



LLS QUICK VIEW · YAMATO SCIENTIFIC

## High Performance Muffle Furnace 7.5 L , 220V

SKU FP-313 · Thermal Processing · Muffle Furnaces

The Yamato FP-313 is a 7.5 L high-performance muffle furnace reaching 1150 °C with  $\pm 1.5$  °C control accuracy at top temperature — tighter than the



### TECHNICAL SPECIFICATIONS

#### VOLTAGE

220V AC single phase, 50/60 Hz (base FP310: 200V, 13 A)

#### EXTERNAL DIMENSIONS

446 × 505 × 566 mm (W×D×H)

#### HEATER

Pyromax, 2.4 kW nominal

#### WEIGHT

Approx. 42 kg

#### CLASS / TIER

Capital — high-temperature furnace / Tier 1

#### SAFETY DEVICES

Earth-leakage breaker, thermal fuse, independent...

#### SETTING / DISPLAY

Digital setting by jog dial; green-LED display...

#### OPERATION FUNCTIONS

Fixed temp, auto-start, auto-stop, program (max. 16...

#### TEMP RANGE

100 to 1150 °C

#### INTERNAL DIMENSIONS

200 × 250 × 150 mm (W×D×H)

#### SENSOR

R thermocouple (W sensor)

#### COOLING FAN

Condenser motor, 14 W

#### CONTROL SYSTEM

PID control by microcomputer

#### MODEL / CAPACITY

Yamato FP310 (FP-313) — approx. 7.5 L

#### ADJUSTMENT ACCURACY

$\pm 1.5$  °C (at 1150 °C)

#### ADDITIONAL FUNCTIONS

Timer, clock, total operating-hours counter (max. 49999...

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