



## SOFC High Temperature Glass-Ceramic Seals Gas Leak Test System



### Features:

- Temperature Range: 30 ~ 850°C
- High Temperature Load : Max 1 kN
- Displacement: Max 200mm
- Sample Diameter: Max 200mm

### Applications:

### Description:

SOFC uses Glass-Ceramic Seals to prevent from leaking gas when working.

It works in high temperature environment.

Appropriate to compress Glass-Ceramic Seals is necessary.



## SOFC High Temperature Glass-Ceramic Seals Gas Leak Test System

### Specification:

- Circle High Temperature Furnace
  - Operation Temperature: 30 ~ 1100°C
  - O.D.: 18" × 24"
  - I.D.: 14" × 20"
  - Power: Max 9.7 kWatts
  - Purge Port
  - Temperature Controller
    - Range: 30 ~ 1100°C
    - Process Edit
- Test Vessel
  - Operating Temperature: 30 ~ 850°C
  - Sample Diameter: Max 200 mm
  - Leak Test
    - Range: 1.0<sup>-8</sup> Std M<sup>3</sup>/sec
    - Pressure Adjusting Range: 760 ~ 960 mmHg
- Vacuum Pump
- Ultimate total pressure 3×10<sup>-3</sup> m-Torr
- Leak Test Process Controller
- Measurement, Data Recording and Controller PC
  - Recording Interface
    - A/D Converter
    - 8 channels
    - Resolution 24 Bits Input
    - Accuracy: ± 0.01%
  - Data Recording Software
- High Temperature Load
  - Load: Max 1 kN
  - Speed: Max 2mm/min
  - Displacement Control Resolution < 0.0625μm
- High Temperature Load Controller
  - Stroke: Max 200mm
  - Load: 2 kN
  - Accuracy: 0.05% F.S.
- Load Measurement Controller
  - Load stability ± 0.5% Load Cell F.S.
  - Amplifier:
    - Accuracy: ± 0.1%
    - Non-linearity: ± 0.01%
- Cooling