



CRUDE OIL ELECTRO-STATIC DESALTING PILOT PLANT (1 BARREL PER DAY)

RR 272

Description:

Desalting unit is a vital part of crude oil processing. The crude oil which is extracted from well contains huge amount salty water. In case of not separating this impurity it can make corrosion and damages on pipelines. There are several methods for desalting of crude oil such as using gravity, heating or electrostatic. Presented pilot includes all these methods. This unit equipped with specified software and the whole data can be easily exported to this software. All the parameters are perfectly modeled as real ones in oil industry then the results can be used for commissioning of industrial unit.

Specifications:

- Stainless Steel tanks and pipelines
- 25 KW current transformer (AC & DC)
- Adjustable current control
- Main electrostatic tank made of stainless steel and inner Polymer coating
- Oil and water tanks equipped with heating system by using tempering liquid (Indirect heat)
- Automatic washing system
- Equipped with specified software
- Static mixer
- Centrifugal pumps
- Automatic control system
- Level transmitter
- Flow transmitter
- Temperature transmitter
- Control valve
- PLC monitoring system and software
- HMI touch panel
- Installation and training video included
- Instructions manual included
- 10-year warranty

* Specifications are finalized according to client's requierments

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Crude oil desalting by electrostatic method
2. Obtaining effect of various parameters on unit performance



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Required For Operation:

- 220V Single Phase Electricity
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%



Dimensions (L*W*H) mm: 4000×1000×1800

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