

# FUELFLEX

## Fuel Transfer Hose

In World War II, fuel support doctrine was in its infancy. Fuel, like water, was stored at bulk storage locations far to the rear of the front lines. Then, as now, distribution was the key challenge to providing fuel to the combat forces at the right place and time.

**FUELFLEX FTH** is a highly mobile, Fuel Transfer Hose designed to ensure the quick and simple deployment of fuel hoses.

**FUELFLEX** combines the use of advanced, light-weight materials to produce a hose with a through-the-weave, highly abrasion resistant polyurethane extrusion.



***FUELFLEX** being deployed in the theatre*

During military operations, all equipment is flown into position and deployed immediately. Speed and surprise is key.



**FUEL FLEX** Hose Reel Systems can be housed in a converted and insulated, temperature controlled, sea container.



*The hose is quickly and easily deployed to the vessel by the inflatable boat.*

The Hose Reel Systems can be based on the shore or on the vessel. Space is usually limited on the ships however, for some remote islands and areas with difficult access, vessel-based reel systems are easy to deploy and connect to the tanks on the shore.

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### Specifications

NOMINAL SIZE	2"	2.5"	3"	4"	6"	8"
INSIDE DIAMETER	50 mm	64 mm	76 mm	102 mm	152 mm	202 mm
BURST PRESSURE	950 psi 65 bar	880 psi 60 bar	880 psi 60 bar	800 psi 55 bar	730 psi 50 bar	575 psi 40 bar
OPERATING PRESSURE	380 psi 26 bar	350 psi 24 bar	350 psi 24 bar	320 psi 22 bar	290 psi 20 bar	230 psi 16 bar
TENSILE STRENGTH	8,000 lb 4,000 kg	11,000 lb 5,000 kg	13,000 lb 6,000 kg	22,000 lb 10,000 kg	35,000 lb 16,000 kg	40,000 lb 18,000 kg
WEIGHT OF FUELFLEX	0.3 lb./ft 0.5 kg/m	0.4 lb./ft 0.6 kg/m	0.5 lb./ft 0.8 kg/m	0.8 lb./ft 1.3 kg/m	1.2 lb./ft 1.9 kg/m	1.6 lb./ft 2.5 kg/m

*Due to continual research and development, the above specifications are subject to change without notification.*

Built in Anti-Static Rib for easy access and quick connections. Flexible in all weather -58F to 155F (-50C to +70C) Available in Desert Tan, Military Green and Ice White.



**FUELFLEX** Hose, Anti-Static Rib and Fitting

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*Ship to Shore refueling*

RIFTS (Rapidly Installed Fuel Transfer System) was a new generation, high pressure fuel hose system designed by the US Military to move fuel faster and further in a shorter period of time.



*RIFTS prototype hose and reel deployment system*

As Thomas Friedman wrote in his book, *The Lexus and the Olive Tree*, "The Cold War system was a system built around weight. The globalization system is built around speed. In the Cold War, the big ate the small. In globalization, the fast eat the slow"

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