Flash Chromatography Column

Description

Hawach flash columns are machine-packed with ultra-pure silica gel. Unique, proprietary dry packing technique produces uniform packed sorbent bed with less channeling effect, tighter band and symmetrical peak definition, resulting better resolution and re-producibility. Innovative column design offers safety and flexibility with leak free performance.

Standard Luer-Lock end fittings enable quick, easy connection to commercially available flash systems on the market. Ultra-pure silica gel as standard packing sorbent features narrow particle size distribution, low level of fines and reduced trace metal content, neutral pH, tightly controlled water content and high surface area, providing scientists high resolution, reproducible separation and purification performance with least contamination to the desired compounds.

Advantages

• Low fines, Neutral pH, 100% guaranteed leak-free

• Clean, pre-packed, pharmaceutical-grade polypropylene cartridges

• Made with ultra-pure silica gel (we can pack your own source)

• Tight particle-size distribution to avoid leaching or channeling, no tailing

• Water activity and controlled water content for silica

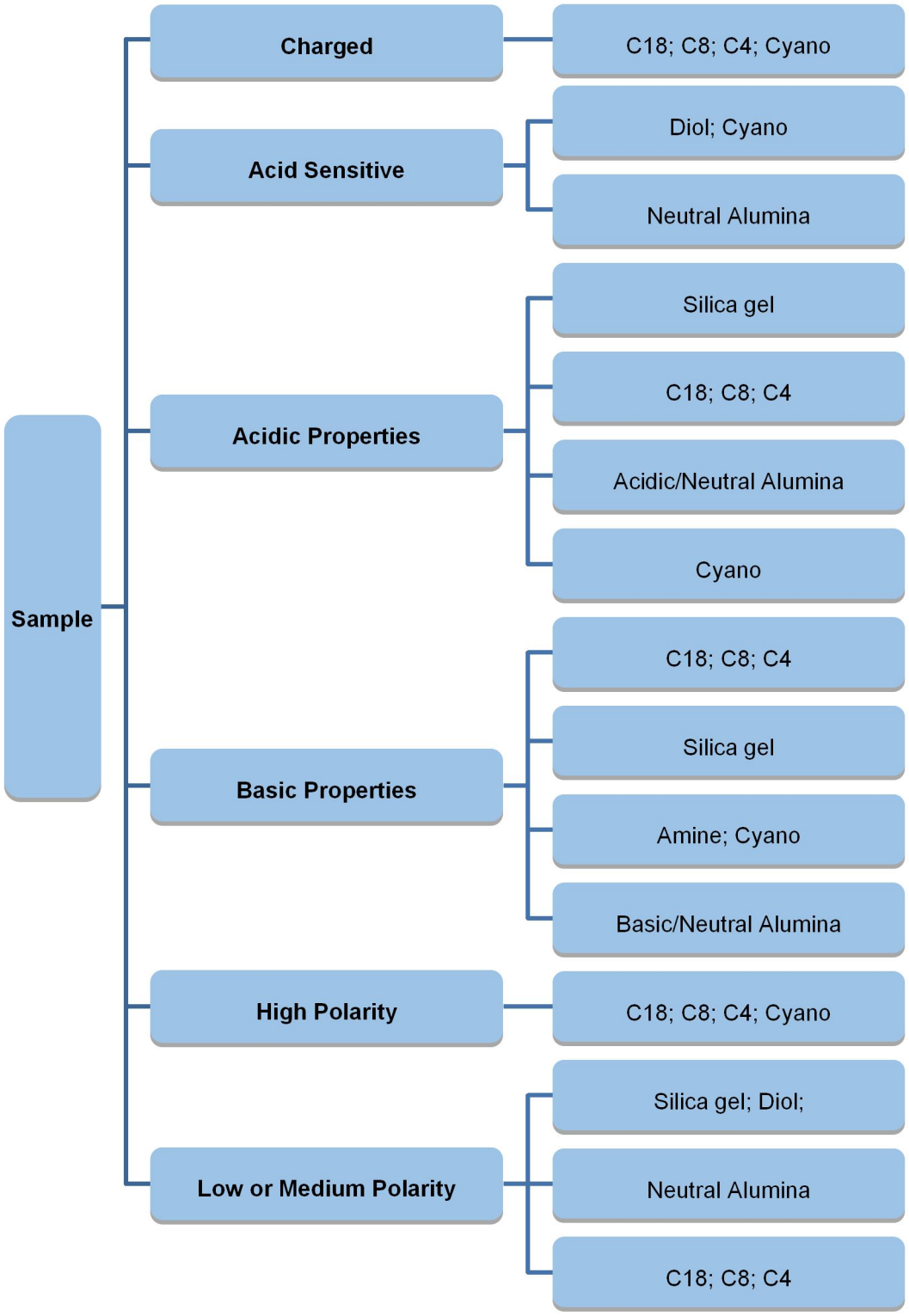
• Innovative and semi-automated packing technology

100% COMPATIBILITY with most flash chromatography systems:

1) Biotage (Isolera™, SP, Flash, FlashMaster II)
2) Teledyne Isco (CombiFlash®: Rf, Companion®, RETRIEVE®, OptiX®)
3) Grace (Reveleris® System)

Hawach Scientific

Purification based on the characteristics of the sample



1. Pre-packed Silica Series Flash Column

1.1 Standard Silica Column

Description

Ultra-pure standard silica gel (40–63μm, 60Å)
The packing is ultra-pure silica (specially washed with acid and DI water; narrow particle size and water content control)
Column Specification Surface Area: 500m^2/g
Average Pore Size: 60Å
Average Particle Size: 40-63μm
Surface pH: 6.3-7.2
Water Content: 3.0-5.0%

