

Multifunctional Extractor Tank

Multifunctional extractor tank is widely using the solution (water /solvent) to extractor the active ingredient from the different raw material, like herbal leaf, root, stem, fruit, seed, flower, animal bones & viscera etc.

It can meet the different extractor process, like the water based extractor process, solvent based extractor process, steam distill aromatic oil process .

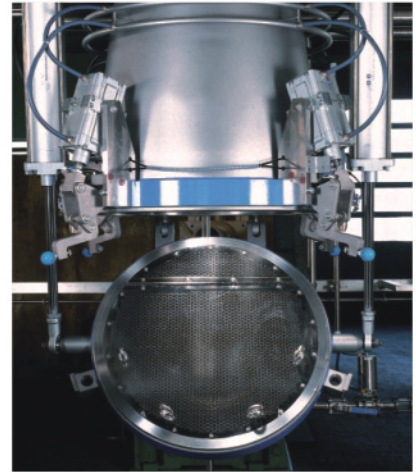
The equipment is suitable for the operation of vacuum pressure, atmospheric pressure, micro pressure for inside shell.

- Machine structure -

The equipment including the following unit: extractor tank, condenser, sub-cooler, oil/water separator, filter, pump and pipeline etc.

- Optional Functions for the extractor tank -

- Extractor tank can be equipped with top mounted agitator.
- Special side filter discharge unit in the tank bottom shell to avoid the fine raw material block the solution outlet nozzle.
- Bottom discharge gate equipped with steam heating coil.



Discharge gate

- Technology data specification -

Model	TQ-0.5	TQ-1.0	TQ-2.0	TQ-3.0	TQ-6.0	TQ-10.0
Item						
Total volume capacity (L)	570	1200	2300	3300	6700	11000
Work volume capacity (L)	500	1000	2000	3000	6000	10000
Design pressure inside tank (MPa)	-0.1/0.09					
Design pressure in jacket (MPa)	0.33					
Compressed air pressure (MPa)	0.6-0.7					
Charging manhole diameter (mm)	400	400	400	400	500	500
Condenser cooling area (m ²)	3	4.5	5.5	6.5	9.5	15
Sub-cooler cooling area(m ²)	0.5	0.5	1.0	1.2	2.0	3.0
Filter area(m ²)	0.2	0.2	0.25	0.25	0.3	0.5
Steam consumption (kg/h)@2bar	180	250	300	350	650	850
Cooling water consumption (T/h) @inlet temp is 25°C ,outlet temp is 32 °C	4	5	7	8	12	20

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

