



- 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 ² at 345℃
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℃ at 200 kg/cm ²
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 ² at 350℃
Pressurizer	150 ℓ x 1 unit
Max. Working Condition	200 kg/cm ² at 350℃
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

- 加圧軽水型原子炉の核燃料制御棒駆動装置の健全性と信頼性の証明のための性能試験設備
- 制御棒駆動装置(CEDM)原子炉の運転条件の性能試験設備
- 多年間のノウハウと様々な認証
- プラント設備システム全体の自動化
- 高圧ガスの安全規定による許可、専門施工
- 韓国ガス安全公社の検査

構造図