Ordering Information

Standard Silica gel, 40-63μm, 60Å					
Cat#	**Description**	**Sample Size**	**Flow Rate (mL/min)**	**Max. Pressure (psi/bar)**	**Package (pcs/pk)**
12011101	Flash Column, Standard Silica gel, 40-63μm,60Å, 4g	4mg-0.4g	15–40	200/14	36
12011102	Flash Column, Standard Silica gel, 40-63μm,60Å, 12g	12mg-1.2g	30-60	200/14	24
12011103	Flash Column, Standard Silica gel, 40-63μm,60Å, 25g	25mg-2.5g	30-60	200/14	20
12011104	Flash Column, Standard Silica gel, 40-63μm,60Å, 40g	40mg-4.0g	40-70	200/14	15
12011105	Flash Column, Standard Silica gel, 40-63μm,60Å, 80g	80mg-8.0g	50-100	200/14	10
12011106	Flash Column, Standard Silica gel, 40-63μm,60Å, 120g	120mg-12.0g	60-150	200/14	8
12011107	Flash Column, Standard Silica gel, 40-63μm,60Å, 220g	220mg-22.0g	80-220	150/10	4
12011108	Flash Column, Standard Silica gel, 40-63μm,60Å, 330g	330mg-33.0g	80-220	150/10	3
12011109	Flash Column, Standard Silica gel, 40-63μm,60Å, 800g	800mg-80.0g	100-300	100/7	3
12011110	Flash Column, Standard Silica gel, 40-63μm,60Å, 1600g	1.6g-160.0g	200-500	100/7	2
12011111	Flash Column, Standard Silica gel, 40-63μm,60Å, 3000g	3.0g-300g	200-500	100/6.9	1
12011128	Standard Silica gel, 40-63μm,60Å, 5000g	5g-500g	200-500	100/6.9	1
12011129	Standard Silica gel, 40-63μm,60Å, 10000g	10g-1000g	300-1000	100/6.9	1

1.2 Superior Silica Column

Description

High-efficiency superior silica gel (25–40μm, 60Å)
25–40μm flash columns are manufactured with the same cartridges as the 40-63μm (and therefore have all the same great characteristics) but are packed with ultra-pure, high-quality, high-efficiency silica gel (25–40μm, 60Å). This series present an outstanding resolution over conventional 40–63μm cartridges.

Ordering Information

Superior Silica gel, 25-40μm, 60Å					
Cat#	**Description**	**Sample Size**	**Flow Rate (mL/min)**	**Max. Pressure (psi/bar)**	**Package (pcs/pk)**
12011120	Flash Column, Superior Silica gel, 25-40μm,60Å, 4g	4mg-0.4g	15–30	300/21	24
12011121	Flash Column, Superior Silica gel, 25-40μm,60Å, 12g	12mg-1.2g	25-50	300/21	24
12011122	Flash Column, Superior Silica gel, 25-40μm,60Å, 25g	25mg-2.5g	25-50	300/21	18
12011123	Flash Column, Superior Silica gel, 25-40μm,60Å, 40g	40mg-4.0g	30-60	300/21	12
12011124	Flash Column, Superior Silica gel, 25-40μm,60Å, 80g	80mg-8.0g	40-80	300/21	10
12011125	Flash Column, Superior Silica gel, 25-40μm,60Å, 120g	120mg-12.0g	60-100	300/21	8
12011126	Flash Column, Superior Silica gel, 25-40μm,60Å, 220g	220mg-22g	80-160	250/17	4
12011127	Flash Column, Superior Silica gel, 25-40μm,60Å, 330g	330mg-33g	80-160	250/17	3

2. Advanced Series Flash Column

2.1 C18 Column

2.1.1 Spherical C18 Column

Description

40-60μm, 120Å
Column Specification Surface Area: 300m^2/g
Average Pore Size: 120Å
Average Particle Size: 40-60μm
Carbon Content: 17%

Ordering Information

Imported Spherical C18, 40-60μm, 120Å					
Cat#	**Description**	**Sample Size**	**Flow Rate (mL/min)**	**Max. Pressure (psi/bar)**	**Package (pcs/pk)**
12011201	Flash Column, Imported Spherical C18, 40-60μm,120Å, 4.5g	4.5mg-68mg	10-20	300/21	2
12011202	Flash Column, Imported Spherical C18, 40-60μm,120Å, 18g	18mg-0.27g	15-30	300/21	1
12011203	Flash Column, Imported Spherical C18, 40-60μm,120Å, 28g	28mg-0.42g	15-30	300/21	1
12011204	Flash Column, Imported Spherical C18, 40-60μm,120Å, 40g	40mg-0.60g	20-40	300/21	1
12011205	Flash Column, Imported Spherical C18, 40-60μm,120Å, 90g	90mg-1.35g	30-60	300/21	1
12011206	Flash Column, Imported Spherical C18, 40-60μm,120Å, 130g	130mg-1.95g	40-60	300/21	1
12011207	Flash Column, Imported Spherical C18, 40-60μm,120Å, 245g	245mg-3.68g	50-120	250/17	1
12011208	Flash Column, Imported Spherical C18, 40-60μm,120Å, 350g	350mg-5.25g	50-120	250/17	1

