



ES Industries is pleased to introduce a line of 1.8 μ m columns for use in Supercritical Fluid Chromatography (SFC). These columns have been engineered specifically for SFC chromatography. ES Industries expertise in the silica surface modification and bond stationary technology has enabled us to develop a number of stationary phases based on the 1.8 μ m particle technology. With this breakthrough the chromatographer is not limited to silica for SFC. The following stationary phases are available for SFC sub 2 micron columns:

GreenSep Ethyl Pyridine is a specialty SFC stationary phase that is superior to conventional stationary phases (such as diol, cyano etc...) in the areas of separation selectivity, peak shape and loading capacity. GreenSep Ethyl Pyridine is the SFC column of choice for the retention and rapid separation of chemical containing strong amine groups. GreenSep Ethyl Pyridine can easily replace conventional stationary phases used in SFC and deliver superior performance.

GreenSep Amino Phenyl is a specialty SFC stationary phase that is has proven superior to conventional stationary phases (such as diol, cyano etc...) in the areas of separation selectivity and loading capacity. GreenSep Amino Phenyl as been designed for the separation of amines, alcohols and acids by SFC without the use of additives. As with the other specialty SFC phases developed at ES Industries GreenSep Amino Phenyl provides superior performance when compared against conventional SFC phases.

GreenSep PFP is a specialty SFC stationary phase that is has proven superior to conventional stationary phases (such as diol, cyano etc...) in the areas of separation selectivity and loading capacity. GreenSep PFP is specifically designed for the separation of geometrical isomers as well as diastereomers. It is the column of choice in separating compounds that contain aromatic groups, polarizable electrons and conjugate systems. GreenSep PFP is useful for the separation of halogenated compounds and is unsurpassed for its separation capabilities.

GreenSep Ethyl Pyridine 1.8u 120A

	<u>4.6mm (ID)</u>	<u>3.0mm (ID)</u>	<u>2.1mm (ID)</u>	<u>1.0mm (ID)</u>
3cm	585A91-GS-PYE	583A91-GS-PYE	582A91-GS-PYE	581A91-GS-PYE
5cm	515A91-GS-PYE	513A91-GS-PYE	512A91-GS-PYE	511A91-GS-PYE
7.5cm	595A91-GS-PYE	593A91-GS-PYE	592A91-GS-PYE	591A91-GS-PYE
10cm	525A91-GS-PYE	523A91-GS-PYE	522A91-GS-PYE	521A91-GS-PYE
15cm	535A91-GS-PYE	533A91-GS-PYE	532A91-GS-PYE	531A91-GS-PYE

GreenSep Amino Phenyl 1.8u 120A

	<u>4.6mm (ID)</u>	<u>3.0mm (ID)</u>	<u>2.1mm (ID)</u>	<u>1.0mm (ID)</u>
3cm	585A91-GS-A/PH	583A91-GS-A/PH	582A91-GS-A/PH	581A91-GS-A/PH
5cm	515A91-GS-A/PH	513A91-GS-A/PH	512A91-GS-A/PH	511A91-GS-A/PH
7.5cm	595A91-GS-A/PH	593A91-GS-A/PH	592A91-GS-A/PH	591A91-GS-A/PH
10cm	525A91-GS-A/PH	523A91-GS-A/PH	522A91-GS-A/PH	521A91-GS-A/PH
15cm	535A91-GS-A/PH	533A91-GS-A/PH	532A91-GS-A/PH	531A91-GS-A/PH

GreenSep PFP 1.8u 120A

	<u>4.6mm (ID)</u>	<u>3.0mm (ID)</u>	<u>2.1mm (ID)</u>	<u>1.0mm (ID)</u>
3cm	585A91-GS-PFP	583A91-GS-PFP	582A91-GS-PFP	581A91-GS-PFP
5cm	515A91-GS-PFP	513A91-GS-PFP	512A91-GS-PFP	511A91-GS-PFP
7.5cm	595A91-GS-PFP	593A91-GS-PFP	592A91-GS-PFP	591A91-GS-PFP
10cm	525A91-GS-PFP	523A91-GS-PFP	522A91-GS-PFP	521A91-GS-PFP
15cm	535A91-GS-PFP	533A91-GS-PFP	532A91-GS-PFP	531A91-GS-PFP

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