

Technical Specifications

NETZSCH

	ARC® 244	ARC® 254
Temperature range	RT to 500°C	RT to 500°C
Pressure range (Standard)	0 bar to 200 bar	0 bar to 200 bar
Lift mechanism	motorized	motorized
Typical sample volume*	0.5 ml to 7 ml	0.5 ml to 8.5 ml
Max. tracking rate	20 K/min	200 K/min
Temperature reproducibility	0.1 K	0.1 K
VariPhi®	Optional	Optional
Operating mode	<ul style="list-style-type: none"> ■ Heat-Wait-Search ■ Constant heating rate ■ Isothermal 	<ul style="list-style-type: none"> ■ Heat-Wait-Search ■ Constant heating rate ■ Isothermal
Stirring	Optional	Optional
Injection	Optional	Optional
Venting	Optional	Optional
Accessory for battery test	–	<ul style="list-style-type: none"> ■ Thermal runaway ■ Isothermal ■ Cycling
Low Φ factor	Yes, pressure-dependent**	Yes, pressure-dependent**
Kinetics software	Optional	Optional
Applications	<ul style="list-style-type: none"> ■ Process Safety ■ Comparison to legacy data 	<ul style="list-style-type: none"> ■ Process Safety ■ Battery ■ Energetic Materials

* Sample volumes shown are typical and not limits. The choice of sample vessels can influence test results. See product manual or spare parts list for more details.

** Dependent on sample pressure built-up