



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

TITLE

Supercritical CO₂ extraction system
 - Pernicious ingredients removal process (유해성분 제거 공정)

PROCESS

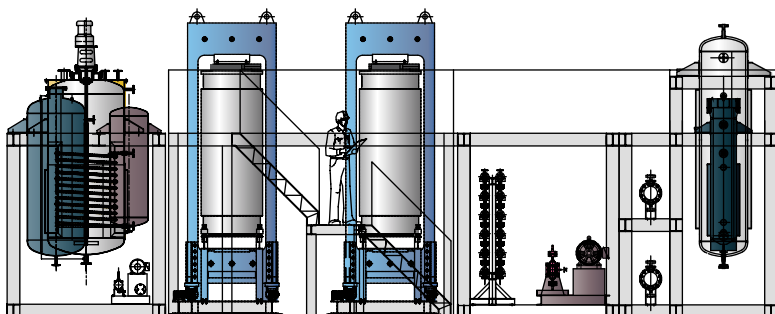
| | |
|-------------------|------------------------------|
| Removal Condition | 450kg/cm ² at 80℃ |
| Total Output | 2.4 ton/day |
| Production Time | 6hr/batch x 2set |

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 |

(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