

Hypersil Classical Columns

The columns trusted for over 30 years

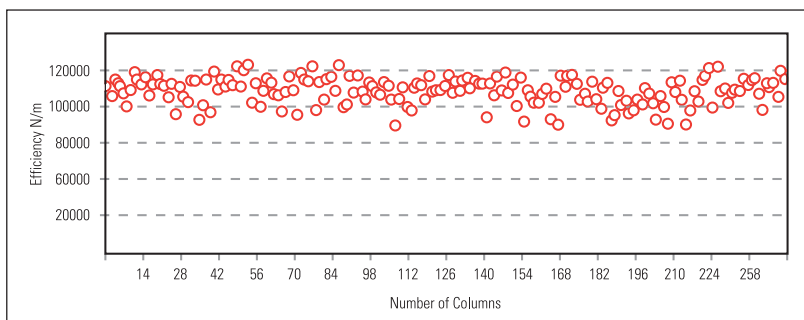
- **Wide range of excellent phases used for many existing methods**
- **High efficiency, proven reproducibility and long column lifetimes**
- **Hypersil™ columns direct from the manufacturer for the best quality, service, and technical support**

Reliable and Reproducible

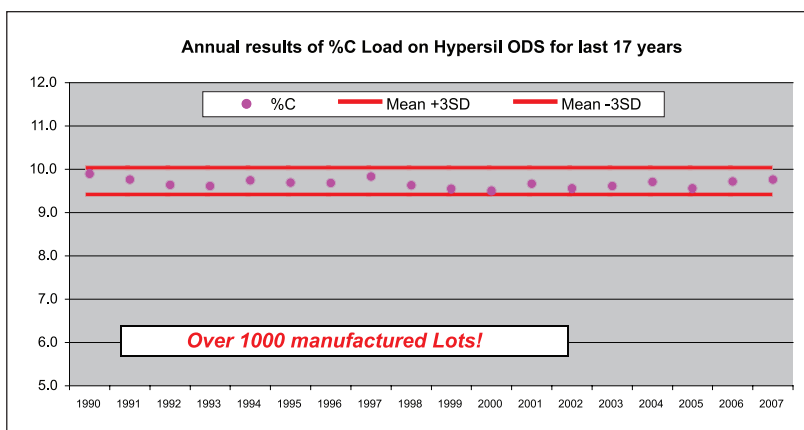
Classical Hypersil stationary phases have global recognition as an industry standard in HPLC, providing an effective analytical tool. Introduced in 1976, Hypersil phases are well-established and are referenced in many HPLC methods worldwide. We are the only manufacturer of Hypersil silica and bonded phases and are well known for quality and reproducibility of HPLC columns. For the base silica and each bonded phase manufactured, care is taken to ensure that media performance is reproducible. We conduct multiple quality control tests on every batch of silica and bonded phase produced, to ensure that the media manufactured today gives the same separation as previous batches. You can have confidence that Hypersil columns offer the highest levels of efficiency and reliability, combined with the best available customer service and technical support, as shown by our quality control data.

Wide Range of Phases and Hardware Options

Classical Hypersil columns are available in a wide range of phases, offering selectivities to match your application. Available in 3, 5 and 10 μm particle sizes as well as a variety of column dimensions, Hypersil columns offer choices in efficiency, resolution, and sensitivity. With many unique hardware configurations available, we offer the best choice of columns to meet your HPLC separation requirements.



Column-to-column reproducibility is monitored and illustrated by the consistent efficiency shown here for recent 5 μm Hypersil silica columns



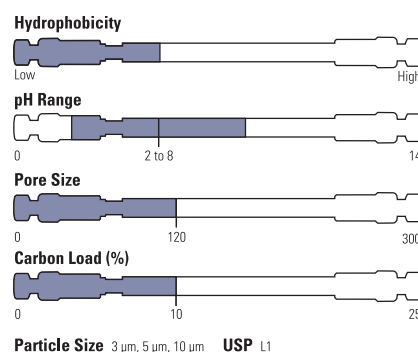
Carbon load on Hypersil ODS media since 1990 illustrates batch-to-batch reproducibility

Hypersil ODS (C18) Columns

Provide an excellent C18 phase for a broad range of applications and global standard for many existing methods



