



Comparison of long pathlength gas cells

	Atmos Low gas volume. Heatable. 	Cyclone Configurable. Adjustable. 
Models	A2.5, A5, A10, A20	C2, C5, C10
Body material	Nickel-coated aluminium	Borosilicate glass or nickel-coated aluminium
Window materials	CaF ₂ or ZnSe	KBr, CaF ₂ or ZnSe
Sealing materials	Kalrez* or Viton**	Kalrez* or Viton**
Pathlength Adjustability	None – pathlength is fixed and not adjustable	Fixed or Adjustable
Gas Volume	A2.5 = 0.25 L / A5 = 0.59 L / A10 = 2.02 L / A20 = 3.59 L	C2 = 0.19 L / C5 = 1.33 L / C10 = 2.60 L
Temperature Control	Up to 200 °C with additional heating jacket	None
Maximum Pressure	125 psi (8.6 bar g)	15 psi (1 bar g) with glass body or KBr windows 125 psi with metal body and CaF ₂ or ZnSe windows
Compatibility guidelines	All commercially available FTIR spectrometers with a standard sized sample compartment.	All commercially available FTIR spectrometers with a standard sized sample compartment. The C10 model does not fit the PerkinElmer SpectrumTwo
Restrictions	Not available for Bruker Alpha or Agilent Cary 630 models	Not available for Bruker Alpha or Agilent Cary 630 models

* Kalrez® or a similar FFKM material; ** Viton® or a similar FKM material

Pathlength Options

