Vacuum Concentrator

Vacuum concentrator is mainly used for heat sensitive material low temperature vacuum concentration, also used for recovery the solvent from the raw material solution.

- Machine structure -

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

Tank type vacuum concentrator

Ball type vacuum concentrator

- Technology data Specification -

Item / Model	NZ-100	NZ-300	NZ-500	NZ-1000	NZ-2000
Concentrator tank volume(L)	100	300	500	1000	2000
Evaporate capacity (kg/h)	30	60	100	160	350
Evaporated temperature (℃)	<60				
Vacuum degree (MPa)	-0.08--- -0.095				
Concentrator tank jacket heating area (m²)	0.8	1.3	1.5	2.5	5.5
Condenser cooling area (m²)	2.5	4.5	6	10	20
Sub-cooler cooling area (m²)	0.5	0.5	0.5	1.0	2
Steam consumption (kg/h)	35	70	115	180	400
Cooling water consumption (T/h)	3	5	7	12	25

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