

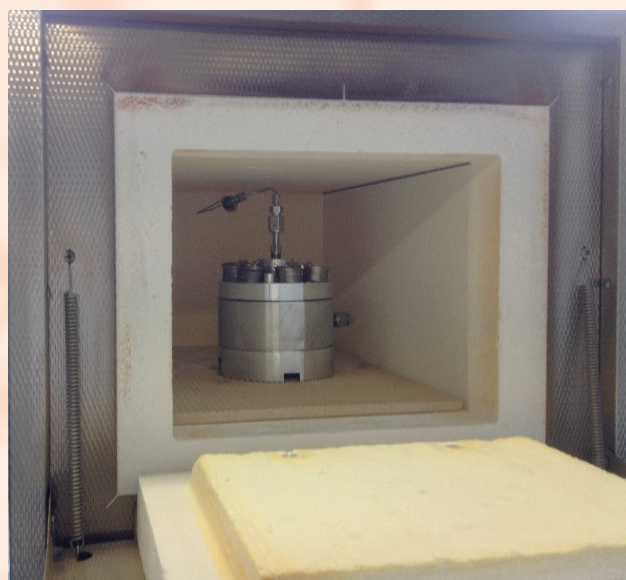
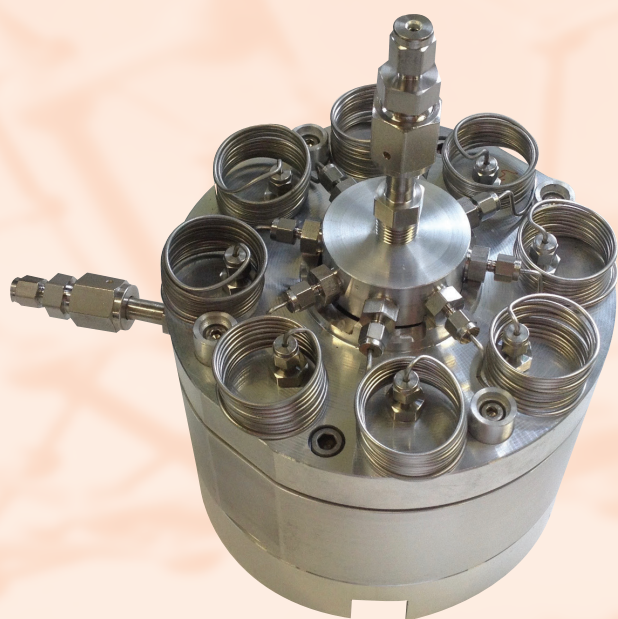
MULTI-C[®] 8100

Continuous Flow Parallel Unit for Calcination

Patent application FR1756314

Unlock your output with the first high-throughput calcination unit on the market

Optimize the calcination step with the performances
of continuous flow in a compact device



- Compact
- Easy to use
- Fast operation
- Controlled conditions
- Fits in most muffle furnaces
- Prevents cross-contamination



Technical specifications

- Simultaneous samples treatment: 8
- Crucibles volume: 8 mL
- Maximum temperature: 450 °C
- Dimensions: Ø 17 x h 19 cm
- Weight: 4.8 kg
- Materials:
 - body: aluminum alloy 2017
 - tubing and connection: stainless steel
 - seals: graphite
- Standard gas connections
- Gas flow rate range: 10 to 100 mL/min



Available options

- Individual flow rate measurement
- Additional thermocouple
- Muffle furnace

Operating conditions



Catalyst



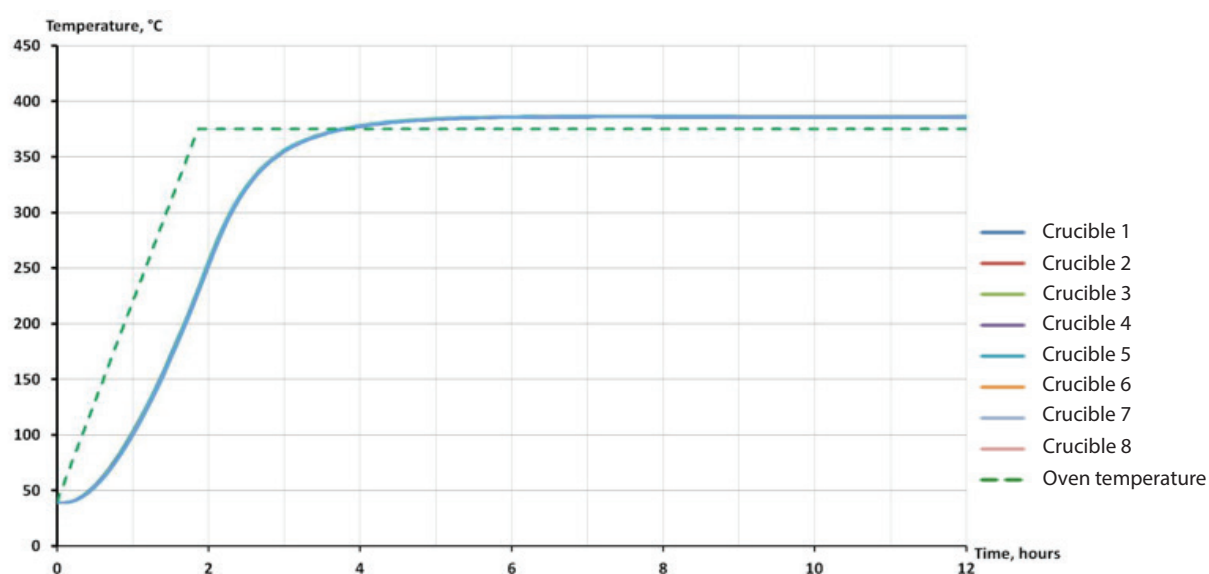
Gas composition



Temperature



Gas flow rate



Comparison of the theoretical and experimental profiles in the Multi-C° at 375 °C

After 5h of heat treatment under flux			
Oven temperature set point, °C	375	Temperature standard deviation, °C *	0.4
Average temperature of the 8 channels, °C	384	Temperature standard deviation, % *	0.1

* between the 8 crucibles