



- Irregular porous silica
- 5 and 10µm particle sizes
- Hichrom high efficiency

Partisil®, manufactured by Whatman International Ltd., Manchester, UK, was one of the first commercially available irregular silicas. A large surface area gives it a high loading capacity.

Partisil® ion-exchange materials are still widely used today. For a more state-of-the-art ion-exchange material we provide Inertsil® CX and AX (see page 150).

Partisil® Phases	Functional Group	Endcapped	Particle Size (µm)	Pore Size (Å)	Surface Area (m ² /g)	Carbon Load (%)
Silica	Octyl	-	5,10	85	350	-
C8	Octadecyl	Yes	5,10	85	350	9
ODS	Octadecyl	No	10	85	350	5
ODS2	Octadecyl	Yes	10	85	350	15
ODS3	Octadecyl	Yes	5,10	85	350	10.5
PAC	Amino-cyano	Np	5,10	85	350	16
SAX	Tetramethyl Ammonium	No	10	85	350	10
SCX	Sulphonic Acid	No	10	85	350	10

Ordering Information - Partisil® Columns Manufactured by Hichrom

Microbore (1.0mm - 2.1mm ID) and analytical (4.0mm ID) columns

Please contact Canadian Life Science for further details of 1.0mm, 2.1mm and 4.0mm ID Partisil columns

Medium bore (3.2mm ID) and analytical (4.6mm ID) columns

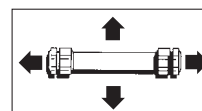
Partisil® Phase 5µm	Column Dimensions (mm)						Guard Cartridges ¹ (For 3.2mm-4.0mm i.d. columns)
	50 x 3.2	150 x 3.2	250 x 3.2	50 x 4.6	150 x 4.6	250 x 4.6	
	\$756	\$797	\$837	\$756	\$797	\$837	\$200 (5/pk) ²
Silica	P5-50AS	P5-150AS	P5-250AS	P5-50A	P5-150A	P5-250A	P5-10C5
C8	P5C8-50AS	P5C8-150AS	P5C8-250AS	P5C8-50A	P5C8-150A	P5C8-250A	P5C8-10C5
ODS	P5ODS3-50AS	P5ODS3-150AS	P5ODS3-250AS	P5ODS3-50A	P5ODS3-150A	P5ODS3-250A	P5ODS3-10C5
PAC	P5PAC-50AS	P5PAC-150AS	P5PAC-250AS	P5PAC-50A	P5PAC-150A	P5PAC-250A	P5PAC-10C5

Partisil® Phase 10µm	Column Dimensions (mm)		Guard Cartridges ¹ (For 3.2mm-4.0mm i.d. columns)
	250 x 4.6		
	\$767		
Silica	P10-250A		P10-10C5
C8	P10C8-250A		P10C8-10C5
ODS	P10ODS-250A		P10ODS-10C5
ODS2	P10ODS2-250A		P10ODS2-10C5
ODS3	P10ODS3-250A		P10ODS3-10C5
PAC	P10PAC-250A		P10PAC-10C5
SAX	P10SAX-250A		P10SAX-10C5
SCX	P10SCX-250A		P10SCX-10C5

¹ Use with free-standing holder HI-161 (\$124) and column coupler HI-081 (\$59) - see p.22

² Starter kits (\$402) also available - see p.23

Please contact us for ordering information on column dimensions not listed



PARTISPHERE® CARTRIDGE SYSTEM

- Void-sealing cartridge system
- Convenient and easy to use
- Hand tightened fittings

PartiSphere® silica is manufactured by Whatman International Ltd. The material is only readily available in the PartiSphere cartridge system.

PartiSphere Phases	Functional Group	Particle shape	Particle Size (µm)	Pore Size (Å)	Surface Area (m ² /g)	Carbon Load (%)
C8	Octyl	Spherical	5	120	160	6
C18	Octadecyl	Spherical	5	120	160	11
SAX	Quaternary Ammonium	Spherical	5	120	160	-
SCX	Benzenesulphonic Acid	Spherical	5	120	160	-

Further PartiSphere® materials are available.

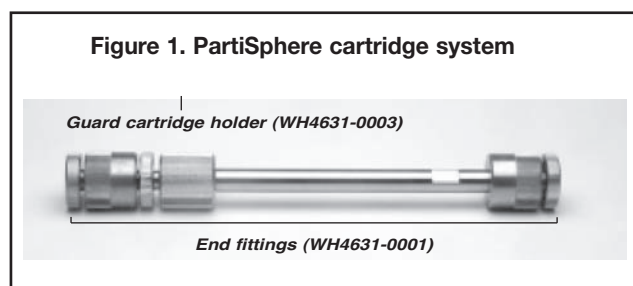
Void-sealing cartridge system

The system is characterized by a void-sealing mechanism. If a void eventually occurs at the top of the column bed, a simple tightening of the locking head will move the cone-sealing cylinder and frit downwards until it creates the zero-void configuration of the original cartridge.

Large knurled end fittings allow ready hand-tightening of the system.

PartiSphere guard cartridge system

Additional installation of the guard cartridge holder (WH4631-0003) allows use of guard cartridges (Figure 1).



Ordering Information - Cartridges

Analytical cartridges

PartiSphere Phase	Catalogue No.	Price
125 x 4.6mm replacement cartridge (1/pk)		
C8	WH4621-0503	\$664
C18	WH4621-0502	\$664
SAX	WH4621-0505	\$664
SCX	WH4621-0507	\$577
250 x 4.6mm replacement cartridge (1/pk)		
C18	WH4621-1502	\$708
SAX	WH4621-1505	\$708
SCX	WH4621-1507	\$718
Accessories		
Spare end fitting	WH4631-1001	\$323

Guard cartridges

PartiSphere Phase	Catalogue No.	Price
Replacement guard cartridges (5/pk)		
Reversed-phase	WH4641-0002	\$257
Anion exchange	WH4641-0005	\$257
Cation exchange	WH4641-0007	\$257
Accessories for guard cartridges		
Guard Cartridge Holder (1/pk)	WH4631-1003	\$565