AVIATION FUEL FARM

ACTUAL INSTALLATION EXAMPLE: 1100 L/MIN DISTRIBUTION GROUP ASSOCIATED WITH 200 000 L OF STORAGE (4 X 50 000 L)

PRESENTATION

Titan Aviation's mobile fuel farm is turnkey solution adapted to your needs, which can be set up in a short time. This installation associates a loading / unloading group (pump, filter, and meter) with a containerized tanks farm forming a fully functional and autonomous aviation fuel farm.

Main functions

- Unloading road tankers, with filtration
- Loading aircraft refuelers, with counting and filtration
- Aircraft refuelers regulation test bench, in option

The mobile fuel farm can be connected to the electric network, or totally independent with an electric generator.

STRENGTHS

- Compact and Mobile: all elements can be moved and installed quickly
- Safe and Strong: simple automation and distribution group ATEX compliant
- Flexible: variable storage capacity by adding additional containerized tanks
- Autonomous: completely autonomous when connected to an electric generator

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AVIATION FUEL FARM

DISTRIBUTION UNIT SPECIFICATIONS

PUMP	Flow rate up to 1100 L/min (300 gpm) Self-priming centrifugal pump 18 kW electric motor
POWER SOURCE	380 V three-phase – 40 kVA / 32 kW
OUTPUT CONNECTION	Industrial or aviation coupling
FILTRATION	Separator filter API/IP compliant
SAMPLING	Sample jar Upstream and downstream filter sampling Analysis before loading and unloading
RECOVERY TANK	100 L approximately
COUNTING	Mechanical counter
SIZE AND WEIGHT	2438 x 2438 x 2429 mm (LxWxH) – Container size 1500 Kg approximately
TREATMENT	Anticorrosive protection and painting
SAFETY	ATEX compliant electrical case and lighting ATEX compliant electrical motor with thermal protection Zero flow sensor to switch of the pump Bonding : bonding reel and clump Deadman handle

DISTRIBUTION UNIT AND TANK CONTAINER OPTIONS

DISTRIBUTION UNIT

FUNCTION	Aircraft refuelers regulation test bench
ENERGY SOURCE	Generator 40 kVA / 32 kW to operate in total autonomy
SAFETY	Safety kit: fire extinguisher …

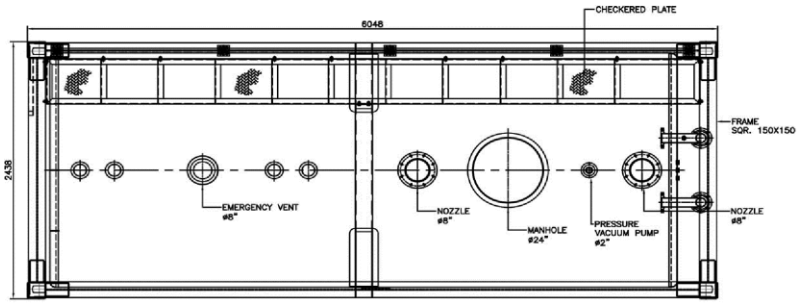
TANK CONTAINERS

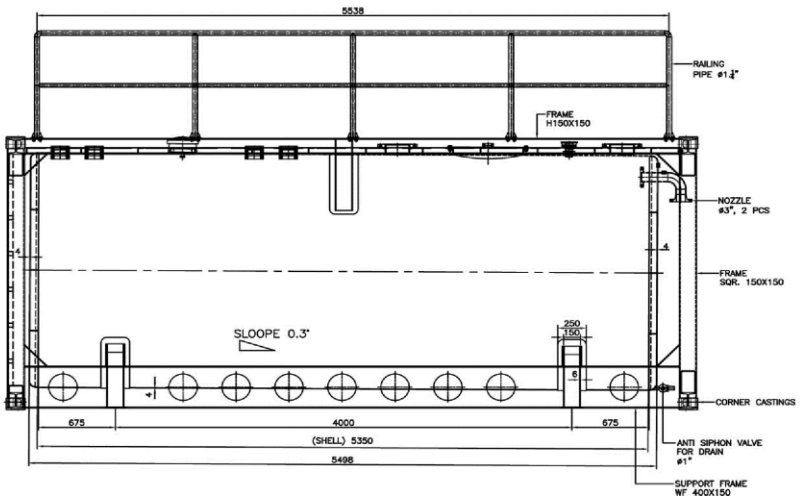
LEVEL	Instantaneous level indicator
TANK	Double skin
SAFETY	Stairways and gangways Overflow sensor