30-50μm, 120Å

Column Specification Surface Area: 300m^2/g

Average Pore Size: 120Å

Average Particle Size: 30-50μm

Carbon Content: 17%

Imported Spherical C18, 30-50μm, 120Å					
Cat#	**Description**	**Sample Size**	**Flow Rate (mL/min)**	**Max. Pressure (psi/bar)**	**Package (pcs/pk)**
12011209	Flash Column, Imported Spherical C18, 30-50μm,120Å, 4.3g	4.3mg-86mg	5-15	300/21	2
12011210	Flash Column, Imported Spherical C18, 30-50μm,120Å, 16g	16mg-0.32g	10-25	300/21	1
12011211	Flash Column, Imported Spherical C18, 30-50μm,120Å, 26g	26mg-0.52g	10-25	300/21	1
12011212	Flash Column, Imported Spherical C18, 30-50μm,120Å, 39g	39mg-0.78g	15-30	300/21	1
12011213	Flash Column, Imported Spherical C18, 30-50μm,120Å, 85g	85mg-1.7g	20-50	300/21	1
12011214	Flash Column, Imported Spherical C18, 30-50μm,120Å, 125g	125mg-2.5g	30-60	300/21	1
12011215	Flash Column, Imported Spherical C18, 30-50μm,120Å, 240g	240mg-4.8g	40-80	250/17	1
12011216	Flash Column, Imported Spherical C18, 30-50μm,120Å, 335g	335mg-6.7g	40-80	250/17	1

15μm, 100Å

Column Specification Surface Area: 320m^2/g

Average Pore Size: 100Å

Average Particle Size: 15μm

Carbon Content: 17%

Imported Spherical C18, 15μm, 100Å

Cat#	Description	Sample Size	Flow Rate (mL/min)	Max. Pressure (psi/bar)	Package (pcs/pk)
12011217	Flash Column, Imported Spherical C18, 15μm,100Å, 5.4g	5.4mg-108mg	5-15	300/21	2
12011218	Flash Column, Imported Spherical C18, 15μm,100Å, 20g	20mg-0.4g	10-25	300/21	1
12011219	Flash Column, Imported Spherical C18, 15μm,100Å, 33g	33mg-0.66g	10-25	300/21	1
12011220	Flash Column, Imported Spherical C18, 15μm,100Å, 48g	48mg-0.96g	15-30	300/21	1
12011221	Flash Column, Imported Spherical C18, 15μm,100Å, 105g	105mg-2.1g	20-50	300/21	1
12011222	Flash Column, Imported Spherical C18, 15μm,100Å, 155g	155mg-3.1g	30-60	300/21	1
12011223	Flash Column, Imported Spherical C18, 15μm,100Å, 290g	290mg-5.8g	40-80	250/17	1
12011224	Flash Column, Imported Spherical C18, 15μm,100Å, 410g	410mg-8.2g	40-80	250/17	1

20-45μm, 100Å
Column Specification Surface Area: 320m^2/g
Average Pore Size: 100Å
Average Particle Size: 20-45μm
Carbon Content: 17%

Imported Spherical C18, 20-45μm, 100Å

Cat#	Description	Sample Size	Flow Rate (mL/min)	Max. Pressure (psi/bar)	Package (pcs/pk)
12011225	Flash Column, Imported Spherical C18, 20-45μm,100Å, 5.4g	5.4mg-108mg	5-15	300/21	2
12011226	Flash Column, Imported Spherical C18, 20-45μm,100Å, 20g	20mg-0.4g	10-25	300/21	1
12011227	Flash Column, Imported Spherical C18, 20-45μm,100Å, 33g	33mg-0.66g	10-25	300/21	1
12011228	Flash Column, Imported Spherical C18, 20-45μm,100Å, 48g	48mg-0.96g	15-30	300/21	1
12011229	Flash Column, Imported Spherical C18, 20-45μm,100Å, 105g	105mg-2.1g	20-50	300/21	1
12011230	Flash Column, Imported Spherical C18, 20-45μm,100Å, 155g	155mg-3.1g	30-60	300/21	1
12011231	Flash Column, Imported Spherical C18, 20-45μm,100Å, 300g	300mg-6.0g	40-80	250/17	1
12011232	Flash Column, Imported Spherical C18, 20-45μm,100Å, 420g	420mg-8.4g	40-80	250/17	1

2.1.2 Irregular C18 Column

Description

40-63μm, 60Å

Column Specification Surface Area: 500m^2/g
Average Pore Size: 60Å
Average Particle Size: 40-63μm
Carbon Content: 17%

Ordering Information

Imported Irregular C18, 40-63μm, 60Å					
Cat#	**Description**	**Sample Size**	**Flow Rate (mL/min)**	**Max. Pressure (psi/bar)**	**Package (pcs/pk)**
12011233	Flash Column, Imported Irregular C18, 40-63μm,60Å, 5.9g	5.9mg-118mg	10-20	300/21	2
12011234	Flash Column, Imported Irregular C18, 40-63μm,60Å, 23g	23mg-0.46g	15-30	300/21	1
12011235	Flash Column, Imported Irregular C18, 40-63μm,60Å, 38g	38mg-0.76g	15-30	300/21	1
12011236	Flash Column, Imported Irregular C18, 40-63μm,60Å, 55g	55mg-1.1g	20-40	300/21	1
12011237	Flash Column, Imported Irregular C18, 40-63μm,60Å, 122g	122mg-2.5g	30-60	300/21	1
12011238	Flash Column, Imported Irregular C18, 40-63μm,60Å, 180g	180mg-3.6g	40-80	300/21	1
12011239	Flash Column, Imported Irregular C18, 40-63μm,60Å, 340g	340mg-6.8g	50-100	250/17	1
12011240	Flash Column, Imported Irregular C18, 40-63μm,60Å, 475g	475mg-9.5g	50-100	250/17	1

2.2 Spherical NH2 Column

Description

Bonded with propylamino group on silica gel, NH2 flash columns has good retention for compounds capable of forming hydrogen bonds. The content of water in the mobile phase has little effect on the chromatography behavior. It has a high re-producibility and long lifetime, and is a good choice for compounds likely to form hydrogen bonds, such as carbohydrate and alcohols.
Average Pore Size: 60Å
Average Particle Size: 40-63μm
Surface Area: 500m^2/g
Amino Content: 1.3mmol/g

