GC-8AIT

Column Oven

Temperature range	: Ambient ~ 399°C
Temperature control	: Proportional-integration type of zero cross switching system
Temperature control accuracy	: ±0.1°C
Temperature Readout (Monitor)	: When the temperatures of the column oven and the injection port/detector have reached the set points, the respective READY lamps are lit.
Heating speed	: From ambient to 350°C in 13 minutes.
Cooling speed	: From 350°C to 100°C in 3.5 minutes.
Column	: Stainless steel: 6m x 2
	Glass: 5.4m x 2
Overheat Protection	: Two-stage protection:
	(1) If the temperature exceeds the programmed (preset) temperature by 50°C, the heater will be automatically turned off.
	(2) If the temperature reaches about 420°C, the heater will be automatically turned off.

Temperature of Injection Port/Detector

Temperature range	: Ambient ~ 400°C (10°C steps)
Temperature control	: Proportional-integration type of zero cross switching system
Temperature control accuracy	: ±0.1°C
Temperature Readout (Monitor)	: When the temperatures of the column oven and the injection port/detector have reached the set points, the respective READY lamps are lit.
Overheat Protection	: If the temperature reaches about 420°C, the heater will be automatically turned off.
Injection Port	: On-column injection ports

Flow Control

Carrier gas	: Two pressure regulators
	Two column inlet pressure gauges

Thermal Conductivity Detector (TCD)

Detector	: Differential type of semi-diffusion flow system
	Four rhenium-tungsten filaments (100Ωeach)
Maximum temperature	: 400°C
Bridge current	: Constant current system (OFF, 60, 70, 80, 90, 100, 120, 140, 160, 180, 200mA)
Filament protection circuit	: Incorporated

Others

Dimensions	: 440W x 405D x 435Hmm
Weight	: 26.5kg
Power Requirements	: AC100/115V or 200/220V as ordered.
Others	1500VA max. 50/60Hz.
	: (1) Column oven heating starts after the injection port / detector reaches the set temperature.
	(2) Cannot be used with a preparative system.