



- Year/Month : 2008/09
- Client/Owner : KT&G
- Engineer : ILSHINAUTOCLAVE
- Location : BUYEO, REPUBLIC OF KOREA

TITLE

Supercritical CO₂ extraction system

- Pernicious ingredients removal process
(Harmful ingredient removal)

PROCESS

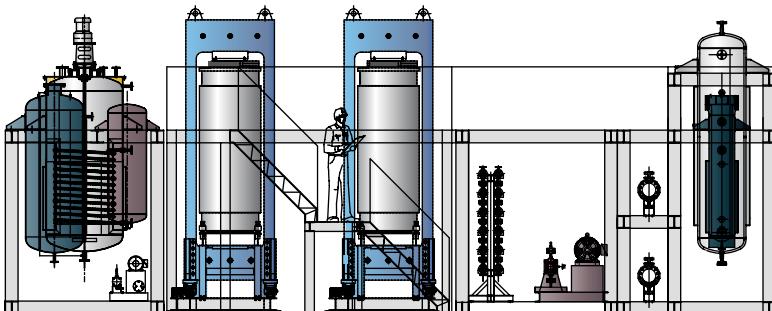
Removal Condition	450kg/cm ² at 80℃
Total Output	2.4 ton/day
Production Time	6hr/batch x 2set

MAJOR APPLIANCES

Removal Reactor	600ℓ x 2 units
Max. Working Pressure	450kg/cm ²
Yoke Flame Closure Type Cover	
Separator	160ℓ x 3 units
HP Pump	40 HP x 2 unit
Max. Working Pressure	460kg/cm ²
Max Flow Rate	25ℓ/min
Pre-Heater	Double Pipe Type x 3 units
Condenser	Shell & Tube Type x 3 units
CO ₂ Reservoir	1,300ℓ x 2 units
Liquid CO ₂ Tank	20ton x 2 units

(Certificate of Korean Gas Safety inspection)

STRUCTURE



FEATURE

- Conform with Current Good Manufacturing Practice(1st in Korea)
- For both solid and liquid material extraction
- Automatic system
- Conform with High-pressure Gas Safety Regulation
- Certificate of Korean Gas Safety inspection