

## Waters Spherisorb Columns

Waters Spherisorb® Columns are produced in a wide range of particle sizes (3, 5, and 10 µm) and bonded phases. Their high quality bonded phases afford many different and unique separation selectivities. Analytical columns are supplied with industry-standard, Parker-style, column end-fittings.



### Column Characteristics

	ODS2 (C <sub>18</sub> ), 80Å	ODS1 (C <sub>18</sub> ), 80Å	ODSB (C <sub>18</sub> ), 80Å	C <sub>8</sub> , 80Å	C <sub>6</sub> , 80Å	C <sub>1</sub> , 80Å
	HPLC: 3, 5, 10 µm	HPLC: 3, 5, 10 µm	HPLC: 5 µm	HPLC: 3, 5, 10 µm	HPLC: 3, 5, 10 µm	HPLC: 3, 5, 10 µm
Ligand Density*	3.0 µmol/m <sup>2</sup>	1.5 µmol/m <sup>2</sup>	3.0 µmol/m <sup>2</sup>	3.0 µmol/m <sup>2</sup>	3.4 µmol/m <sup>2</sup>	3.0 µmol/m <sup>2</sup>
Carbon Load*	Unbonded	12%	18%	12%	8%	15%
Endcap Style	Proprietary	None	Proprietary	Proprietary	Proprietary	None
USP Class No.	L1	L1	L1	L7	L15	L13
Surface Area*	220 m <sup>2</sup> /g	220 m <sup>2</sup> /g	220 m <sup>2</sup> /g	220 m <sup>2</sup> /g	220 m <sup>2</sup> /g	220 m <sup>2</sup> /g

\*Expected or approximate value.

	NH <sub>2</sub> (Amino), 80Å	Phenyl, 80Å	CN Nitrile, 80Å	OD/CN, 80Å	W (Silica), 80Å	SCX, 80Å	SAX, 80Å
	HPLC: 3, 5, 10 µm	HPLC: 3, 5, 10 µm	HPLC: 3, 5, 10 µm	HPLC: 5 µm	HPLC: 3, 5, 10 µm	HPLC: 5, 10 µm	HPLC: 5, 10 µm
Ligand Density*	2.6 µmol/m <sup>2</sup>	2.7 µmol/m <sup>2</sup>	3.3 µmol/m <sup>2</sup>	1.2 µmol/m <sup>2</sup>	—	—	—
Carbon Load*	12%	9%	18%	18%	18%	18%	18%
Endcap Style	None	None	None	Proprietary	—	Proprietary	Proprietary
USP Class No.	L8	L11	L10	—	L3	L9	L14
Surface Area*	220 m <sup>2</sup> /g	220 m <sup>2</sup> /g	220 m <sup>2</sup> /g	220 m <sup>2</sup> /g	220 m <sup>2</sup> /g	220 m <sup>2</sup> /g	220 m <sup>2</sup> /g

\*Expected or approximate value.

For Spherisorb Preparative Columns, please refer to page 213.

