



- 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°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 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°C
Pressurizer	150 ℓ x 1 unit
Max. Working Condition	200 kg/cm ² 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

- Nuclear reactor performance test system control element drive mechanism (CEDM)
- Many years experience
- Automatic system
- Conform with High-pressure Gas Safety Regulation
- Certificate of Korean Gas Safety inspection

STRUCTURE