Ordering Information

Imported Spherical NH2, 40-63μm, 60Å					
Cat#	Description	Sample Size	Flow Rate (mL/min)	Max. Pressure (psi/bar)	Package (pcs/pk)
12011241	Flash Column, Imported Spherical NH2, 40–63μm,60Å, 5.9g	5.9 mg-118mg	10-20	300/21	2
12011242	Flash Column, Imported Spherical NH2, 40–63μm,60Å, 23g	23mg-0.46g	15-30	300/21	1
12011243	Flash Column, Imported Spherical NH2, 40–63μm,60Å, 38g	38mg-0.76g	15-30	300/21	1
12011244	Flash Column, Imported Spherical NH2, 40–63μm,60Å, 55g	55mg-1.1g	20-40	300/21	1
12011245	Flash Column, Imported Spherical NH2, 40–63μm,60Å, 122g	122mg-2.5g	30-60	300/21	1
12011246	Flash Column, Imported Spherical NH2, 40–63μm,60Å, 180g	180mg-3.6g	40-80	300/21	1
12011247	Flash Column, Imported Spherical NH2, 40–63 μm,60Å, 340g	340mg-6.8g	50-100	250/17	1
12011248	Flash Column, Imported Spherical NH2, 40–63μm,60Å, 475g	475mg-9.5g	50-100	250/17	1

2.3 Spherical C4 Column

Description

Reversed phase bond the C4 non-polar alkyl functional group, the reversed phase separation model is in contrast to the positive phase. In reversed-phase chromatography, non-polar or hydrophobic compounds are strongly retained, while polarity samples which are weakly retained can go through the column faster.

Because of its good re-producibility and wide application range, reverse phase filler is becoming a popular and purification separation technology.

Average Pore Size: 100Å

Average Particle Size: 20-45μm

Surface Area: 320m^2/g

Carbon Content: 5.8%

Order Information

Imported Spherical C4, 20-45μm, 100Å					
Cat#	Description	Sample Size	Flow Rate (mL/min)	Max. Pressure (psi/bar)	Package (pcs/pk)
12011249	Flash Column, Imported Spherical C4, 20–45μm,100Å, 5.4g	5.4 mg–108mg	5–15	300/21	2
12011250	Flash Column, Imported Spherical C4, 20–45μm,100Å, 20g	20 mg–0.40g	10–25	300/21	1
12011251	Flash Column, Imported Spherical C4, 20–45μm,100Å, 33g	33 mg–0.66g	10–25	300/21	1

12011252	Flash Column, Imported Spherical C4, 20–45μm,100Å, 48g	48 mg–0.96g	15–30	300/21	1
12011253	Flash Column, Imported Spherical C4, 20–45μm,100Å, 105g	105 mg–2.1g	20–50	300/21	1
12011254	Flash Column, Imported Spherical C4, 20–45μm,100Å, 155g	155 mg–3.1g	30–60	300/21	1
12011255	Flash Column, Imported Spherical C4, 20–45μm,100Å, 300g	300 mg–6.0g	40–80	250/17	1
12011256	Flash Column, Imported Spherical C4, 20–45μm,100Å, 420g	420 mg–8.4g	40–80	250/17	1

2.4 Spherical C8 Column

Description

Reversed phase bond the C8 non-polar alkyl functional group, the reversed phase separation model is in contrast to the positive phase. In reversed-phase chromatography, non-polar or hydrophobic compounds are strongly retained, while polarity samples which are weakly retained can go through the column faster.

Because of its good re-producibility and wide application range, reverse phase filler is becoming a popular and purification separation technology.

Average Pore Size: 100Å

Average Particle Size: 20-45μm

Surface Area: 320m^2/g

Carbon Content: 7%

Order Information

Imported Spherical C8, 20-45μm, 100Å					
Cat#	**Description**	**Sample Size**	**Flow Rate (mL/min)**	**Max. Pressure (psi/bar)**	**Package (pcs/pk)**
12011257	Flash Column, Imported Spherical C8, 20–45μm,100Å, 5.4g	5.4 mg–108mg	5–15	300/21	2
12011258	Flash Column, Imported Spherical C8, 20–45μm,100Å, 20g	20 mg–0.20g	10–25	300/21	1
12011259	Flash Column, Imported Spherical C8, 20–45μm,100Å, 33g	33 mg–0.66g	10–25	300/21	1
12011260	Flash Column, Imported Spherical C8, 20–45μm,100Å, 48g	48 mg–0.96g	15–30	300/21	1
12011261	Flash Column, Imported Spherical C8, 20–45μm,100Å, 105g	105 mg–2.1g	20–50	300/21	1
12011262	Flash Column, Imported Spherical C8, 20–45μm,100Å, 155g	155 mg–3.1g	30–60	300/21	1
12011263	Flash Column, Imported Spherical C8, 20–45μm,100Å, 300g	300 mg–6.0g	40–80	250/17	1
12011264	Flash Column, Imported Spherical C8, 20–45μm,100Å, 420g	420 mg–8.4g	40–80	250/17	1

2.5 Spherical CN Column

Description

High purity silicon substrate bonding cyano group; Polarity is between silicone and C18, can be used for both normal phase and reverse phase separation.

