



## Hydrogen Fuel Cell Explosion proof Walk-in Chamber

---



### India Office

16 S/F B/S, T-Block Extn.  
Jain Colony Part-2 Uttam Nagar,  
New Delhi-110059  
[info@darsunscientific.in](mailto:info@darsunscientific.in)  
(+91) 9999136670, 7835864003

### USA Headquarters

30 N Gould St, Ste R  
Sheridan, Wyoming 82801  
United States

**Darsun**Scientific



Darsun Scientific

# Hydrogen Fuel Cell Explosion proof Walk-in Chamber

DSH-25L



## Product Overview

This series of temperature test chambers are suitable for reliability testing of hydrogen fuel cell stacks and their components. They have the characteristics of temperature and humidity control accuracy and wide control range parameter verification methods for environmental test equipment for electrical and electronic products - low temperature, high temperature, constant humidity and heat, alternating humidity and heat test equipment\*.

| Model                        | DSH-25L  |
|------------------------------|--|
| Temperature range            | -50°C to +100°C(temperature continuously adjustable)   |
| Temperature fluctuation      | ≤±0.5°C(No load, constant state)   |
| Temperature uniformity       | ≤2.0°C(No load, constant state)  |
| Temperature deviation        | ≤±2.0°C(No load, constant state)   |
| Interior size (mm) (WxHxD)   | 3300x2300x3300   |
| Exterior size (mm) (WxHxD)   | 4760x2600x3600   |
| Floor area (m <sup>2</sup> ) | About 17.14  |
| Heating rate                 | -30°C to +85°C ≤1°C/min (Load 1500kg battery pack and fixture)   |
| Cooling rate                 | +85°C to -30°C ≤0.5°C/min (Load 1500kg battery pack and fixture)   |
| Interior material            | Stainless steel plate(SUS304)  |
| Exterior material            | High-quality cold-rolled steel plate, surface electrostatic powder coating   |
| Insulation material          | Rigid polyurethane foam insulation layer, flame retardant grade B2   |
| Refrigeration System         | Water-cooled   |
|                              | Semi-hermetic compressor   |
| Heater                       | High quality nickel-chromium alloy heater  |
| Blower                       | Centrifugal blower   |
| Door observation window      | Glass incorporating heat generator   |
| Controller                   | 7-inch color touch screen intelligent controller<br>*Operating system: cold output version   |
| Protective devices           | Over-temperature protection, compressor overpressure, circuit breaker, overload protection, fan overload protection, oil pressure protection, water shortage protection, leakage protection. |
| Standard accessories         | Observation window, cable port (φ50mm, 1 on the left), baffle, baffle rack (2 sets), chamber lamp.   |
| Optional accessories         | RS-232C, recorder, special cable port, special sample holder, additional baffle.   |
| Power supply                 | AC380 ±10% 50Hz three-phase four-wire + ground   |