

# VertiFlash™ Silica

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- Ultra-pure to guarantee uniformity and reproducibility
- Minimal fines with no impediments to flow, separations occur quickly with no loss of chromatographic performance.
- Wide range of mesh sizes allows for excellent flow rates.
- Narrow particle size distribution eliminates any guesswork in scaling separation.

VertiFlash™ Silica Gel is a very high-purity gel for preparative chromatography that provides uniformity and reproducibility for high resolution and excellent flow rates.

VertiFlash™ Silica Gel is a minimal fines with no impediments to flow, separations occur quickly with no loss of chromatographic performance.

VertiFlash™ Silica Gel is available in a wide range of particle sizes and pore sizes to accommodate any separation need for all types of low-pressure, medium-pressure and flash column chromatography. They can be applied for the cleanup and purification of a wide range of synthetic and natural compounds.

Typical applications include:

- Small molecule purification (less than 2,000 MW)
- lipids
- polymers
- nucleotides
- peptides
- Flash or general column chromatography



ASTM or EPA Method  
<sup>1</sup>75-150 ASTM D1319: Petroleum Products by FIA  
 ASTM D2549: Aromatics/Non-Aromatics from Oils  
 EPA Method 1664: N-Hexane Extraction Method  
<sup>2</sup>75-700 ASTM D2007: Rubber Extender/Processing Oils  
<sup>3</sup>250-500 EPA Method 601/624: Purgeable Halocarbons

Specifications	
Iron content (%)	< 0.01
Chloride content (%)	< 0.02
Loss on drying (%)	< 7
pH	5.5 - 7.5
Pore volume (mL/g)	0.7 - 0.9
Surface area (m <sup>2</sup> /g)	450 - 600

Ordering Information					
Pore size (Å)	Particle Size (µm)	QTY (kg)	Part No.		
<b>VertiFlash™ Silica</b>					
30	75-150 <sup>1</sup>	1	1001-0701		
		5	1001-0705		
		25	1001-0725		
	75-700 <sup>2</sup>	40-63	1	1001-0801	
			5	1001-0805	
			25	1001-0825	
		250-500 <sup>3</sup>	1	1001-0901	
			5	1001-0905	
			25	1001-0925	
	60	40-63	1	1001-1101	
			5	1001-1105	
			25	1001-1125	
60-120			1	1001-1201	
			5	1001-1205	
			25	1001-1225	
120-200		1	1001-1301		
		5	1001-1305		
		25	1001-1325		
60-200		1	1001-1401		
		5	1001-1405		
		25	1001-1425		
		200-500	1	1001-1501	
			5	1001-1505	
			25	1001-1525	
500-1000		1	1001-1601		
		5	1001-1605		
		25	1001-1625		
		90	40-63	1	1001-2101
				5	1001-2105
				25	1001-2125
60-200			1	1001-2401	
			5	1001-2405	
			25	1001-2425	
200-500	1		1001-2501		
	5		1001-2505		
	25		1001-2525		
500-1000	1		1001-2601		
	5		1001-2605		
	25		1001-2625		
	150	60-120	1	1001-3201	
			5	1001-3205	
			25	1001-3225	
120-200		1	1001-3301		
		5	1001-3305		
		25	1001-3325		
200-500		1	1001-3501		
		5	1001-3505		
		25	1001-3525		
300		40-63	1	1001-4101	
			5	1001-4105	
			25	1001-4125	
	60-200	1	1001-4401		
		5	1001-4405		
		25	1001-4425		

Sample Extraction