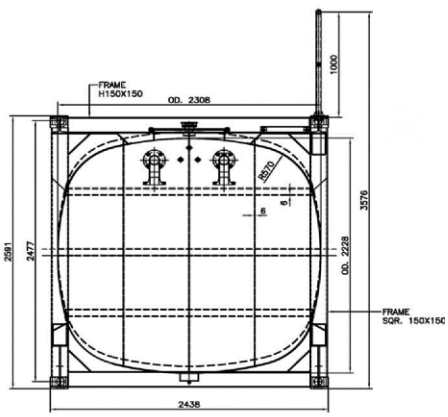
AVIATION FUEL FARM

20’ TANK CONTAINERS SPECIFICATIONS

MATERIAL	Steel - 4mm thick - Simple skin
CAPACITY	22 000 L
DIMENSIONS (LXWXH)	6063 x 2438 x 2591 mm
EQUIPMENT	24” Manhole Air vent 4” floating aspiration Piping kit provided for connected the tanks to the pumping unit
EXTERIOR FINISH	Polyurethane painting
USE	This tank is designed for storage only and must be transported empty







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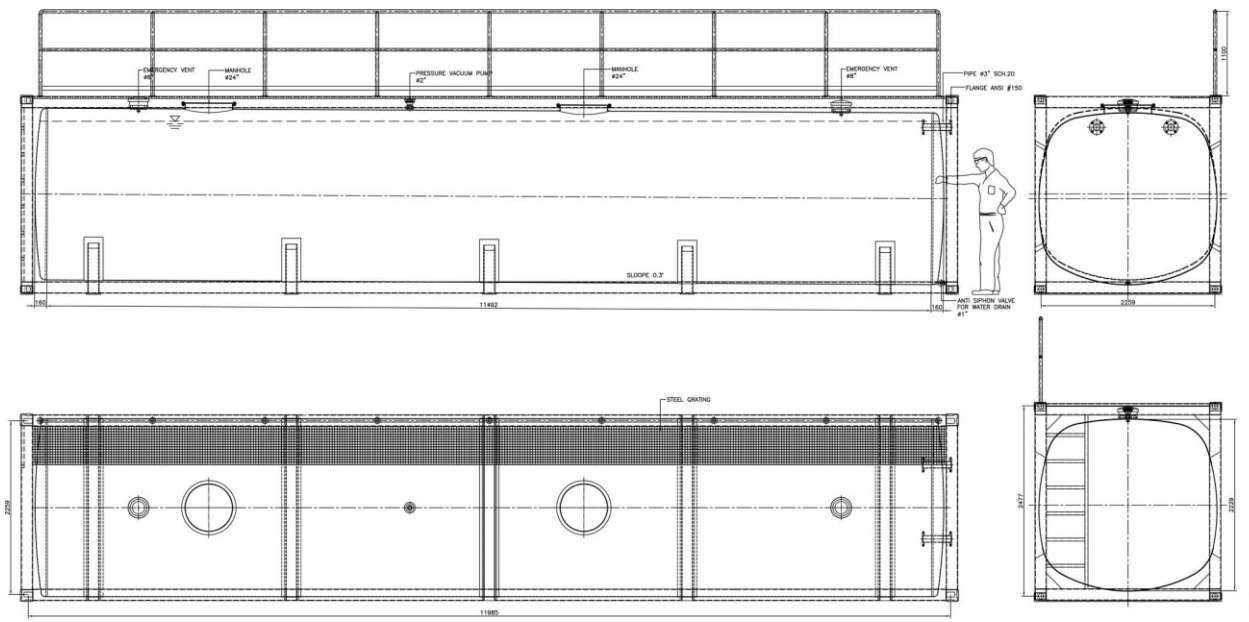
AVIATION FUEL FARM

40’ TANK CONTAINERS SPECIFICATIONS

MATERIAL	Steel - 4mm thick - Simple skin
CAPACITY	50 000 L
DIMENSIONS (LXWXH)	12063 x 2438 x 2591 mm
EQUIPMENT	24” Manhole Air vent 4” floating aspiration Piping kit provided for connected the tanks to pumping unit
EXTERIOR FINISH	Polyurethane painting
USE	This tank is designed for storage only and must be transported empty



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