Average Pore Size: 100Å
Average Particle Size: 20-45μm
Surface Area: 320m^2/g
Carbon Content: 5.5%

Order Information

Imported Spherical CN, 20-45μm, 100Å					
Cat#	**Description**	**Sample Size**	**Flow Rate (mL/min)**	**Max. Pressure (psi/bar)**	**Package (pcs/pk)**
12011265	Flash Column, Imported Spherical CN, 20–45μm,100Å, 5.4g	5.4 mg–108mg	5–15	300/21	2
12011266	Flash Column, Imported Spherical CN, 20–45μm,100Å, 20g	20 mg–0.20g	10–25	300/21	1
12011267	Flash Column, Imported Spherical CN, 20–45μm,100Å, 33g	33 mg–0.66g	10–25	300/21	1
12011268	Flash Column, Imported Spherical CN, 20–45μm,100Å, 48g	48 mg–0.96g	15–30	300/21	1
12011269	Flash Column, Imported Spherical CN, 20–45μm,100Å, 105g	105 mg–2.1g	20–50	300/21	1
12011270	Flash Column, Imported Spherical CN, 20–45μm,100Å, 155g	155 mg–3.1g	30–60	300/21	1
12011271	Flash Column, Imported Spherical CN, 20–45μm,100Å, 300g	300 mg–6.0g	40–80	250/17	1
12011272	Flash Column, Imported Spherical CN, 20–45μm,100Å, 420g	420 mg–8.4g	40–80	250/17	1

2.6 Spherical ARG Column

Description

Hawach ARG flash columns are spherical, is based on the amino acid arginine modified chemical surface, it can separate hydrophilic compounds such as amino acid, peptide, vitamin and nucleic acid. It can also used for separation of various hydrophilic compounds.
Column Specification Surface Area: 320m^2/g
Average Pore Size: 100Å
Average Particle Size: 20-45μm
Carbon loading: 8%

Ordering Information

Imported Spherical ARG, 20-45μm, 100Å					
Cat#	**Description**	**Sample Size**	**Flow Rate (mL/min)**	**Max. Pressure (psi/bar)**	**Package (pcs/pk)**
12011273	Flash Column, Imported Spherical ARG, 20–45μm,100Å, 5.4g	5.4 mg–108mg	5–15	400/27.5	2
12011274	Flash Column, Imported Spherical ARG, 20–45μm,100Å, 20g	20 mg–0.40g	10–25	400/27.5	1
12011275	Flash Column, Imported Spherical ARG,	33 mg–0.66g	10–25	400/27.5	1

	20–45μm,100Å, 33g				
12011276	Flash Column, Imported Spherical ARG, 20–45μm,100Å, 48g	48 mg–0.96g	15–30	400/27.5	1
12011277	Flash Column, Imported Spherical ARG, 20–45μm,100Å, 105g	105 mg–2.1g	20–50	350/24	1
12011278	Flash Column, Imported Spherical ARG, 20–45μm,100Å, 155g	155 mg–3.1g	30–60	300/21	1
12011279	Flash Column, Imported Spherical ARG, 20–45μm,100Å, 270g	300 mg–6.0g	40–80	300/21	1
12011280	Flash Column, Imported Spherical ARG, 20–45μm,100Å, 420g	420 mg–8.4g	40–80	250/17	1

2.7 Neutral Alumina Column

Description

The alumina flash columns are useful when the samples are sensitive and prone to degradation on silica gel.
High-quality alumina (50–75μm)
Unique, proprietary dry packing technique
Standard Luer-Lock inlet and Luer-Slip outlet
Innovative column design
High-cost performance

Ordering Information

Imported Neutral Alumina, 50-75μm

Cat#	Description	Sample Size	Flow Rate (mL/min)	Max. Pressure (psi/bar)	Package (pcs/pk)
12011281	Flash Column, Imported Neutral alumina, 50–75μm, 8g	40mg-0.32g	10-30	200/14	36
12011282	Flash Column, Imported Neutral alumina, 50–75μm, 28g	120mg-1.0g	15-45	200/14	24
12011283	Flash Column, Imported Neutral alumina, 50–75μm, 46g	250mg-2.0g	15-45	200/14	20
12011284	Flash Column, Imported Neutral alumina, 50–75μm, 75g	400mg-3.2g	20-50	200/14	15
12011285	Flash Column, Imported Neutral alumina, 50–75μm, 150g	800mg-6.4g	30-60	200/14	10
12011286	Flash Column, Imported Neutral alumina, 50–75μm, 220g	1.2g-9.6g	30-70	200/14	8
12011287	Flash Column, Imported Neutral alumina, 50–75μm, 390g	2.2g-17.6g	40-80	150/10	5
12011288	Flash Column, Imported Neutral alumina, 50–75μm, 600g	3.3g-26.4g	50-120	150/10	3

3. Economic Series Flash Column

Features

- Chosen silica of homogeneous particle and pore size, special bonding technique, guarantee the good re-producibility and performance each batch
- Multiple choices, multiple packing material and size
- Adopt Luer Lock inlet and Luer Slip outlet, good compatibility with most of HPLC systems, such as Isco, Biotage, Armen etc
- Provide abundant applications
- Polypropylene tube and joints to tolerate the column pressure
- Cost-effective, high quality and high effective
- Specification: 4g,12g, 20g, 40g, 80g, 120g, 220g, 330g

Packing Material Instructions

Packing Materials	Particle Size(μm)	Pore Size(Å)	Surface Area(m^2/g)	Description
Irregular C18	40-63	60	/	Reversed phase, universal packing material
Spherical C18	20-45 40-75	120	480	Most popular C18 sorbent
Spherical Phenyl	20-45	120	480	Similar polarity to C18, additional polar secondary interactions enhanced retention of aromatic
Spherical CN	20-45	120	480	Can separate polar or non-polar compounds
Spherical NH2	20-45	120	480	Can be used for compounds containing –OH,-NH or –SH group by hydrogen bonding
Spherical SAX	20-45	120	480	Retains negatively charged compounds
Spherical SCX	20-45	120	480	Useful for compounds with cationic and basic characteristics

