

Specifications and Options for Pursuit LC Columns

C18

Agilent Pursuit C18 columns feature a C18 phase covalently bonded to special 200 Å ultra-pure silica.

Particle Size (µm)	Length (mm)	id	Specifications	Method Development Notes	Working with LC/MS
3 5 10	50–250		Endcapped Pore size: 200 Å Surface area: 200 m ² /g pH: 2.0–8.0 Carbon load: 12.9%	Start with 5% methanol or acetonitrile in water as the initial solvent, and 100% methanol or acetonitrile as the final solvent. We recommend adding 0.1% formic acid in both A and B bottles.	If using LC/MS, we recommend starting with 5–10 mM ammonium formate, ammonium acetate, ammonium hydroxide, 0.1% acetic acid or 0.1% formic acid. We recommend against using ammonium bicarbonate.

C8

Agilent Pursuit C8 columns feature a C18 phase covalently bonded to special 200Å ultra-pure silica.

Particle Size (µm)	Length (mm)	id	Specifications	Method Development Notes	Working with LC/MS
3 5 10	50–250		Endcapped Pore size: 200 Å Surface area: 200 m ² /g pH: 2.0–8.0 Carbon load: 7.4%	Start with 5% methanol or acetonitrile in water as the initial solvent, and 100% methanol or acetonitrile as the final solvent. We recommend adding 0.1% formic acid in both A and B bottles.	If using LC/MS, we recommend starting with 5–10 mM ammonium formate, ammonium acetate, ammonium hydroxide, 0.1% acetic acid or 0.1% formic acid. We recommend against using ammonium bicarbonate.

PAH

Agilent Pursuit PAH columns feature a specially tailored, polymerically bonded C18 phase designed for the complete resolution of polycyclic aromatic hydrocarbons (PAHs).

Particle Size (µm)	Length (mm)	id	Specifications	Method Development Notes	Working with LC/MS
3 5	100 150	2.0 3.0 4.6	Endcapped Pore size: 200 Å Surface area: 200 m ² /g pH: 2.0–8.0	Start with 5% methanol or acetonitrile in water as the initial solvent, and 100% methanol or acetonitrile as the final solvent. We recommend adding 0.1% formic acid in both A and B bottles.	If using LC/MS, we recommend starting with 5–10 mM ammonium formate, ammonium acetate, ammonium hydroxide, 0.1% acetic acid or 0.1% formic acid. We recommend against using ammonium bicarbonate

Diphenyl

Agilent Pursuit Diphenyl columns utilize strong dipole-dipole hydrogen bonding and pi-pi mechanisms for different selectivity with aromatic compounds. They are a dependable alternative to ZORBAX Phenyl phases, such as Eclipse Plus Phenyl-Hexyl or SB-Phenyl.

Particle Size (μm)	Length (mm)	id	Specifications	Method Development Notes	Working with LC/MS
3	50–250	2.0	Endcapped	Start with 5% methanol or acetonitrile in water as the initial solvent, and 100% methanol or acetonitrile as the final solvent. We recommend adding 0.1% formic acid in both A and B bottles. This column can be used with 100% aqueous.	If using LC/MS, we recommend starting with 5–10 mM ammonium formate, ammonium acetate, ammonium hydroxide, 0.1% acetic acid or 0.1% formic acid. We recommend against using ammonium bicarbonate.
5		3.0	Pore size: 200 Å		
10		4.6	Surface area: 200 m ² /g pH: 2.0–8.0 Carbon load: 7.3%		

PFP

Agilent Pursuit PFP columns deliver excellent separation of polar (halogenated) analytes and positional isomers under standard reversed phase conditions.

Particle Size (μm)	Length (mm)	id	Specifications	Method Development Notes	Working with LC/MS
3	50–250	2.0	Endcapped		If using LC/MS, we recommend starting with 5–10 mM ammonium formate, ammonium acetate, ammonium hydroxide, 0.1% acetic acid or 0.1% formic acid. We recommend against using ammonium bicarbonate.
5		3.0	Pore size: 200 Å		
10		4.6	Surface area: 200 m ² /g pH: 2.0–8.0 Carbon load: 6.3%		