

Vacuum Scraper Concentrator

Vacuum scraper concentrator is a new developed machine special for the high concentration herbal ointment and food paste, like tomato paste, ketchup, honey jam etc.

Vacuum scraper concentrator is using the special PTFE scraper agitator which can make inside product move under evaporator, so the product will not stick to the inside shell wall of the concentrator tank, that can be get very high viscosity final products.

- Machine structure -

The equipment including the following unit: concentrator tank equipped with scraper agitator, condenser, sub-cooler, water/gas separator, collection tank and pipeline.



- Technology data Specification -

Model	GNZ-200	GNZ-500	GNZ-1000	GNZ-1500	GNZ-2000
Concentrator tank volume (L)	200	500	1000	1500	2000
Evaporate capacity (kg/h)	50	100	160	250	350
Evaporated temperature (°C)	<60				
Vacuum degree (MPa)	-0.08--- -0.095				
Concentrator tank jacket heating area (m ²)	1	1.5	2.5	3.9	5.5
Condenser cooling area (m ²)	4	8	10	15	20
Sub-cooler cooling area (m ²)	0.5	0.5	1	1.5	2
Steam consumption (kg/h)	56	115	180	285	400
Cooling water consumption (T/h)	5	10	12	15	25
Agitator motor power (Kw)	1.1	1.5	2.2	3.0	5.5

*Above model just for reference, we can do according to client's URS *