



AE6 Emulsion Asphalt Plant



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Specification :

Name	Specification	Rate/Material
ENH type colloid mill	10t/h	37kw 2940rpm
Asphalt heating tank	3.5m ³	Coating with stainless steel
Asphalt pump	6t/h	4kw
Asphalt flow adjustment	Asphalt pump frequency conversion regulation	
Soap pump	8 t/h	2.2 kw
Soap digital flow meter	1-12m ³ /h	Precision ±0.5%
Soap tank	2x1.5 m ³	#304 stainless steel,
Soap tank mixer	Dual blade	1.5kw 93rpm
Heat exchanger	10m ²	Plate type
Total electric power	≤50kw 50Hz/380v	PLC control
Dimension	5850x2230x2250mm	
Optional equipment:	Asphalt storage tank 25-45 tons Water tank 30 tons Heat transfer oil boiler 300,000 K-calorie	



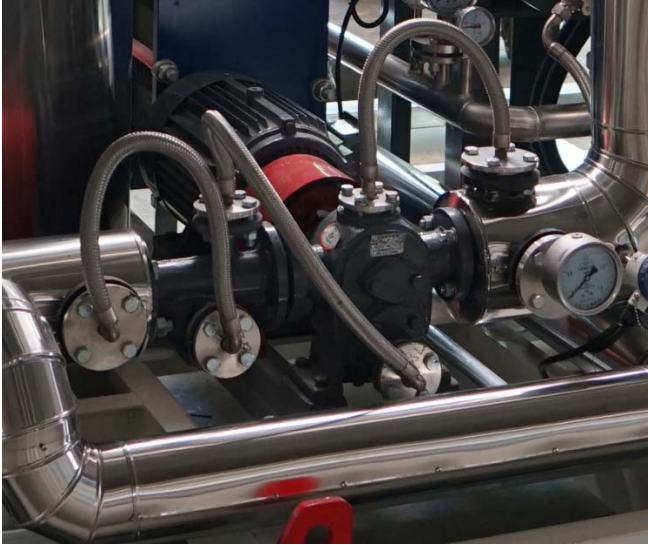
BEM-10 emulsified asphalt colloid mill is a cost-effective, multi-purpose emulsion developed by ASPHALTEC.

1. The mill adopts 6+5 multi-stage homogenization gear structure, Using the latest SS329 duplex stainless steel material to avoid corrosion and abrasion.
2. The mill is a dynamic colloid mill composed of multi-stage rotor/stator homogenizing gears. The rotor and stator are composed of radial slots
3. The shear gap between each tooth is less than 1mm.
4. Due to the tooth shape homogenization design, it has a very high Shearing efficiency and conveying capacity, the output can reach 10t/h .
5. Asphalt / Water ratio can reach 67:33
6. Mechanical seal with oil lubrication cooling, and with conduction oil jacket

Electronic control system

1. Adopts PLC control, which can collect and display the real-time temperature, flow rate, solid content of finished products, set production rate and output accumulation value of asphalt, soap liquid and emulsified asphalt finished products.
2. Visual touch screen parameter display and setting, and equipped with manual control switch, easy to use.
3. Real-time monitoring of the production process to achieve control safety protection.
4. The unique temperature and ratio control system realizes the precise control of the solid content of the emulsified asphalt product.





Asphalt System

1. Base asphalt system includes asphalt tank, filter, asphalt pump, asphalt pump frequency conversion regulator, asphalt switching valve and instrument, etc.
2. The asphalt tank is equipped with rich heat conduction oil coils, which can quickly heat and keep the base asphalt warm.
3. The asphalt tank adopts rock wool insulation material for heat preservation, and coated with stainless steel.



Soap System

1. The soap liquid system mainly completes two parts of soap liquid preparation and transportation. Soap preparation system includes water filter, water pump, switch valve and soap tank; soap delivery system includes soap pump, flow meter, regulating valve, etc.
2. The control of water temperature is mainly through the feedback of the bimetallic thermometer in the preparation tank to control the switch of the heat transfer oil in the preparation tank, so as to heat the water to the temperature set by the user.
3. The soap tank is equipped with a stirrer, which can quickly and evenly mix the emulsifier in the soap with forced convection.





