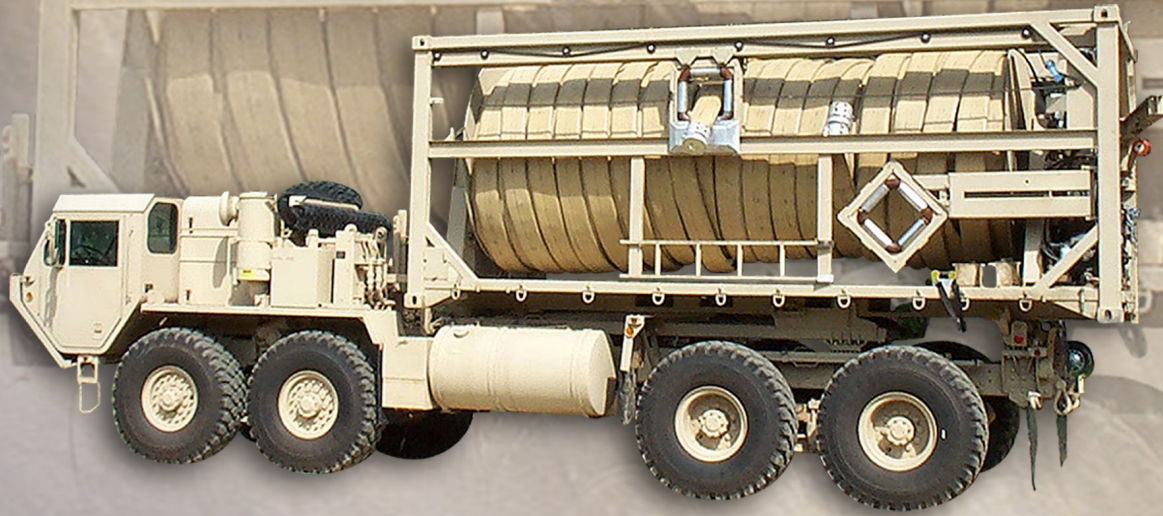


## RAPIDLY INSTALLED FLUID TRANSFER SYSTEM



# RAPIDLY INSTALLED FLUID TRANSFER SYSTEM, RAPIDLY EMPLACED FUEL CONDUIT WITH A SMALL FOOTPRINT

The Rapidly Installed Fluid Transfer System (RIFTS) Emplacement and Retrieval Device conduit reel provides all the components needed to deploy and recover one mile of 15-cm / 6-inch hose. This new high-pressure, layflat fluid conduit significantly improves deployment and retrieval rates, reduces manpower requirements and reduces total container storage requirements versus standard fluid conduits.

The RIFTS Automated Pumping Station (APS) incorporates all the necessary fluid transfer capabilities and components to transfer a minimum of 3,217,600 liters / 850,000 gallons of fluid per day. The APS design significantly improves overall pump station set-up time and reduces the overall footprint and shipping requirements by 50% when compared to existing U.S. Army pumps.

# RAPIDLY INSTALLED FLUID TRANSFER SYSTEM

## HIGHLIGHTS

- Capacity: one mile of high-pressure 6-inch conduit
- Capable of increased pumping pressures
- Self-contained/stand-alone power unit
- Operational 24 hours a day
- Operational from deployable seat or from the ground
- User-friendly: component removal and maintenance
- Compatible with Rough Terrain Container Handler, Palletized Load System Truck/Trailer, Heavy Expanded Mobility Tactical Truck or Load Handling System wheeled vehicles
- Air transportable

## SPECIFICATIONS

Customized flatrack 2.4 W x 2.4 W x 6.1 D meters / 8 W x 8 H x 20 D feet meets ISO requirements, 1 mile of 15 cm / 6-inch conduit, 22 kg / 22,650 lbs. est.

## PHYSICAL CHARACTERISTICS

The existing method of fluid transfer — by the Inland Petroleum Distribution System and an aluminum pipeline system — is labor intensive and requires extensive packing into two 6.1 meter / 20-foot ISO-1CC containers. Rapidly Installed Fluid Transfer System (RIFTS) provides state-of-the-art conduit technology with improved deployment and retrieval operations and is transportable on a stand-alone base. The entire RIFTS system provides a means of moving fluid over all terrain.

The RIFTS includes conduit reels, leak detection systems, command and control modules, pump stations and a portable computer-based planning aid.



Specifications subject to change without notice. The products identified herein are controlled for export under the U.S. Export Administration Regulations (EAR) and may not be exported or transferred to any non-U.S. Person, country or entity, by any means, without prior authorization from the U.S. Department of Commerce, Bureau of Industry and Security (BIS).

Cleared by U.S. DoD/OSR for public release under OSR Case Numbers 07-S-2692 and 07-S-2694, dated September 19, 2007

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