

	RFDA HT650	RFDA HT1600	RFDA HT1700	RFDA HTVP1600	RFDA HTVP1700C	RFDA LTVP800
Temperature range	room temperature - 650 °C (optionally up to 1050 °C)	room temperature - 1600 °C	room temperature - 1700 °C	room temperature - 1600 °C	room temperature - 1700 °C (inert) room temperature - 1500 °C (vacuum)	-50 °C - 800 °C
Heating elements	Quartz glass tubes (4 pieces)	MoSi ₂ heating elements (6 pieces)	MoSi ₂ heating elements (8 pieces)	MoSi ₂ heating elements (8 pieces)	Graphite heating elements	Infrared heating
Heating rate	1-5 °C/min	1-5 °C/min	1-5 °C/min	1-5 °C/min	1-5 °C/min	1-60 °C/min
Insulation	Multilayered fibre plates	Al ₂ O ₃ (PCW)	Al ₂ O ₃ (PCW)	Al ₂ O ₃ (PCW)	Carbon	Vacuum
Furnace wall cooling	Air	Water jacket	Water jacket	Water jacket	Water jacket	Water jacket
Atmosphere	Air (optionally: gas flow)	Air (optionally: gas flow)	Air (optionally: gas flow)	Air, inert or reduced	Inert or vacuum	Vacuum
Furnace (sample) loading	Fronnd load	Bottom load	Bottom load	Top hat	Top hat	Fronnd load
Vacuum pump	N/A	N/A	N/A	Rotary vane pump	Turbomolecular pump	Turbomolecular pump
Min. pressure	N/A	N/A	N/A	1 mbar	10 ⁻² mbar	10 ⁻⁴ mbar
Number of samples	1	1	2	1	1	1
Max. length of sample	120 mm	160 mm	160 mm	120 mm	120 mm	100 mm
Positioning of the exitation system	Fixed (1 position)	Adjustable	Adjustable	Adjustable	Adjustable	Fixed (1 position)
Positioning of the microphone	Fixed (1 position)	Adjustable	Adjustable	Fixed (3 positions)	Fixed (3 positions)	Fixed (1 position)
Sample Thermocouple	Type K	Type S	Type B	Type S	Type B	Type K
Safety Thermocouple	Type K	Type S	Type S	Type S	Type B	Type K
Laser vibrometer	N/A	N/A	N/A	N/A	optional	included
Dilatometer option	No	Yes	Yes	No	No	No