



### 과제개요



- Year/Month : 2023
- Client/Owner : 산업통상자원부/에너지기술평가원
- Engineer : ILSHINAUTOCLAVE
- Location : OSONG, REPUBLIC OF KOREA

### TITLE

정밀화학산업 반응-분리 정제 에너지절감 공정 기술 개발 및 실증  
- 초임계추출-막증류 하이브리드 공정

### PROCESS

Extraction Condition	500 kg/cm <sup>2</sup> at 75 °C
Total Output	40 kg/day
Production Time	4 hr/day x 2 set

### MAJOR APPLIANCES

Extractor	50ℓ x 2 units
Max. Working Pressure	500kg/cm <sup>2</sup>
Yoke frame Type Cover	
Separator	
1st	20ℓ x 1 units
2nd	20ℓ x 1 units
3rd	20ℓ x 1 units
HP Pump	15 HP x 1 unit
Max. Working Pressure	500kg/cm <sup>2</sup>
Max Flow Rate	8ℓ /min
Pre-Heater	Double Pipe Type x 2 unit
Condenser	Shell & Tube Type x 2 unit
CO <sub>2</sub> Reservoir	150ℓ x 1 unit
Liquid CO <sub>2</sub> Tank	4 ton x 1 unit

(한국가스안전공사 검사필)