

## Liquid Chromatography

## Quasar™ Phase Specifications



Our Quasar portfolio of LC columns allows you to achieve rugged and reproducible results – batch to batch and column to column – with an all-encompassing, flexible solution that meets the diverse, changing needs of analysis.

Ultrapure silica-based Quasar columns deliver a comprehensive range of chemistries, together with state-of-the-art, optimized bonding technology to give you a versatile, high-performing

analytical solution for your increasingly complex samples. Chose from a comprehensive range of fully porous and superficially porous particles (SPP) phases.

For flexibility, we provide a wide range of column sizes, including shorter columns packed with smaller particles sizes for shorter run times and better productivity. Whatever your separation need, we have a chemistry or dimension to fill it.

## Quasar Phases Specifications

Phase	Particle Sizes (µm)	Pore Size (Å)	Surface Area (m <sup>2</sup> /g)	Carbon Load	End Capping	pH Stability	USP Code
Quasar C18	1.7, 3.0, 5.0	100	380	17%	Yes	1-10	L1
Quasar C8	1.7, 3.0, 5.0	100	380	13%	Yes	1-10	L7
Quasar AQ	1.7, 3.0, 5.0	100	380	18%	Polar End Capping	2-9	L1
Quasar HILIC	1.7, 3.0, 5.0	100	380	4%	Yes	2-8	L20
Quasar Biphenyl	1.7, 3.0, 5.0	100	380	13%	Yes	2-8	L11
Quasar CN	1.7, 3.0, 5.0	100	380	7%	Yes	2-9	L10
Quasar Silica	3.0, 5.0	100	380	-	No	2-8	L3

## Quasar SPP Phases Specifications

Phase	Particle Sizes ( $\mu\text{m}$ )	Pore Size ( $\text{\AA}$ )	Surface Area ( $\text{m}^2/\text{g}$ )	Carbon Load	End Capping	pH Stability	USP Code
Quasar SPP C18	2.6, 5.0	80	140	10%	Yes	1-9	L1
Quasar SPP HILIC	2.6, 5.0	80	140	n/a	n/a	2-8	L20
Quasar SPP Biphenyl	2.6, 5.0	80	140	7%	Yes	2-9	L11
Quasar SPP RP Amide	2.6, 5.0	80	140	9%	Yes	2-9	L60
Quasar SPP PFP	2.6, 5.0	80	140	6%	Yes	2-9	L43

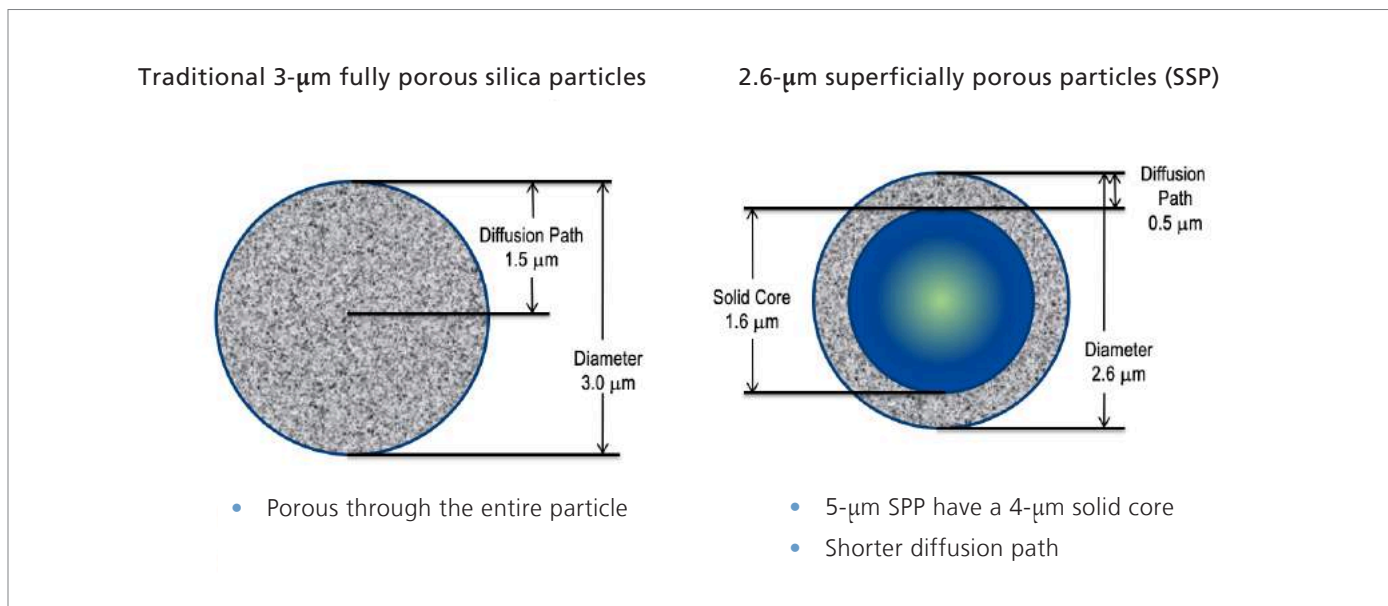


Figure 1. Quasar Particles: porous vs. SPP.