- ▶ High efficiency and proven reproducibility
- ▶ Exceptionally reliable
- ▶ Separation of a wide range of compounds including nonpolar, moderately polar and lipophilic compounds like triglycerides



Hypersil ODS (C18) HPLC Columns

Length	2.1mm I.D.	3.0mm I.D.	4.0mm I.D.	4.6mm I.D.
Particle Size 3μm				
50mm	30103-052130	30103-053030	30103-054030	30103-054630
100mm	30103-102130	30103-103030	30103-104030	30103-104630
125mm	30103-122130	30103-123030	30103-124030	30103-124630
150mm	30103-152130	30103-153030	30103-154030	30103-154630
250mm	30103-252130	30103-253030	30103-254030	30103-254630
Particle Size 5μm				
50mm	30105-052130	30105-053030	30105-054030	30105-054630
100mm	30105-102130	30105-103030	30105-104030	30105-104630
125mm	30105-122130	30105-123030	30105-124030	30105-124630
150mm	30105-152130	30105-153030	30105-154030	30105-154630
200mm	30105-202130	30105-203030	30105-204030	30105-204630
250mm	30105-252130	30105-253030	30105-254030	30105-254630

Other column dimensions including preparative columns are available. Please call Customer Service for more information.

Hypersil ODS (C18) Drop-In Guard Cartridges

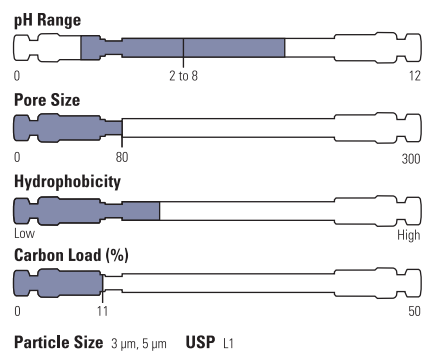
Particle Size	Length	4.6mm I.D.	4.0mm I.D.	3.0mm I.D.	2.0mm I.D.	Quantity
3μm	10mm	30103-014001	30103-014001	30103-013001	30103-012101	4 Pack
5μm	10mm	30105-014001	30105-014001	30105-013001	30105-012101	4 Pack
 UNIGUARD Drop-In Guard Cartridge Holder		850-00	850-00	852-00	852-00	1 Each

Hypersil ODS-2 (C18) Columns

Offer a well tested, dependable L1 alternative to many older column brands commonly referenced in validated methods



- ▶ Based on type A silica
- ▶ Excellent reproducibility
- ▶ Selectivity over wide range of applications
- ▶ Manufactured under ISO 9001:2000 quality guidelines



Hypersil ODS-2 (C18) HPLC Columns				
Length	2.1mm I.D.	3.0mm I.D.	4.0mm I.D.	4.6mm I.D.
Particle Size 3µm				
50mm	31603-052130	31603-153030	31603-054030	31603-054630
100mm	31603-102130	31603-103030	31603-104030	31603-104630
150mm	31603-152130	31603-153030	31603-154030	31603-154630
Particle Size 5µm				
50mm	31605-052130	31605-053030	31605-054030	31605-054630
100mm	31605-102130	31605-103030	31605-104030	31605-104630
150mm	31605-152130	31605-153030	31605-154030	31605-154630
250mm	31605-252130	31605-253030	31605-254030	31605-254630

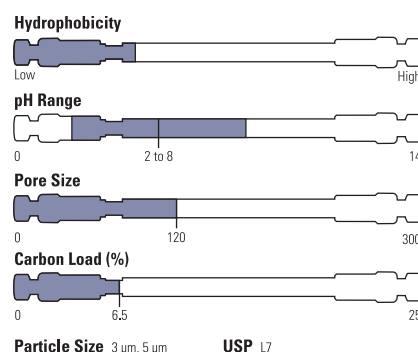
Other column dimensions are available. Please call Customer Service for more information.

