

10 T Oil Distillation Equipment

Technical Principle

Raw oil starts to gasify and distill after heat to reach uniform temperature level in reactor, and after catalyzed in catalyze tower, to extract petrol and diesel gas component separately from hydrocarbon. Then cooled petrol and diesel component in condenser will be made to petrol and diesel distillate. The remainder will be heavy fuel oil.

Equipment Feature

- Oil yield reaches to 90%, conversion rate to 100%.
- Unique heat system by hot air, avoid high temperature heat reactor directly. Equipment Would be safer and longer working life.
- Research and develop catalyst aiming at fuel oil, to make a better performance at catalyst.
- Equipment processing use full automatic submerged arc welding, X-ray flaw detection, to ensure excellent quality.

Technological Process

- Raw oil after dewater process goes into reactor. Heating, gasifying and cooling to get petrol and diesel component.
- After heating and gasifying, Petrol gas expels from top outlet of catalyze tower, and goes into petrol storage tank after cooling through condenser. Then inject petrol into another big storage tank.
- After heating and gasifying, Diesel gas expels from top outlet of catalyze tower, and goes into diesel storage tank after cooling through condenser. Then inject diesel into another big storage tank.
- Distilled diesel after treatment by oil reconcile tank, will becoming fuel oil with high quality.
- A little of flammable gas go through medium tank and into exhaust gas treatment equipment to be processed. And then go through water deal into furnace to burn.

Main Performance Parameter

Item	Type	XFZL--10
Capacity		10T
Working temp.		≤650°
Fuel		Fuel oil, Natural gas, Liquefied gas
Heating way		Circulating hot air heating
Distillation material		Plastic oil, tyre oil, wasted oil and residual oil
Working pressure		Normal pressure
Consumption		250 kg
Size		6600mm(L)×2500mm(W)×2850mm(H)
Total power		36 kw
Power consumption		15 kw/h
Floor space		19000 mm × 3600 mm
Highest point of installation		6000 mm

Remark: This parameter is just for reference. Size change caused by design improvement will not inform customers specially. Please refer to documents enclosed with products.

Product Recovery Rate

Petrol: 15-20%

Gas : 70-75%

Flammable gas: 2-5%

Residue: 10-18%