3.1 Irregular C18 Column

Order Information

Domestic Irregular C18, 40-63μm, 60Å		
Cat#	**Description**	**Package (pcs/pk)**
12013001	Flash Column, Domestic Irregular C18, 40-63μm, 60Å, 4g	20
12013002	Flash Column, Domestic Irregular C18, 40-63μm, 60Å,12g	18
12013003	Flash Column, Domestic Irregular C18, 40-63μm, 60Å, 25g	12
12013004	Flash Column, Domestic Irregular C18, 40-63μm, 60Å, 40g	10

12013005	Flash Column, Domestic Irregular C18, 40-63μm, 60Å, 80g	10
12013006	Flash Column, Domestic Irregular C18, 40-63μm, 60Å, 120g	10
12013007	Flash Column, Domestic Irregular C18, 40-63μm, 60Å, 220g	6
12013008	Flash Column, Domestic Irregular C18, 40-63μm, 60Å, 330g	4

3.2 Spherical C18 Column

Description

With the popular universality, Reverse phase spherical silica C18 can satisfy the requirement of most of the separation. 20-40μm and 40-70μm provide separation in different degrees.

Order Information

Domestic Spherical C18, 20-40μm, 100Å		
Cat#	**Description**	**Package (pcs/pk)**
12013009	Flash Column, Domestic Spherical C18, 20-40μm, 100Å, 4g	20
12013010	Flash Column, Domestic Spherical C18, 20-40μm, 100Å,12g	18
12013011	Flash Column, Domestic Spherical C18, 20-40μm, 100Å, 25g	12
12013012	Flash Column, Domestic Spherical C18, 20-40μm, 100Å, 40g	10
12013013	Flash Column, Domestic Spherical C18, 20-40μm, 100Å, 80g	10
12013014	Flash Column, Domestic Spherical C18, 20-40μm, 100Å, 120g	10
12013015	Flash Column, Domestic Spherical C18, 20-40μm, 100Å, 220g	6
12013016	Flash Column, Domestic Spherical C18, 20-40μm, 100Å, 330g	4
Domestic Spherical C18, 40-70μm, 100Å		
Cat#	**Description**	**Package (pcs/pk)**
12013017	Flash Column, Domestic Spherical C18, 40-70μm, 100Å, 4g	20
12013018	Flash Column, Domestic Spherical C18, 40-70μm, 100Å, 12g	18
12013019	Flash Column, Domestic Spherical C18, 40-70μm, 100Å, 25g	12
12013020	Flash Column, Domestic Spherical C18, 40-70μm, 100Å, 40g	10
12013021	Flash Column, Domestic Spherical C18, 40-70μm, 100Å, 80g	10
12013022	Flash Column, Domestic Spherical C18, 40-70μm, 100Å, 120g	10
12013023	Flash Column, Domestic Spherical C18, 40-70μm, 100Å, 220g	6
12013024	Flash Column, Domestic Spherical C18, 40-70μm, 100Å, 330g	4

3.3 Spherical Phenyl Column

Description

Similar polarity to C18, Bonding the phenyl functional groups, has good separation effect on the plane compounds and conjugated compounds.

Order Information

Domestic Spherical Phenyl, 20-40μm, 100Å		
Cat#	**Description**	**Package (pcs/pk)**
12013025	Flash Column, Domestic Spherical Phenyl, 20-40μm,100Å, 4g	20
12013026	Flash Column, Domestic Spherical Phenyl, 20-40μm, 100Å,12g	18
12013027	Flash Column, Domestic Spherical Phenyl, 20-40μm, 100Å, 25g	12
12013028	Flash Column, Domestic Spherical Phenyl, 20-40μm, 100Å, 40g	10
12013029	Flash Column, Domestic Spherical Phenyl, 20-40μm, 100Å, 80g	10
12013030	Flash Column, Domestic Spherical Phenyl, 20-40μm, 100Å,120g	10
12013031	Flash Column, Domestic Spherical Phenyl, 20-40μm, 100Å, 220g	6
12013032	Flash Column, Domestic Spherical Phenyl, 20-40μm, 100Å, 330g	4

3.4 Spherical CN Column

Description

Bonding the cyano functional groups, with both polar and non-polar interactions, can be used in the separation of some polar material and non-polar substances

Order Information

Domestic Spherical CN, 20-40μm, 100Å		
Cat#	**Description**	**Package (pcs/pk)**
12013033	Flash Column, Domestic Spherical CN, 20-40μm, 100Å, 4g	20
12013034	Flash Column, Domestic Spherical CN, 20-40μm, 100Å,12g	18
12013035	Flash Column, Domestic Spherical CN, 20-40μm, 100Å, 25g	12
12013036	Flash Column, Domestic Spherical CN, 20-40μm, 100Å, 40g	10
12013037	Flash Column, Domestic Spherical CN, 20-40μm, 100Å, 80g	10
12013038	Flash Column, Domestic Spherical CN, 20-40μm, 100Å,120g	10
12013039	Flash Column, Domestic Spherical CN, 20-40μm, 100Å, 220g	6
12013040	Flash Column, Domestic Spherical CN, 20-40μm, 100Å, 330g	4

3.5 Spherical NH2 Column

Description

Bonding amino functional groups, can retain compounds which can form hydrogen bond, used for separation of compounds that can form hydrogen bonds, such as polysaccharides, polyols

Order Information

Domestic Spherical NH2, 20-40μm, 100Å		
Cat#	**Description**	**Package (pcs/pk)**
12013041	Flash Column, Domestic Spherical NH2, 20-40μm, 100Å, 4g	20
12013042	Flash Column, Domestic Spherical NH2, 20-40μm, 100Å, 12g	18
12013043	Flash Column, Domestic Spherical NH2, 20-40μm, 100Å, 25g	12
12013044	Flash Column, Domestic Spherical NH2, 20-40μm, 100Å, 40g	10
12013045	Flash Column, Domestic Spherical NH2, 20-40μm, 100Å, 80g	10
12013046	Flash Column, Domestic Spherical NH2, 20-40μm, 100Å,120g	10
12013047	Flash Column, Domestic Spherical NH2, 20-40μm, 100Å, 220g	6
12013048	Flash Column, Domestic Spherical NH2, 20-40μm, 100Å, 330g	4

3.6 Spherical SAX Column

Description

Bonding quaternary ammonium functional groups, often used to analyze the compounds with negative charge.

