



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: 1.0⁻⁸ Std M³/sec
 - Pressure Adjusting Range: 760 ~ 960 mmHg
- Vacuum Pump
- Ultimate total pressure 3×10⁻³ 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