## Ordering Information

### Waters Spherisorb Columns

	Dimension	P/N	Dimension	P/N
	Particle Size: 3 µm		Particle Size: 5 µm	
<b>ODS1</b>	2.0 × 100 mm	PSS833422	4.0 × 125 mm	PSS845541
	2.0 × 150 mm	PSS833423	4.0 × 250 mm	PSS845542
	4.6 × 50 mm	PSS833411	4.6 × 100 mm	PSS830612
	4.6 × 100 mm	PSS833412	4.6 × 150 mm	PSS830613
	4.6 × 150 mm	PSS833413	4.6 × 250 mm	PSS830615
<b>ODS2</b>	Particle Size: 3 µm		Particle Size: 5 µm	
	2.0 × 100 mm	PSS832122	4.0 × 125 mm	PSS845543
	2.0 × 150 mm	PSS832123	4.0 × 250 mm	PSS845277
	4.6 × 50 mm	PSS832111	4.6 × 50 mm	PSS831911
	4.6 × 60 mm	PSS839853	4.6 × 100 mm	PSS831912
	4.6 × 100 mm	PSS832112	4.6 × 150 mm	PSS831913
<b>C<sub>8</sub></b>	2.0 × 100 mm	PSS832222	4.0 × 125 mm	PSS845280
	2.0 × 150 mm	PSS832223	4.0 × 250 mm	PSS845281
	4.6 × 50 mm	PSS832211	4.6 × 100 mm	PSS831812
	4.6 × 100 mm	PSS832212	4.6 × 150 mm	PSS831813
	4.6 × 150 mm	PSS832213	4.6 × 250 mm	PSS831815
<b>C<sub>6</sub></b>	Particle Size: 3 µm		Particle Size: 5 µm	
	4.6 × 150 mm	PSS833113	4.0 × 125 mm	PSS845284
			4.6 × 100 mm	PSS831012
			4.6 × 250 mm	PSS831015
<b>C<sub>1</sub></b>	Particle Size: 3 µm		Particle Size: 5 µm	
	4.6 × 50 mm	PSS832911	4.0 × 250 mm	PSS845289
	4.6 × 150 mm	PSS832913	4.6 × 100 mm	PSS832612
			4.6 × 150 mm	PSS832613
			4.6 × 250 mm	PSS832615
<b>NH<sub>2</sub></b>	Particle Size: 3 µm		Particle Size: 5 µm	
	2.0 × 100 mm	PSS832322	4.0 × 250 mm	PSS845301
	4.6 × 50 mm	PSS832311	4.6 × 150 mm	PSS831113
	4.6 × 100 mm	PSS832312	4.6 × 250 mm	PSS831115
<b>Phenyl</b>	Particle Size: 3 µm		Particle Size: 5 µm	
	4.6 × 150 mm	PSS833713	4.0 × 125 mm	PSS845292
			4.0 × 250 mm	PSS845293
			4.6 × 250 mm	PSS830815

Waters Spherisorb Columns *Continued*

	Dimension	P/N	Dimension	P/N
	Particle Size: 3 µm		Particle Size: 5 µm	
<b>CN Normal Phase</b>	2.0 × 100 mm	PSS832422	4.0 × 125 mm	PSS845296
	4.6 × 100 mm	PSS832412	4.0 × 250 mm	PSS845297
	4.6 × 150 mm	PSS832413	4.6 × 50 mm	PSS830911
			4.6 × 100 mm	PSS830912
			4.6 × 150 mm	PSS830913
			4.6 × 250 mm	PSS830915
Particle Size: 3 µm				
<b>CN Reversed Phase</b>	4.6 × 150 mm	PSS830908		
	4.6 × 250 mm	PSS830909		
Particle Size: 3 µm				
<b>W Silica</b>	4.6 × 100 mm	PSS832012	2.0 × 250 mm	PSS830125
	4.6 × 150 mm	PSS832013	4.0 × 125 mm	PSS845539
			4.0 × 250 mm	PSS845540
			4.6 × 50 mm	PSS830111
			4.6 × 250 mm	PSS830115
Particle Size: 5 µm				
<b>SAX</b>	4.0 × 125 mm	PSS845304		
	4.0 × 250 mm	PSS845305		
	4.6 × 50 mm	PSS832711		
	4.6 × 150 mm	PSS832713		
	4.6 × 250 mm	PSS832715		
<b>SCX</b>	4.0 × 125 mm	PSS845308		
	4.0 × 250 mm	PSS845309		
	4.6 × 50 mm	PSS837511		
	4.6 × 100 mm	PSS837512		
	4.6 × 150 mm	PSS837513		
	4.6 × 250 mm	PSS837515		
<b>OD/CN</b>	4.6 × 150 mm	PSS837813		
	4.6 × 250 mm	PSS837815		