Hypersil ODS-2 (C18) Drop-in Guard Cartridges						
Particle Size	Length	4.6mm I.D.	4.0mm I.D.	3.0mm I.D.	2.1mm I.D.	Quantity
3µm	10mm	31603-014001	31603-014001	31603-013001	31603-012101	4 Pack
5µm	10mm	31605-014001	31605-014001	31605-013001	31605-012101	4 Pack
	UNIGUARD Drop-in	850-00	850-00	852-00	852-00	1 Each
	Guard Cartridge Holder					

Hypersil MOS and MOS-2 (C8) Columns

Have a monolayer coverage of C8 alkyl chain chemically bonded onto the silica surface for a reproducible and efficient stationary phase

- ▶ Reliable, less retentive phase
- ▶ Long column lifetimes, even under basic conditions
- ▶ Manufactured under ISO 9001-2000 quality guidelines
- ▶ Affordable
- ▶ Hypersil MOS-2 is endcapped



Hypersil MOS (C8) HPLC Columns

Length	2.1mm I.D.	3.0mm I.D.	4.0mm I.D.	4.6mm I.D.
Particle Size 3µm				
50mm	30203-052130	30203-053030	30203-054030	30203-054630
100mm	30203-102130	30203-103030	30203-104030	30203-104630
150mm	30203-152130	30203-153030	30203-154030	30203-154630
Particle Size 5µm				
50mm	30205-052130	30205-053030	30205-054030	30205-054630
100mm	30205-102130	30205-103030	30205-104030	30205-104630
150mm	30205-152130	30205-153030	30205-154030	30205-154630
250mm	30205-252130	30205-253030	30205-254030	30205-254630

Other column dimensions are available. Also available in 10µm. Please call Customer Service for more information.

Hypersil MOS Drop-in Guard Cartridges

Particle Size	Length	4.6mm I.D.	4.0mm I.D.	3.0mm I.D.	2.1mm I.D.	Quantity
3µm	10mm	30203-014001	30203-014001	30203-013001	30203-012101	4 Pack
5µm	10mm	30205-014001	30205-014001	30205-013001	30205-012101	4 Pack
	UNIGUARD Drop-in Guard Cartridge Holder	850-00	850-00	852-00	852-00	1 Each

Hypersil MOS-2 (C8) HPLC Columns

Length	2.1mm I.D.	3.0mm I.D.	4.0mm I.D.	4.6mm I.D.
Particle Size 3µm				
50mm	30303-052130	30303-053030	30303-054030	30303-054630
100mm	30303-102130	30303-103030	30303-104030	30305-159070
150mm	30303-152130	30303-153030	30303-154030	30303-104630
Particle Size 5µm				
50mm	30305-052130	30303-053030	30303-054030	30305-054630
100mm	30305-102130	30305-103030	30305-104030	30305-104630
150mm	30305-152130	30303-153030	30305-154030	30305-154630
250mm	30305-252130	30305-253030	30305-254030	30305-254630

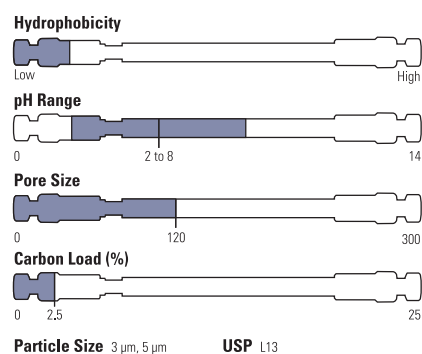
Hypersil MOS-2 (C8) Guard Cartridges

Particle Size	Length	4.6mm I.D.	4.0mm I.D.	3.0mm I.D.	2.1mm I.D.	Quantity
3µm	10mm	30303-014001	30303-014001	30303-013001	30303-012101	4 Pack
5µm	10mm	30305-014001	30305-014001	30305-013001	30305-012101	4 Pack
	UNIGUARD Drop-in Guard Cartridge Holder	850-00	850-00	852-00	852-00	1 Each

Hypersil SAS (C1) Columns

The least retentive of the Hypersil alkyl bonded phases

- ▶ Selectivity for polar and multifunctional compounds
- ▶ A short alkyl chain reversed phase material
- ▶ Useful for ion-pair separations



Hypersil SAS (C1) HPLC Columns

Length	2.1mm I.D.	3.0mm I.D.	4.0mm I.D.	4.6mm I.D.
Particle Size 3µm				
50mm	30503-052130	30503-053030	30503-054030	30503-054630
100mm	30503-102130	30503-103030	30503-104030	30503-104630
150mm	30503-152130	30503-153030	30503-154030	30503-154630
Particle Size 5µm				
50mm	30505-052130	30505-053030	30505-054030	30505-054630
100mm	30505-102130	30505-103030	30505-104030	30505-104630
150mm	30505-152130	30505-153030	30505-154030	30505-154630
250mm	30505-252130	30505-253030	30505-254030	30505-254630

Other column dimensions are available. Please call Customer Service for more information.

