High Temperature Hydrogen Storage Research and Test System

Features:

- Max Temperature: 500
- Charge Heating and Cooling
- Decharge Heating
- Max Pressure: 60 bar
- Decharge or Charge in a Set
- Decharge or Charge Analysis

Applications:

Description:

Analyze Hydrogen Storage Behavior of the Synthesized Alloys on High Temperature.

Vacuum Environment.

High Temperature Hydrogen Storage Research and Test System

Specification:

- Tank Canisters Hydrogen Storage
  - The Bodies of Tank Canisters: SUS 316L
  - Operating Temperature: 0 ~ 500°C
  - Operating Pressure: Max. 60 bar
  - Cooler Water Tube (in Tank Canisters Hydrogen Storage)
  - Material: AISI 316

- Temperature Controller
  - Charge Environmental Temperature:
    - Heating
      - ♦ Operating Temperature: 0 ~ 200°C
  - Cool Water System by High Pressure and High Temperature
    - Operating Temperature: 0 ~ 200°C
    - Material: AISI 316
    - High Temperature and High Pressure 7 Recycle Pump
  - Decharge Environmental Temperature:
    - Operating Temperature: 0 ~ 500°C
  - Temperature Controller Process Edit by Software

- Decharge/Charge Tube, Measurement and Controller
  - Decharge/Charge Tube
    - Material: SUS 316
    - Hydrogen Flow Controller
      - ♦ Max: 400 bars
    - Hydrogen Pressure Controller
      - ♦ Range: 0~64 bar
    - Vacuum Pump
    - Decharge Storage Tank
    - Decharge Cooling Tank
    - Hydrogen Dilution and Emission System

- Data Recording and Controller
  - Measurement, Data Recording and Controller PC
  - Alarm Setup Active by Software