



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

TITLE

**Supercritical CO<sub>2</sub> extraction system**  
 – Pernicious ingredients removal process (유해성분 제거 공정)

PROCESS

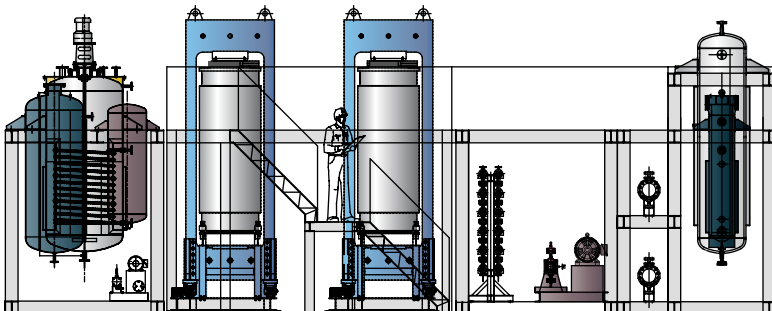
Removal Condition	450kg/cm <sup>2</sup> at 80℃
Total Output	2.4 ton/day
Production Time	6hr/batch x 2set

MAJOR APPLIANCES

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

(한국가스안전공사 검사필)

구조도



FEATURE

- cGMP(Current Good Manufacturing Practice) 규정 준수
- 고체 / 액체시료를 겸용 처리 가능한 설비
- 플랜트 설비의 전체 시스템 자동화 구현
- 고압가스 안전 규정에 의한 허가 및 전문 시공
- 한국가스안전공사 검사필