Hypersil SAS Drop-in Guard Cartridges

Particle Size	Length	4.6mm I.D.	4mm I.D.	3.0mm I.D.	2.1mm I.D.	Quantity
3µm	10mm	30503-014001	30503-014001	30503-013001	30503-012101	4 Pack
5µm	10mm	30505-014001	30505-014001	30505-013001	30505-012101	4 Pack
	UNIGUARD Drop-in Guard Cartridge Holder	850-00	850-00	852-00	852-00	1 Each



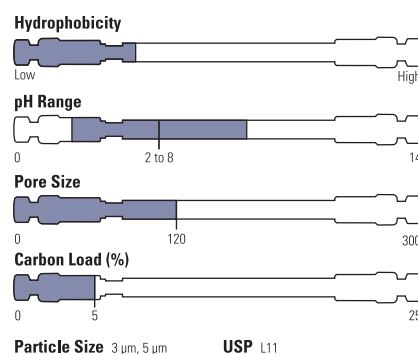
Go to: PAGE 90

See our range of HyperSep SPE Products

Hypersil Phenyl and Phenyl-2 Columns

Reversed phase materials with selectivity for the analysis of aromatic and moderately polar compounds

- ▶ For the separation of certain aromatic compounds and moderately polar compounds
- ▶ Retention characteristics similar to Hypersil MOS
- ▶ Alternative selectivity to C8
- ▶ Hypersil Phenyl-2 is endcapped



Hypersil Phenyl HPLC Columns

Length	2.1mm I.D.	3.0mm I.D.	4.0mm I.D.	4.6mm I.D.
Particle Size 3µm				
50mm	30903-052130	30903-053030	30903-054030	30903-054630
100mm	30903-102130	30903-103030	30903-104030	30903-104630
150mm	30903-152130	30903-153030	30903-154030	30903-154630
Particle Size 5µm				
50mm	30905-052130	30905-053030	30905-054030	30905-054630
100mm	30905-102130	30905-103030	30905-104030	30905-104630
150mm	30905-152130	30905-153030	30905-154030	30905-154630
250mm	30905-252130	30905-253030	30905-254030	30905-254630

Other column dimensions are available. Please call Customer Service for more information.

Hypersil Phenyl Drop-in Guard Cartridges

Particle Size	Length	4.6mm I.D.	4.0mm I.D.	3.0mm I.D.	2.1mm I.D.	Quantity
3µm	10mm	30903-014001	30903-014001	30903-013001	30903-012101	4 Pack
5µm	10mm	30905-014001	30905-014001	30905-013001	30905-012101	1 Each
	UNIGUARD Drop-in Guard Cartridge Holder	850-00	850-00	852-00	852-00	1 Each

Hypersil Phenyl-2 HPLC Columns

Length (mm)	2.1mm I.D.	3.0mm I.D.	4.0mm I.D.	4.6mm I.D.
Particle Size 5µm				
50mm	31905-052130	31905-053030	31905-054030	31905-054630
100mm	31905-102130	31905-103030	31905-104030	31905-104630
150mm	31905-152130	31905-153030	31905-154030	31905-154630
250mm	31905-252130	31905-253030	31905-254030	31905-254630

Other column dimensions are available. Please call Customer Service for more information.

