



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

TITLE

Supercritical CO₂ extraction system
 – Pernicious ingredients removal process (有害成分の除去工程)

PROCESS

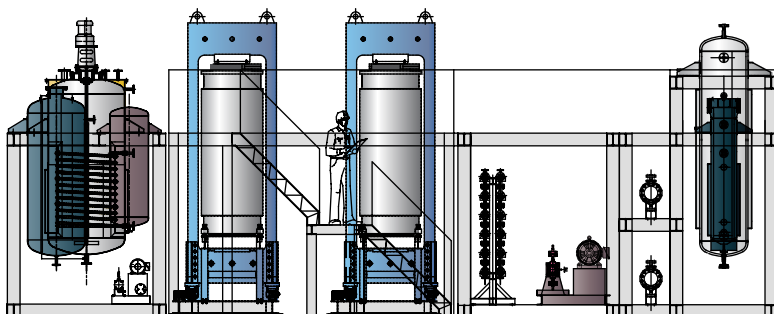
Removal Condition	450kg/cm ² at 80℃
Total Output	2.4 ton/day
Production Time	6hr/batch x 2set

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

(韓国ガス安全公社の検査)

構造図



FEATURE

- cGMP(Current Good Manufacturing Practice)規定の遵守
- 固体/液体試料の兼用処理が可能な装置
- プラント設備システム全体の自動化
- 高圧ガスの安全規定による許可、専門施工
- 韓国ガス安全公社の検査