



- Year/Month : 2009/10
- Client/Owner : JNBC (Jeonnam Nano Bio-Center)
- Engineer : ILSHINAUTOCLAVE
- Location : JANGSEONG, REPUBLIC OF KOREA

TITLE

Supercritical CO₂ Dry System

- Various Extraction Production (Various extraction process)

PROCESS

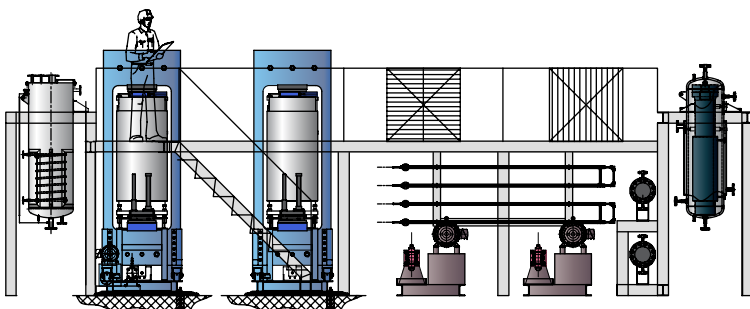
Removal Condition	700kg/cm ² at 90°C
Total Output	1 ton/day
Production Time	8hr/day x 2set

MAJOR APPLIANCES

Extractor	100ℓ x 2 units
Max. Working Pressure	700kg/cm ²
Yoke Frame Closure Type Cover	
Separator	50ℓ x 2 units
HP Pump	30 HP x 2 unit
Max. Working Pressure	700kg/cm ²
Max Flow Rate	1.2ℓ/min
Pre-Heater	Double Pipe Type x 2 units
Condenser	Shell & Tube Type x 2 units
CO ₂ Reservoir	300ℓ x 1 units
Liquid CO ₂ Tank	20ton x 1 units

(Certificate of Korean Gas Safety inspection)

STRUCTURE



FEATURE

- For both solid and liquid material extraction
- C.I.P processing after extraction finishes / system's double width structure
- Automatic system
- Conform with High-pressure Gas Safety Regulation
- Certificate of Korean Gas Safety inspection