



GROUNDING PLATE CALCULATION FOR RIG STORAGE TANK

Models		Quantity
Model 1	Tank 100 m3 / 32 bar Tank (R-125)	2
Model 2	Tank 100 m3 / 40 bar Tank (R-32)	2
Model 3	Tank 50 m3 / 28 bar Tank (R-404A_R143A)	2
Model 4	Tank 50 m3 / 40 bar Tank (R-410A_R-134A)	4



RIG Order

RIG-OVS-2021-6111

Customer / Country

Rawabi Integrated Gas / KSA

Contact person

Eng. Zahir Hussain / Operation Manager



Summary

0. Purpose
1. Scope
2. Commercial offer

0. Purpose

RIG asked INDOX about the possibility of calculation of grounding plate that's have to see with the mounting of load cells for the 10 refrigerant storage tanks. As this issue was not foreseen in INDOX's scope of supply, INDOX accepted to study the proposition as per section 1. Below.

1. Scope

Four set of tanks to be considered according to the capacities and design pressure (thickness) These four sets are:

Models to study		Quantity
Model 1	Tank 100 m3 / 32 bar Tank (R-125)	2
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- DESIGN OF PLATE UNDER LOAD CELL

This involves the design and calculation, by the finite element method, of the PLATE to be welded at the base of the load cell that supports the DCV-300 and DCV-250. This plate will have the anchorage holes to be screwed directly to the ground.

Two types of PLATE shall be designed:

- PLATE 1: For Tanks MODEL DCV-300.
- PLATE 2: for tanks MODEL DCV-250.

- Scenarios for the calculation and process:

Only 1 plate will be sized for each model, so it will be necessary to verify that the plate is valid in the most unfavourable case for each model.
model.

- **Report:** A final report will be made on the validated plate and reactions on the fixing bolts for each tank model.

2 Commercial offer

2.1 Price

The price as per section 1 is:

2.850 €

2.2 Payment conditions

Bank wire transfer, payable one week after the date of the invoice.

Bank: CAIXABANK

ES53-2100-8605-5802-0009-8802

a) Delivery and conditions terms

Week 22 of 2023. The full study / Results will be sent to you by E-mail.

b) Validity

This offer is valid two weeks from offer's date.

Ok , Accepted

c) Warranty

Warranty of these units is One year.



Signed:

Customer Acceptation



Fouad A. El MERINI, PhD
Innovation & Business development



Rawabi
المتكاملة للغاز
Integrated Gas

ANGLESOLA, 28 / 04 / 2023