

TC 12D

Tactical Fuel Solution for the Entire Supply Chain



TC 12D has been developed with soldiers' usage patterns at its core, combining transport, storage, and dispensing of fuel in one robust, deployable unit. The design is tailored for tactical operations near the front line while also accommodating administrative and peacetime requirements. Without any compromise, TC 12D can operate across all levels of the logistical chain, enabling time- and space-separated resupply from 4th to 1st echelon.

TC 12D is based on a custom-built, robust 20-foot ISO container steel base frame and a single-walled aluminum tank holding 12,000 liters of fuel. The removable CSC-approved top frame allows stacking up to 9 units during deployment and staging. When the top frame is removed, the weight is reduced by 1.5 tons, significantly improving mobility and increasing payload capacity - up to 12 m³, approximately 20% more than competing solutions. The result is a substantially reduced logistical footprint.

The container can be handled fully loaded using hook lift, forklift pockets, and top lift, providing maximum flexibility in the field. It is designed for extreme conditions with a standard temperature range from -32 °C to +49 °C and an optional C2 configuration down to -40 °C.

For dispensing, TC 12D is equipped with three automatic retractable hoses: two smaller hoses for vehicles and one large hose for rapid container-to-container transfer. The system supports both suction and pumping with a flow rate of up to approximately 1,000 liters per minute. The unit is fully self-sufficient with its own drive system powered by a robust Euro 3 engine capable of running on NATO single fuel F-34, ensuring full compatibility with military fuel standards.

Additionally, TC 12D accommodates up to 20 jerrycans, providing flexibility for resupplying other POL products and enabling circulation of fuel cans throughout the supply chain. A heated equipment cabinet ensures soldiers' protective gear remains dry and ready for use, while a dedicated ADR cabinet consolidates all safety equipment for easy access and quick inventory checks.

TC 12D is designed to comply with international standards such as ADR, RID, and CSC and can be configured for IMDG for sea transport. It combines high mobility, safety, and efficiency - delivering a complete solution for tactical fuel logistics across the entire supply chain.

BENEFITS

THE MOST FLEXIBLE UNIT ON THE MARKET

WEIGHT-OPTIMIZED

12,000 L + 400 L CAPACITY

STAND-ALONE OPERATION IN THE FIELD

MODULAR DESIGN FOR RAPID CUSTOMIZATION

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Specifications

Description	Standard ISO 1C 20 ft
Approval	ADR
Approval with frame	CSC/RID
Capacity	12,000 L
Fuel compartments	1
Temperature	-32 to +49° C
Length	6,060 mm
Width	2,440 mm
Height	2,438 mm
Net weight empty	4,920 kg
Net weight fully loaded	15,000 kg

