





# YAMATO MUFFLE FURNACE OVERVIEW

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## Common Features of the Yamato Muffle Furnace

- Operating Temp. Range 100~1150°C
- Excellent heat tightness with a firmly sealed chamber door
- Upgraded with long life R-thermocouple sensors
- Safety features include self-diagnostic functions, calibration off-set, key lock function, auto recovery after power failure, earth leakage breaker and automatic overheat prevention device

## Yamato Muffle Furnace Unique Features

	<b>FO Series</b> <b>Standard Muffle Furnace</b> Model #'s <a href="#">FO100CR/110CR</a> <a href="#">FO200CR/210CR</a> <a href="#">FO300CR/310CR</a> <a href="#">FO410CR</a> <a href="#">FO610CR</a> <a href="#">FO710CR</a> <a href="#">FO810CR</a>		<b>FP Series</b> <b>High Performance Muffle Furnace</b> Model #'s <a href="#">FP103</a> <a href="#">FP303/313</a> <a href="#">FP413</a>	
<b>Controller</b>	Easy to use controller		High accuracy controller for better operability and visibility	
<b>Temp. Control Accuracy</b>	±2.0°C (at 1150°C)		±1.0°C (at 1150°C)	
<b>Max. Temp. Reaching Time</b>	60~80 mins (depending on the model)		80~90 mins (depending on the model)	
<b>Program Operation</b>	maximum of 6 patterns: 30 steps x 1 pattern, 15 steps x 2 patterns or 10 steps x 3 patterns		maximum 99 steps, 99 patterns, repeat operation	
<b>Capacity</b>	Wider selection to choose from (11 models) with inner capacity of 1.5L to 30L (.05 to 1.05 CuFt)		Four models to choose from with inner capacity of 1.5L to 11.3L (.05 to .39 CuFt)	
<b>Chamber</b>	High quality alumina porcelain hot plate where heater is exposed to the inner chamber (heater must not be exposed to halogen elements to avoid heater corrosion)		High quality alumina porcelain hot plate where heater is not exposed to the inner chamber (preventing contamination of samples)	
<b>Other Features</b>	Designed with communication port (for CR models)		Additional safety feature: independent overheat prevention device. Additional functions: power on and operation time integrating function (up to 65,535 hours); calendar timer (24 hrs.); power consumption, total CO <sub>2</sub> emission, and heater operating output; and save and access of operator's setting information.	
<b>Interior</b>				
<b>Control Panel</b>	