



- Year/Month : 2008/10
- Client/Owner : DOOSAN
- Engineer : ILSHINAUTOCLAVE
- Location : CHANGWON. REPUBLIC OF KOREA

TITLE

Control Element Drive Mechanism(CEDM)  
Performance Test Loop System

PROCESS

Working Condition	160kg/cm <sup>2</sup> at 345°C
Main Heating Capacity	30kw x 2 set
Circulation Pump	15LPM, 3-PH, 5HP

MAJOR APPLIANCES

Hot Test Loop System

Main Heater	30kw x 2 units
Heating Capacity	500°C at 200 kg/cm <sup>2</sup>
Circulation Pump	Electric Motor & Magnetic
Power	5 HP, 220 VAC, 3-PH
Flowrate	Max. 15 lpm
Heater Exchanger	Tube Coil Inserted Tank
Max. Working Condition	200 kg/cm <sup>2</sup> at 350°C
Pressurizer	150 ℓ x 1 unit
Max. Working Condition	200 kg/cm <sup>2</sup> at 350°C

Pure Water Control & Supply System

Demi Water Reservoir Tank	500 ℓ x 2 units
D.I.W Feed Pump	2180 ℓ x 1 unit
D.I.W Injection Pump	35 ℓ/min x 1 unit

Cooling System & Supply System

Air Blower	2 units
Valve Rack	2 units
Sensors	2 units

FEATURE

- 제어봉 구동장치(CEDM) 원자로 운전조건 성능 테스트 설비
- 다년간의 노하우와 다양한 인증을 통한 반응기 제작
- 플랜트 설비의 전체 시스템 자동화 구현
- 고압가스 안전 규정에 의한 허가 및 전문 시공
- 한국가스안전공사 검사필

구조도