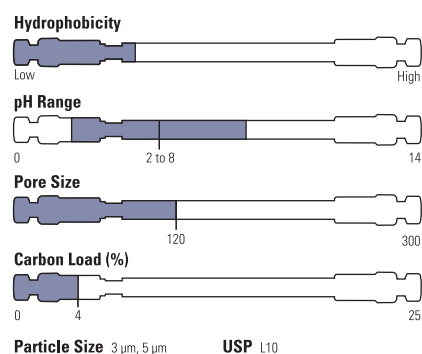
Hypersil Phenyl-2 Drop-in Guard Cartridges

Particle Size	Length	4.6mm I.D.	4mm I.D.	3mm I.D.	2.1mm I.D.	Quantity
5µm	10mm	31905-014001	31905-014001	31905-013001	31905-012101	4 Pack
	UNIGUARD Drop-In Guard Cartridge Holder	850-00	850-00	852-00	852-00	1 Each

Hypersil CPS and CPS-2 (Cyano) Columns

A cyanopropyl phase for both normal and reversed phase HPLC

- ▶ More rapid mobile phase equilibration compared with silica in normal phase
- ▶ Not deactivated by traces of water in normal phase
- ▶ One of the least retentive of reversed phase materials and, therefore, useful to separate polar compounds
- ▶ Hypersil CPS-2 is endcapped



Hypersil CPS (Cyano) HPLC Columns				
Length	2.1mm ID	3.0mm ID	4.0mm ID	4.6mm ID
Particle Size 3µm				
50mm	30803-052130	30803-053030	30803-054030	30803-054630
100mm	30803-102130	30803-103030	30803-104030	30803-104630
150mm	30803-152130	30803-153030	30803-154030	30803-154630
Particle Size 5µm				
50mm	30805-052130	30805-053030	30805-054030	30805-054630
100mm	30805-102130	30805-103030	30805-104030	30805-104630
150mm	30805-152130	30805-153030	30805-154030	30805-154630
250mm	30805-252130	30805-253030	30805-254030	30805-254630

Other column dimensions are available. Please call Customer Service for more information.

Please note that Hypersil CPS and CPS-2 columns are shipped in isooctane:ethanol. For reversed-phase applications, flush with ethanol or 2-propanol prior to use.

Hypersil CPS Drop-in Guard Cartridges						
Particle Size	Length	4.6mm I.D.	4.0mm I.D.	3.0mm I.D.	2.1mm I.D.	Quantity
3µm	10mm	30803-014001	30803-014001	30803-013001	30803-012101	4 Pack
5µm	10mm	30805-014001	30805-014001	30805-013001	30805-012101	4 Pack
	UNIGUARD Drop-in Guard Cartridge Holder	850-00	850-00	852-00	852-00	1 Each

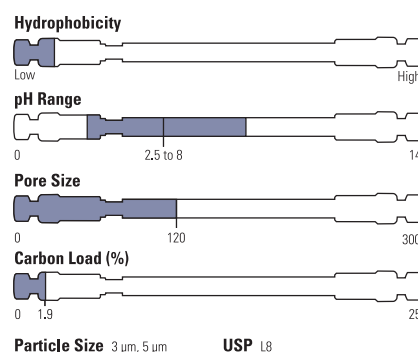
Hypersil CPS-2 (Cyano) HPLC Columns				
Length	2.1mm I.D.	3.0mm I.D.	4.0mm I.D.	4.6mm I.D.
Particle Size 5µm				
50mm	31805-052130	31805-053030	31805-054030	31805-054630
100mm	31805-102130	31805-103030	31805-104030	31805-104630
150mm	31805-152130	31805-153030	31805-154030	31805-154630
250mm	31805-252130	31805-253030	31805-254030	31805-254630

Hypersil CPS-2 (Cyano) Guard Cartridges						
Particle Size	Length	4.6mm I.D.	4.0mm I.D.	3.0mm I.D.	2.1mm I.D.	Quantity
5µm	10mm	31805-014001	31805-014001	31805-013001	31805-012101	4 Pack
	UNIGUARD Drop-in Guard Cartridge Holder	850-00	850-00	852-00	852-00	1 Each

Hypersil APS-2 Columns

Versatile amino propyl phase

- ▶ In reversed phase mode, Hypersil APS-2 columns are excellent for carbohydrate analysis: extra sensitivity for sugars
- ▶ Alternative selectivity to silica when used in normal phase



