

TECHNICAL SPECIFICATIONS

Model	Extractor Volume (M ³)	Extraction Capacity (Kg)	Evaporation & Condensation Capacity (Kg/h)	Extraction Duration (hours)	Density (%)	Temperature of Extractor & Concentrator (C)
CX-3/750	3	300	750	6-10	1,2 - 1,3	Water: ≥ 50 Alcol : ≥ 40
CX-2/500	2	200	500	6-10	1,2 - 1,3	Water: ≥ 50 Alcol : ≥ 40
CX-1/250	1	100	250	6-10	1,2 - 1,3	Water: ≥ 50 Alcol : ≥ 40
CX-0.1/25	0.1	10	25	6-10	1,2 - 1,3	Water: ≥ 50 Alcol : ≥ 40

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EXTRACTOR & CONCENTRATOR

VACUUM SYSTEM



Local Agent / Representative

EXTRACTOR & CONCENTRATOR

VACUUM SYSTEM



CX-120L



CX-1000L



CX-3000A



CX-500L



CX-1500L



CX-2000L



CX-2500L



CX-3000L

SYSTEM FEATURES:

1. Extraction and concentration at vacuum pressure - low temperature:

- For extraction with alcohol solvent, temperature is ranging 50-60C depending on the level of pressure.
- For extraction with water solvent, temperature is ranging 70-80 C depending on the level of pressure.
- When extracting in low temperature, the active ingredients are retained and unwanted impurities such as dextrin, gum, tannin are fully removed.

2. Advanced technology:

In the environment of low vacuum pressure and low temperature, solvent is supplied continuously to contact thoroughly with medical substance and get absorbed inside to retrieve active ingredients.

3. High extraction efficiency:

Assure 100% active ingredients are extracted.

4. Saving extraction solvent:

Using solvent once during extraction.

5. Low operation cost:

Simple system, facilitating cleaning activity, enclosure process prevents environment pollution. System line saves 1/3 installation area, reduces 2/3 investment cost, reduces energy consumption by 40%, reduces 1/3 labor cost and total operation cost by 50%.

6. Qualifying WHO-GMP standards:

Whole system line is made of SUS 304 or SUS 316L. Surface is fully mirror- polished.

7. Discharge door is controlled by pneumatic cylinder.

Ensure the extractor vessel to be closed absolutely. Ensure safety when compressed air is cut off.

8. Automatically controlled by PLC.

Advantage of Extractor & Concentrator Line manufactured by T&T

- 1 Active ingredients are wholly extracted because medical substance contacts with solvent continuously
- 2 Saving extraction solvent.
- 3 Extraction solvent is recyclable.
- 4 Extraction at low temperature 50-70°C hence active substance is not demolished.
- 5 No pollution or contamination due to extraction and concentration in a vacuum enclosure vessel.
- 6 Able to remove many impurities.
- 7 Quick process of extraction and concentration in one working shift.
- 8 Materials contacting with medical ingredients are made of SUS 304 qualifying GMP standards.
- 9 Automatically controlled by PLC.
- 10 Overheating by steam or electric resistance.