Order Information

Domestic Spherical SAX, 20-40μm, 100Å		
Cat#	**Description**	**Package (pcs/pk)**
12013049	Flash Column, Domestic Spherical SAX, 20-40μm,100Å, 4g	20
12013050	Flash Column, Domestic Spherical SAX, 20-40μm, 100Å,12g	18
12013051	Flash Column, Domestic Spherical SAX, 20-40μm, 100Å, 25g	12
12013052	Flash Column, Domestic Spherical SAX, 20-40μm, 100Å, 40g	10
12013053	Flash Column, Domestic Spherical SAX, 20-40μm, 100Å, 80g	10
12013054	Flash Column, Domestic Spherical SAX, 20-40μm, 100Å,120g	10
12013055	Flash Column, Domestic Spherical SAX, 20-40μm, 100Å, 220g	6
12013056	Flash Column, Domestic Spherical SAX, 20-40μm, 100Å, 330g	4

3.7 Spherical SCX Column

Description

Bonding benzene sulfonic acid functional groups, often used to analyze alkaline compounds with positive charge.

Order Information

Domestic Spherical SCX, 20-40μm, 100Å		
Cat#	**Description**	**Package (pcs/pk)**
12013057	Flash Column, Domestic Spherical SCX, 20-40μm, 100Å, 4g	20
12013058	Flash Column, Domestic Spherical SCX, 20-40μm, 100Å,12g	18
12013059	Flash Column, Domestic Spherical SCX, 20-40μm, 100Å, 25g	12
12013060	Flash Column, Domestic Spherical SCX, 20-40μm, 100Å, 40g	10
12013061	Flash Column, Domestic Spherical SCX, 20-40μm, 100Å, 80g	10
12013062	Flash Column, Domestic Spherical SCX, 20-40μm, 100Å,120g	10
12013063	Flash Column, Domestic Spherical SCX, 20-40μm, 100Å, 220g	6
12013064	Flash Column, Domestic Spherical SCX, 20-40μm, 100Å, 330g	4

3.8 Spherical C8 Column

Description

C8 has very similar performance as C18. With the popular university, reverse phase spherical C8 can satisfy the requirement of most of the separations.

Order Information

Domestic Spherical C8, 20-40μm, 100Å		
Cat#	**Description**	**Package (pcs/pk)**
12013065	Flash Column, Domestic Spherical C8, 20-40μm, 100Å, 4g	20
12013066	Flash Column, Domestic Spherical C8, 20-40μm, 100Å,12g	18
12013067	Flash Column, Domestic Spherical C8, 20-40μm,100Å, 25g	12
12013068	Flash Column, Domestic Spherical C8, 20-40μm, 100Å, 40g	10
12013069	Flash Column, Domestic Spherical C8, 20-40μm, 100Å, 80g	10
12013070	Flash Column, Domestic Spherical C8, 20-40μm, 100Å, 120g	10
12013071	Flash Column, Domestic Spherical C8, 20-40μm, 100Å, 220g	6
12013072	Flash Column, Domestic Spherical C8, 20-40μm, 100Å, 330g	4

3.9 Spherical Diol Column

Description

Bonding 2-hydroxy propyl functional groups, used for the separation of peptide, protein, polar molecules, can also be applied to the separation of organic acid and its oligomer.

Order Information

Domestic Spherical Diol, 20-40μm, 60Å		
Cat#	**Description**	**Package (pcs/pk)**
12013073	Flash Column, Domestic Spherical Diol, 20-40μm, 60Å, 4g	20
12013074	Flash Column, Domestic Spherical Diol, 20-40μm, 60Å, 12g	18
12013075	Flash Column, Domestic Spherical Diol, 20-40μm, 60Å, 25g	12
12013076	Flash Column, Domestic Spherical Diol, 20-40μm, 60Å, 40g	10
12013077	Flash Column, Domestic Spherical Diol, 20-40μm, 60Å, 80g	10
12013078	Flash Column, Domestic Spherical Diol, 20-40μm, 60Å, 120g	10
12013079	Flash Column, Domestic Spherical Diol, 20-40μm, 60Å, 220g	6
12013080	Flash Column, Domestic Spherical Diol, 20-40μm, 60Å, 330g	4

4. Empty column

Description

Standard Luer-Lock end fittings allow for quick, easy connection to flash system
Innovative column design convenient for manual assembly and column stacking
Available in wide range of cartridge sizes for any situation
Reinforced cartridge body with maximum operating pressure up to 200psi

