



POLYSTAR
INCORPORATED

*Entire Fuel Cell
contents contained
after bladder failure
(Note the ruptured Fuel Bladder
floating on the surface)*

Bladder Dike®

**Fuel Bladder
containment systems**

*Bladder Dike® containing
fuel cell*

*Complete Bladder Dike®
Systems stacked on
individual skids*

*Complete assembly
without special tools*

THE LEADER IN ENGINEERING,
MANUFACTURING AND CONSTRUCTION
OF SECONDARY CONTAINMENT SYSTEMS



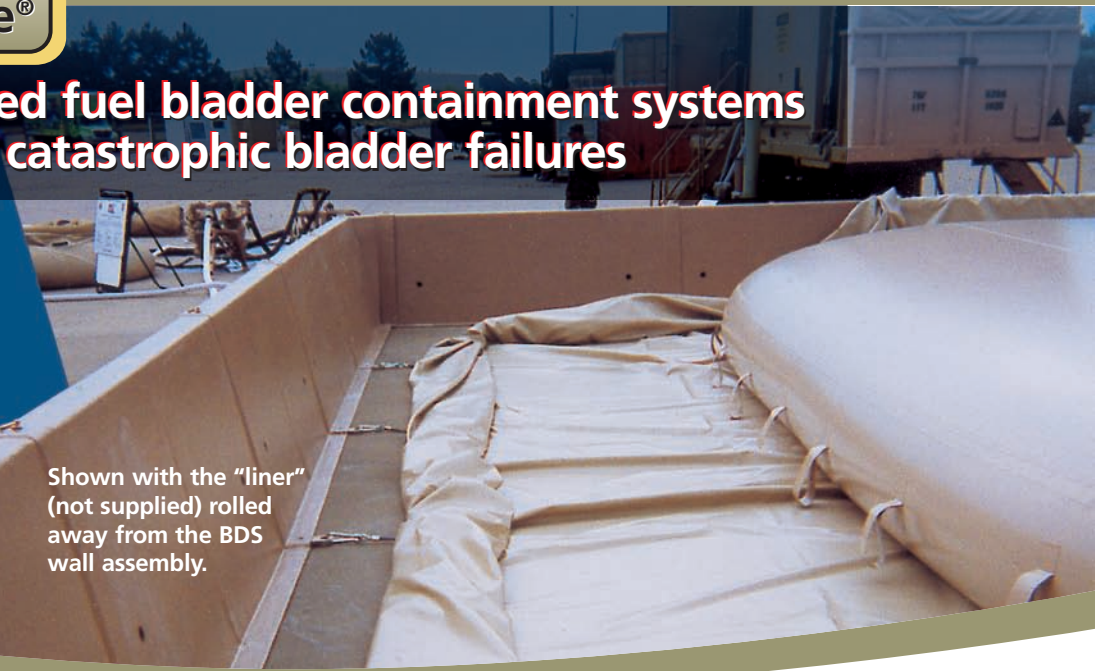
Bladder Dike®

Easily installed fuel bladder containment systems that contain catastrophic bladder failures



Strong, lightweight and easily installed, the Bladder Dike® has been proven to work well even under the worst failure conditions.

Shown with the "liner" (not supplied) rolled away from the BDS wall assembly.



Safe storage of fuel resources is a must for both cost and environmental reasons. Our BLADDER DIKE® System is a heavy-duty, re-useable, secondary containment system for fuel bladders that meets this challenge.

The innovative BLADDER DIKE design allows all components to be stacked on a single aircraft pallet. The system sets up quickly and easily with NO special tools or lifting equipment. Yet the BLADDER DIKE can absorb the impact of a catastrophic bladder failure without loss of fuel.

BLADDER DIKE wall strut – the system's building block.

The main components of each BLADDER DIKE System are a number of 8' long, 36" tall fiberglass composite wall struts. With these modular wall struts, you can create a variety of system sizes to accommodate different bladder capacities. The relatively light weight (145 pounds) of the wall struts and the modular design allow assembly of an entire system by as few as

three people. In addition, all components needed to secure the wall struts together are integral to the struts themselves.

Each wall strut has an open bell at one end. This allows each strut to be slip fit over the prior strut and pins in the strut's base. Each joint is secured with a lock pin integral to the strut. This triple locking system ensures high structural strength with little installation effort. Corner modules allow creation of a rectangular system shape.

Harness Assembly unifies and integrates the structure.

After all of the wall struts are in position, the entire system is tied together with a heavy-duty, woven, nylon web Harness Assembly. On all four sides of the Assembly are pigtails with solid steel snap connectors. These connectors are snapped to pins in the base of each BLADDER DIKE wall strut. Stretching the Harness Assembly taut

creates a super-strong unified structure. After installation is complete, a flexible liner (not part of the system) is rolled out and draped over the BLADDER DIKE walls to provide non-porous spill containment.

When a catastrophic fuel bladder failure occurs, a powerful wave of fuel hits the wall struts. Structural support from both the weight of the still partially filled fuel bladder on the Harness Assembly and the Harness Assembly's steel snap connectors on the opposite wall allow the system to withstand the wave's force without movement.

Compact storage, portable, modular design, fast installation and tremendous structural strength are only some of the reasons to make the BLADDER DIKE your secondary containment system of choice. All Polystar products are engineered and built in the U.S.A. For more information call us today at **800-275-3453** or visit us online at www.polystarcontainment.com.



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The "Harness" cross ties unify the system into one super strong unit.

By connecting opposing walls with strong nylon straps the Bladder Dike is given its structural integrity able to withstand catastrophic failure impacts.



Lightweight construction allows easy lifting and positioning.

Extremely strong, lightweight, fiberglass composite materials, make installation of every Bladder Dike simple.