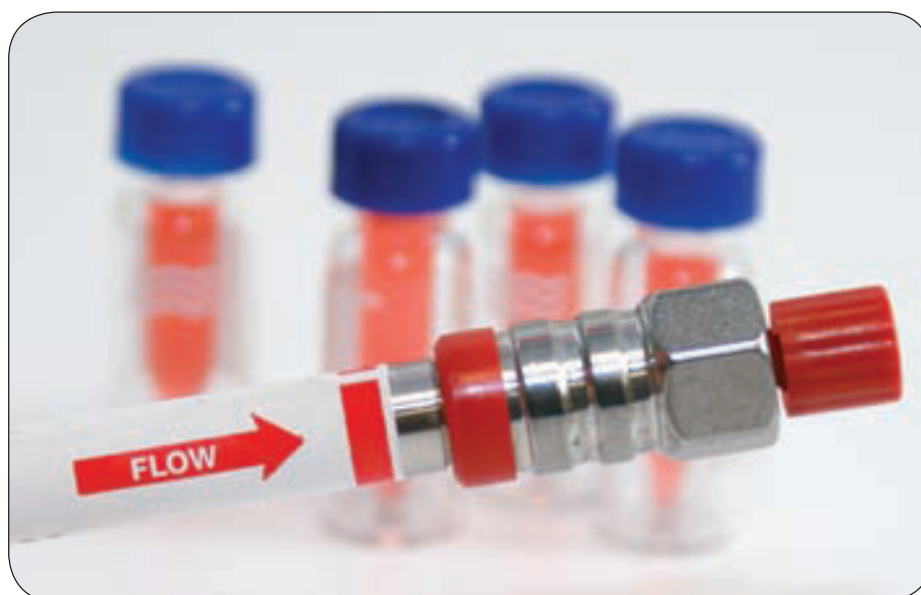
Hypersil APS-2 HPLC Columns

Length	2.1mm I.D.	3.0mm I.D.	4.0mm I.D.	4.6mm I.D.
Particle Size 3µm				
50mm	30703-052130	30703-053030	30703-054030	30703-054630
100mm	30703-102130	30703-103030	30703-104030	30703-104630
150mm	30703-152130	30703-153030	30703-154030	30703-154630
Particle Size 5µm				
50mm	30705-052130	30705-053030	30705-054030	30705-054630
100mm	30705-102130	30705-103030	30705-104030	30705-104630
150mm	30705-152130	30705-153030	30705-154030	30705-154630
250mm	30705-252130	30705-253030	30705-254030	30705-254630

Other column dimensions are available. Please call Customer Service for more information.

Hypersil APS-2 Drop-in Guard Cartridges

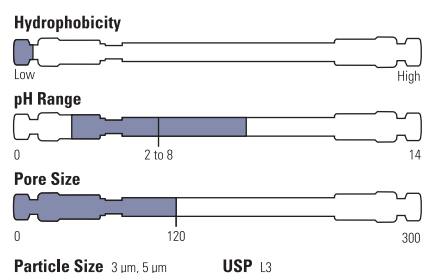
Particle Size	Length	4.6mm I.D.	4.0mm I.D.	3.0mm I.D.	2.1mm I.D.	Quantity
3µm	10mm	30703-014001	30703-014001	30703-013001	30703-012101	4 Pack
5µm	10mm	30705-014001	30705-014001	30705-013001	30705-012101	4 Each
	UNIGUARD Drop-In Guard Cartridge Holder	850-00	850-00	852-00	852-00	1 Each



Hypersil Silica Columns

An unbonded media serves as an efficient tool for normal phase chromatography of nonpolar and moderately polar organic compounds

- ▶ Excellent batch-to-batch reproducibility
- ▶ Spherical particle with narrow particle size distribution
- ▶ Long column lifetime
- ▶ High performance and column efficiency



Hypersil Silica HPLC Columns

Length	2.1mm I.D.	3.0mm I.D.	4.0mm I.D.	4.6mm I.D.
Particle Size 3μm				
50mm	30003-052130	30003-053030	30003-054030	30003-054630
100mm	30003-102130	30003-103030	30003-104030	30003-104630
150mm	30003-152130	30003-153030	30003-154030	30003-154630
Particle Size 5μm				
50mm	30005-052130	30005-053030	30005-054030	30005-054630
100mm	30005-102130	30005-103030	30005-104030	30005-104630
150mm	30005-152130	30005-153030	30005-154030	30005-154630
250mm	30005-252130	30005-253030	30005-254030	30005-254630

Other column dimensions are available. Please call Customer Service for more information.

