, defense vehicles, and rail cars.

Especially in situations of extreme weather, rough roads, high sea conditions and turbulence, ALL Bladder Tanks should be strapped, lashed or "netted" to "hard-point" cleats in/on the vehicle. Alternatively, fuel or water within these bladders can often be transferred to the vehicle's integral tanks.

In extreme conditions, a fuel or water bladder that breaks loose of its tie-downs can become a lethal "loose-cannon" within any moving vehicle. Approximate "full" weights for several bladder sizes appear below so that appropriate restraints can be fashioned and load limitations observed.

Gal	Liters	Fuel lbs	Fuel kg	Water lbs	Water kg
100	400	620	280	830	380
200	800	1240	560	1660	760
300	1200	1860	840	2490	1140
400	1600	2480	1040	3320	1520
500	2000	3000	1400	4150	1800

Several approaches toward restraining amorphous liquid bladders under adverse conditions are: cargo nets, 3" ratchet tie-down straps or jacketed cables. Contact the pertinent vehicle maker or a qualified engineer for specific recommendations on restraining non-rigid cargo such as ATL's Flex-Tanks in your specific vehicle.

Thank you for observing these precautions.

ATL

WORLD HEADQUARTERS

Aero Tec Laboratories Inc.
Spear Road Industrial Park
Ramsey, New Jersey 07446-1251 USA
Tel: +1-201-825-1400 • Fax: +1-201-825-1962
Email: atl@atllinc.com • Web: atllinc.com

EUROPEAN OPERATIONS

Aero Tec Laboratories Ltd.
ATL Technology Centre, Denbigh Road
Bletchley, Milton Keynes, MK1 1DF
Tel: +44 (0) 1908-351700 • Fax: +44 (0) 198-351750
Email: atl@atlltd.com • Web: atlltd.com

ATL
DS-633
2x14