**Extraktor - Model TN-50**

<https://www.kosuncn.com/concentration-and-extraction-equipment/stainless-steel-extractor/herbal-extractor.html>

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# Herbal Extractor

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Product Introduction

**Introduction of the Herbal extractor**

The herbal extractor ,called herb extractor consists of extraction tank, condenser, condenser, electric heating system, vacuum and drainage system, conveying pump, equipment platform, electric control cabinet. The system is composed of valves and pipes. The unit solves the problems of large area, long time and many ingredients in the previous laboratory scale. The common capacity is: 50 L /100 L / 150L/200L and other specifications, easy for users to choose according to their own production size.

Our factory can design other capacities of all kinds of herb extraction machine according to customer ‘s different request

**Working principle of the herbal extractor**

Extracting principle: when extracting, the tank heated indirectly with heat conducting oil in jacket, set the extracting tank material temperature and boiler temperature. In the extraction process, in order to improve the extraction efficiency, open the stirring function and the stirring speed is adjustable. The steam generated in the tank enter condenser and after condensation, back to oil-water separator, water liquid reflux to extraction tank, oil discharge through the optic cup from the discharge port, such cycle until the termination of extraction. After extraction, the extracting solution through the pump into the pipeline filter, clear liquid into the concentration tank.

**Application of the herbal extractor(herb extractor)**

The herbal extractor  is widely used in the industries of traditional Chinese medicine , tea , sugar , grease and the like , in particular to the traditional Chinese medicine decoction , the extraction has wide application , and the extractor  is widely used for extracting effective components of Chinese herbal medicines and aromatic oil , and can be applied to processes such as water extraction , alcohol extraction , oil extraction , steaming and recovery residues , and can be applied to a single tank , and the utilization rate of equipment is high .

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| Model | **TN-50** | TN-100 | TN-150 |
| capacity（L） | 50 | 100 | 150 |
| Heating power（KW） | 12 | 18 | 18 |
| Jacket pressure(Mpa) | | 0.09-0.25 | |
| Inner pressure （Mpa） | | -0.098--0.09 | |
| Extraction temp（℃） | | 100 | |
| Concentration temp（℃） | | 40-80 | |
| Motor power（KW） | 1.1 | 1.5 | 2.2 |
| Condense area （M2） | 0.85 | 0.95 | 1.4 |
| Heat area （M2） | 0.65 | 0.95 | 1.1 |
| Vacuum pump （KW） | 1.5 | 2.2 | 3 |
| Vacuum degree（Mpa） | | -0.05 — -0.09 | |