

Refining Operation Manual

1. Put the crude oil into the refining tank, 10cm below the water pipe, turn on the refining tank and stir for 5-10 minutes, turn on the refining tank to heat, the oil temperature reaches 80-85°C, turn off the refining tank to heat, and the oil temperature rises to 60°C Turn on the water tank from left to right to heat the water tank, heat the water temperature to 90-95°C, turn off the water tank to heat, add hot brine with 10% oil weight to the oil, stir for 30 minutes, close the refining tank to stir, start to precipitate, and precipitate for 3-4 Hours, open the valve at the bottom of the refining tank, do not open the valve too much, and slowly discharge the oil foot until the oil is clear. The second washing is the same as above.

(The ratio of salt and water is 5%, and the proportion of water added is 10% of the oil weight)

Note: The water temperature is 5-10°C higher than the oil temperature

2. Dehydration process: turn on the vacuum pump, open the vacuum valve on the top of the decolorization tank, open the oil outlet valve behind the refining tank, the oil in the refining tank is sucked into the dehydration tank through vacuum, after the suction is completed, close the oil outlet valve of the refining tank, and open the dehydration tank to stir , turn on the dehydration heating, and the oil temperature reaches 120-130° C. During the heating process, observe the oil condition in the sight glass on the top of the dehydration tank. If the oil foam is too high, open the top exhaust valve. After the oil foam goes down, close the exhaust valve. , After there is no oil foam in the oil, open the cooling valve behind the dehydration tank, turn on the cold water pump, and when the oil temperature drops below 60° C, turn off the cold water pump, close the cooling valve, close the vacuum valve, turn off the vacuum pump, open the exhaust valve, open the The oil outlet valve of the dehydration tank, the oil is pumped into the finished product tank through the oil pump.

Note: When the vacuum pump is cold, the vent screw under the pump head needs to be removed to drain the water.

Freezing can easily damage the pump head.