

TU 8 Tank Unit

for Hazardous area Zone I with pumps and agitator

A single 8m³ (50 BBL) compartment tank containing an independent paddle mix system. This unit are designed specifically for applications in 2G areas (Zone I) and is CE, NORSOK Z-015, DNV 2.7-1 and ATEX Zone I compliant. The unit can operate in ambient temperatures from -20° C to +50° C. Unit sound pressure level (SPL) is equal or below 83 dBA @ 1m according NORSOK Z-015 requirements. Tank can be delivered with top tank handrails, caged ladder and fill hopper in aluminium as option.

Features:

- Hydraulic driven agitator and 2 x c-pumps.
- One additional air driven membrane pump.
- Central operator panel.
- Tank housed in a strong crash frame.
- Small footprint.
- Quick and easy rig up.
- Certified to be lifted with content. DNV 2.7-1.
- Powered by external HPU or auxiliary hydraulic power.

About Enerion:

Enerion is a leading provider of products and services to the energy sector. We have extensive experience in engineering, manufacturing and service of equipment and are committed to deliver flexible and future oriented solutions to our customers.



Technical data:

Max input hydraulic flow	: 133 lpm
Max input hydraulic pressure	: 230 bar

Tank:

Design	: 8 m ³ , atmospheric tank. Pump suction. Bottom end tapered, coned, 20°
Piping material	: Stainless steel (SS304)
Tank material	: Stainless steel (SS304)
Valves	: 6 of hydraulic knife gate valves

Pumps:

Air: Rig pressure	: 5 – 8 BAR, 1" Chicago claw coupling
Filling connection	: 2" Camlock, Male
Discharge connection	: 3" Camlock, Male
Drain connection in tank	: 2" Camlock, Male
Hydraulic supply	: 1" quick connection (Snaptite 75 Female)
Hydraulic return	: 1" quick connection (Snaptite 75 Male)
Hydraulic leak	: ½" quick connection (Faster VVS Female).

Agitator:

Agitator motor	: 45 kW, 0-200 RPM.
Agitator height from tank bottom	: 500 mm

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Interface:

Air	: 5 – 8 BAR, 1" Chicago claw coupling
Filling connection	: 2" Camlock, Male
Discharge connection	: 3" Camlock, Male
Drain connection in tank	: 2" Camlock, Male
Hydraulic supply	: 1" quick connection (Snaptite 75 Female)
Hydraulic return	: 1" quick connection (Snaptite 75 Male)
Hydraulic leak	: 1/2" quick connection (Faster VVS Female).

Approvals:

CE marked	: Yes
ATEX	: Ex II 2G IIC T4
Lifting	: DNV 2.7-I, EN 12079
NORSOK	: Z-015:2020

Weight & Dimensions:

Length	: 3200 mm
Width	: 2400 mm
Height	: 3700 mm
Tare	: 6000 kg
Max Gross Weight	: 20 000 kg
Payload	: 14 000 kg



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