Order Information

Empty column		
Cat#	**Description**	**Package (pcs/pk)**
12031001	Empty solid load cartridge with screw cap, frits, tips and O-ring,4g	24
12031002	Empty solid load cartridge with screw cap, frits, tips and O-ring,12g	24
12031003	Empty solid load cartridge with screw cap, frits, tips and O-ring, 25g	20
12031004	Empty solid load cartridge with screw cap, frits, disbursing unit, tips and O-ring,40g	12
12031005	Empty solid load cartridge with screw cap, frits, disbursing unit, tips and O-ring,60g	12
12031006	Empty solid load cartridge with screw cap, frits, disbursing unit, tips and O-ring,80g	10
12031007	Empty solid load cartridge with screw cap, frits, disbursing unit, tips and O-ring,100g	6
12031008	Empty solid load cartridge with screw cap, frits, disbursing unit, tips and O-ring,120g	8
12031009	Empty solid load cartridge with screw cap, frits, disbursing unit, tips and O-ring,220g	4

12031010	Empty solid load cartridge with screw cap, frits, disbursing unit, tips and O-ring,330g	2
12031012	800g Empty Flash Column Set, with stainless steel end caps, clamps, plastic column tube, filter frits, O-rings, column adapter (for 1/4", 1/8", 3/16" LC lines, with male and female connectors), 1set/pk	1
12031013	1600g Empty Flash Column Set, with stainless steel end caps, clamps, plastic column tube, filter frits, O-rings, column adapter (for 1/4", 1/8", 3/16" LC lines, with male and female connectors), 1set/pk	1
12031014	3000g Empty Flash Column Set, with stainless steel end caps, clamps, plastic column tube, filter frits, O-rings, column adapter (for 1/4", 1/8", 3/16" LC lines, with male and female connectors), 1set/pk	1
12031020	5000g Empty Flash Column Set, with stainless steel end caps, clamps, plastic column tube, filter frits, O-rings, column adapter (for 1/4", 1/8", 3/16" LC lines, with male and female connectors), 1set/pk	1
12031019	7000g Empty Flash Column Set, with stainless steel end caps, clamps, plastic column tube, filter frits, O-rings, column adapter (for 1/4", 1/8", 3/16" LC lines, with male and female connectors), 1set/pk	1

5. Flash Column Packing Adsorbents

Flash Column Packing Adsorbents

Cat#	Description	Package (kg/pk)
12021001	Flash Column Packing Adsorbents, Neutral alumina, 50–75μm, 55Å,1kg/pk	1
12021002	Flash Column Packing Adsorbents, Superior Silica gel, 25-40μm,60Å,1kg/pk	1
12021003	Flash Column Packing Adsorbents, Spherical C18, 20-45μm,100Å,500g/pk	0.5
12021004	Flash Column Packing Adsorbents, Spherical Diol, 20-45μm, 100Å,500g/pk	0.5
12021005	Flash Column Packing Adsorbents, Superior Silica gel, 40-63μm,60Å, 25kg/pk	25
12021006	Flash Column Packing Adsorbents, Standard Silica gel, 40-63μm, 60Å,1kg/pk	1
12021007	Flash Column Packing Adsorbents, Imported Neutral Alumina, 50-75μm, 25kg/pk	25
12021008	Flash Column Packing Adsorbents, Imported Neutral Alumina, 50-75μm, 1kg/pk	1
12021010	Flash Column Packing Adsorbents, Imported Spherical CN, 20-45μm, 100Å,1kg/pk	1
12021011	Flash Column Packing Adsorbents, Imported Spherical CN, 20-45μm, 100Å, 500g/pk	0.5
12021013	Flash Column Packing Adsorbents, Imported Spherical C8, 20-45μm, 100Å,1kg/pk	1
12021014	Flash Column Packing Adsorbents, Imported Spherical C8, 20-45μm, 100Å,500g/pk	0.5
12021015	Flash Column Packing Adsorbents, Imported Spherical C4, 20-45μm, 100Å, 1kg/pk	1
12021016	Flash Column Packing Adsorbents, Imported Spherical C4, 20-45μm, 100Å, 500g/pk	0.5
12021018	Flash Column Packing Adsorbents, Imported Spherical NH2, 40-63μm, 60Å, 1kg/pk	1
12021019	Flash Column Packing Adsorbents, Imported Spherical NH2, 40-63μm, 60Å, 500g/pk	0.5
12021021	Flash Column Packing Adsorbents, Imported Irregular C18, 40-63μm, 60Å, 1kg/pk	1

12021022	Flash Column Packing Adsorbents, Imported Irregular C18, 40-63μm, 60Å, 500g/pk	0.5
12021024	Flash Column Packing Adsorbents, Imported Spherical C18, 20-45μm, 100Å, 1kg/pk	1
12021025	Flash Column Packing Adsorbents, Imported Spherical C18, 20-45μm, 100Å, 500g/pk	0.5
12021027	Flash Column Packing Adsorbents, Imported Spherical C18, 15μm, 100Å, 1kg/pk	1
12021028	Flash Column Packing Adsorbents, Imported Spherical C18, 15μm, 100Å, 500g/pk	0.5
12021030	Flash Column Packing Adsorbents, Imported Spherical C18, 30-50μm, 120Å,1kg/pk	1
12021031	Flash Column Packing Adsorbents, Imported Spherical C18, 30-50μm, 120Å, 500g/pk	0.5
12021033	Flash Column Packing Adsorbents, Imported Spherical C18, 40-60μm, 120Å,1kg/pk	1
12021034	Flash Column Packing Adsorbents, Imported Spherical C18, 40-60μm, 120Å, 500g/pk	0.5
12021035	Flash Column Packing Adsorbents, Superior Silica gel, 25-40μm, 60Å,25kg/pk	25
12021036	Flash Column Packing Adsorbents, Superior Silica gel, 25-40μm, 60Å,1kg/pk	1
12021037	Flash Column Packing Adsorbents, Superior Silica gel, 40-63μm,60Å,1kg/pk	1
12021038	Flash Column Packing Adsorbents, Standard Silica gel, 40-63μm, 60Å, 25kg/pk	25