

# Column Oven/Column Oven with Cooling Function

**For Stable Analysis!**



## Column oven

### Column Temperature Control with Excellent Precision

The column temperature is controlled with high precision by pulse width proportional control of the zero cross switching type. The temperature distribution in the oven is uniform, which helps to improve separation and reproduce retention time.

### Temperature Range: Room Temperature + 10°C to 80°C

The oven can control the column temperature to room temperature plus 10°C.

### Time Programming Function

The time can be programmed on the LCD panel up to 50 steps. (Temperature setting in 1°C increments, for 1 to 999.9 min)

### Networked System Control

Remote operation from a Windows™ PC is possible by using Syscon-21 software.

### Manual Injector Option

The flow channel can be made the shortest length for manual analysis.

### Metal-free Manual Injector

The flow channel is made of PEEK resin, making the valve effective for analyzing proteins of strong adsorptive nature to metals and physiologically active samples.

## Column oven with cooling function

### Temperature Range: Room Temperature - 10°C to 80°C

The oven can control the column temperature to room temperature minus 15°C. This is effective for analyzing optical isomers and carbohydrates.

Specifications: Column oven

Product No.	3004
Product Name	Column oven
System	Forced air circulation method
Temperature	(Room Temperature + 10°C) to 80°C 100°C thermostat

Temperature Setting	Digital input in 1°C increments
Temperature Accuracy	±0.5°C
Temperature Program	Time-temperature setting up to 50 steps Temperature: 0 to 80°C Time: 1 to 999.9 min
Control	100 W heater
External I/O Signal	Start, heat-off, error, Syscon connector, leak (option)
Power	AC 100 V ±10%, 50/60 Hz, 120 W
Dimensions	149(W) x 460(H) x 487(D) mm
Weight	About 12 kg

Specifications: Column oven with cooling function

Product No.	3014
Product Name	Column oven with cooling function
System	Forced air circulation method
Temperature	(Room Temperature - 15°C) to 80°C 100°C thermostat
Temperature Setting	Digital input in 1°C increments
Control Method	PID control by computer
Temperature Accuracy	±0.5°C
Temperature Program	Time-temperature setting up to 50 steps Temperature: 0 to 80°C Time: 1 to 999.9 min
Control	100 W heater, Peltier device
External I/O Signal	Start, heat-off, error, Syscon connector, leak (option)
Power	AC 100 V ±10%, 50/60 Hz, 190 W
Dimensions	149(W) x 460(H) x 487(D) mm
Weight	About 14 kg