



- Year/Month : 2006/06
- Client/Owner : OTTOGI
- Engineer : ILSHINAUTOCLAVE
- Location : EUMSEONG. REPUBLIC OF KOREA

TITLE

Supercritical CO₂ extraction system
 - Sesame oil extraction production (참기름 추출 생산)

PROCESS

Extraction Condition	400kg/cm ² at 80 °C
Total Output L	30 ton/day
Production Time	20hr/day x 3set

MAJOR APPLIANCES

Extractor	2300ℓ x 3 units
Max. Working Pressure	450kg/cm ²
Quick Closure Type Cover	

Separator	
1st	600ℓ x 3 units
2nd	500ℓ x 3 units
3rd	300ℓ x 3 units

HP Pump	190 HP x 6 unit
Max. Working Pressure	450kg/cm ²
Max Flow Rate	160ℓ/min

Pre-Heater	Double Pipe Type x 6 units
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Condenser	Shell & Tube Type x 9 units
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CO ₂ Reservoir	1,500ℓ x 4 units
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Liquid CO ₂ Tank	50ton + 20ton (x 1 units)
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(한국가스안전공사 검사필)

FEATURE

- 분체 시료(참깨류) 전용 추출설비
- 플랜트 설비의 전체 시스템 자동화 구현
- 고압가스 안전 규정에 의한 허가 및 전문 시공
- 한국가스안전공사 검사필

구조도