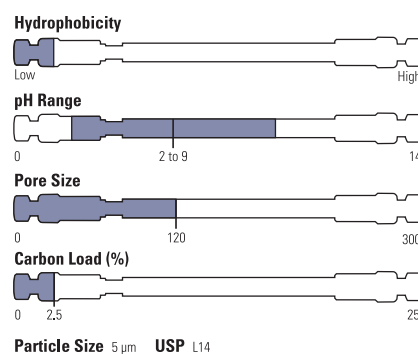
Hypersil Silica Drop-in Guard Cartridges

Particle Size	Length	4.6mm I.D.	4.0mm I.D.	3.0mm I.D.	2.1mm I.D.	Quantity
3 μ m	10mm	30003-014001	30003-014001	30003-013001	30003-012101	4 Pack
5 μ m	10mm	30005-014001	30005-014001	30005-013001	30005-012101	4 Pack
	UNIGUARD Drop-in Guard Cartridge Holder	850-00	850-00	852-00	852-00	1 Each

Hypersil SAX Columns

Highly stable silica-based quarternary amine strong anion exchange columns, designed for aqueous and low pH mobile phases

- ▶ High stability to aqueous and low pH mobile phases
- ▶ Suited to the analysis of smaller organic molecules including nucleotides and organic acids
- ▶ Quarternary amine ion exchange ligand



Hypersil SAX HPLC Columns

Length	2.1mm I.D.	3.0mm I.D.	4.0mm I.D.	4.6mm I.D.
Particle Size 5µm				
50mm	34105-052130	34105-053030	34105-054030	34105-054630
100mm	34105-102130	34105-103030	34105-104030	34105-104630
150mm	34105-152130	34105-153030	34105-154030	34105-154630
250mm	34105-252130	34105-253030	34105-254030	34105-254630

Other column dimensions are available. Please call Customer Service for more information.

Hypersil SAX Drop-In Guard Cartridges

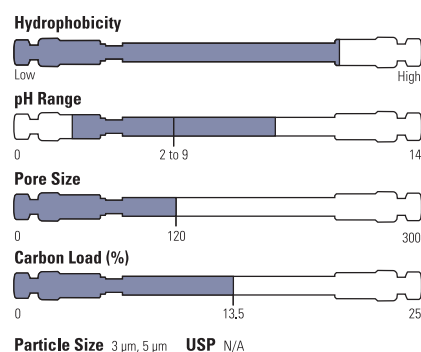
Particle Size	Length	4.6mm I.D.	4.0mm I.D.	3.0mm I.D.	2.1mm I.D.	Quantity
5µm	10mm	34105-014001	34105-014001	34105-013001	34105-012101	4 Pack
 UNIGUARD Drop-In Guard Cartridge Holder		850-00	850-00	852-00	852-00	1 Each



Hypersil Green PAH Columns

Specially tailored alkyl bonded silica with a high carbon loading, designed specifically for the analysis of polyaromatic hydrocarbons (PAHs)

- ▶ Optimized for EPA Method 610
- ▶ Rapid analysis of 16 PAHs in 4 minutes using short, fast columns
- ▶ Available in 3µm and 5µm particle size and variety of column dimensions



Hypersil Green PAH Columns				
Length	2.1mm I.D.	3.0mm I.D.	4.0mm I.D.	4.6mm I.D.
Particle Size 3µm				
50mm	31103-052130	31103-053030	31103-054030	31103-054630
100mm	31103-102130	31103-103030	31103-104030	31103-104630
150mm	31103-152130	31103-153030	31103-154030	31103-154630
Particle Size 5µm				
100mm	31105-102130	31105-103030	31105-104030	31105-104630
150mm	31105-152130	31105-153030	31105-154030	31105-154630
250mm	31105-252130	31105-253030	31105-254030	31105-254630

Other column dimensions are available. Please call Customer Service for more information.

Hypersil Green PAH Guard Cartridges						
Particle Size	Length	4.6mm I.D.	4.0mm I.D.	3.0mm I.D.	2.1mm I.D.	Quantity
3µm	10mm	31103-014001	31103-014001	31103-013001	31103-012101	4 Each
5µm	10mm	31105-014001	31105-014001	31105-013001	31105-012101	4 Each
UNIGUARD Drop-in Guard Cartridge Holder		850-00	850-00	852-00	852-00	1 Each