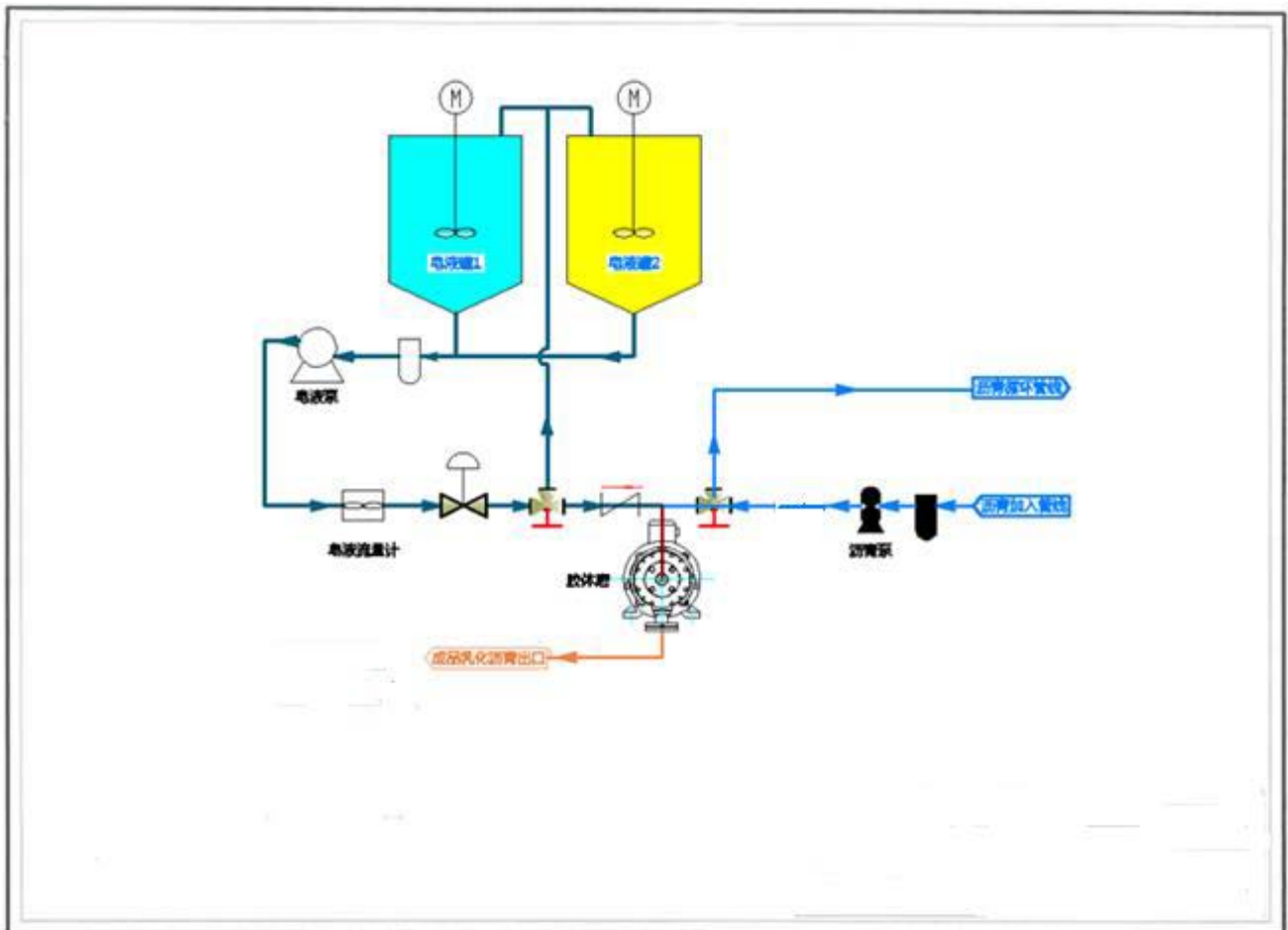
Finished product cooling system

A plate heat exchanger is used with a heat transfer area of 10m². According to production needs, it can be selected whether to cool down through the plate heat exchanger by switching the valve.





Flowchart :





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