

Bonded Series – 15 kinds of bonded silica

Bonded series flash columns are manufactured with the same cartridges as the HP series but are packed with ultra-pure, high-quality, high-efficiency bonded silica. This series offers a wide variety of sorbents to better satisfy the requirements for different users.



- ※ Available in a wide variety of specifications
- ※ Improved pressure rated up to 400 psi
- ※ Reusability: 20 times (average)
- ※ Economical substitute for preparative HPLC
- ※ Meet a variety of needs for specific purifications

Irregular Family	● Irregular C18, 40–63 μm, 60 Å ● Irregular C18, 40–63 μm, 90 Å ● Irregular NH2, 40–63 μm, 60 Å ● Irregular SAX, 40–63 μm, 60 Å ● Irregular SCX, 40–63 μm, 60 Å
Hemispherical Family	● Hemispherical C18, 50 μm, 90 Å
Spherical Family	● Spherical C18, 40–60 μm, 120 Å ● Spherical C18, 30–50 μm, 120 Å ● Spherical C18, 40–75 μm, 100 Å ● Spherical C18, 20–45 μm, 100 Å ● Spherical C18, 15 μm, 100 Å ● Spherical CN, 20–45 μm, 100 Å ● Spherical C4, 20–45 μm, 100 Å ● Spherical C8, 20–45 μm, 100 Å ● Spherical Diol, 20–45 μm, 100 Å
Notes: The detailed specification please sees the ordering information.	

Ultra-pure irregular C18, 40–63 μm , 60 Å

(carbon content 17%, end-capping, surface area 500 m²/g, loading capacity 0.1–2%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5201-004-IR	5.9 g	5.9 mg–118 mg	2	10–20	113.8	12.4	400/27.5
SW-5201-012-IR	23 g	23mg–0.46g	1	15–30	134.8	21.4	400/27.5
SW-5201-025-IR	38 g	38 mg–0.76 g	1	15–30	184.0	21.4	400/27.5
SW-5201-040-IR	55 g	55 mg–1.1 g	1	20–40	184.4	26.7	400/27.5
SW-5201-080-IR	122 g	122 mg–2.5 g	1	30–60	257.4	31.2	350/24.0
SW-5201-120-IR	180 g	180 mg–3.6 g	1	40–80	261.5	38.6	300/20.7
SW-5201-220-IR	340 g	340 mg–6.8 g	1	50–100	223.5	61.4	300/20.7
SW-5201-330-IR	475 g	475 mg–9.5 g	1	50–100	280.2	61.4	250/17.2

- ※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

Ultra-pure irregular C18, 40-63 μm , 90 Å

(carbon content 15%, end-capping, surface area 400 m²/g, loading capacity 0.1–2%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5211-004-IR	5.2 g	5.2 mg–104 mg	2	10–20	113.8	12.4	400/27.5
SW-5211-012-IR	20 g	20 mg–0.40 g	1	15–30	134.8	21.4	400/27.5
SW-5211-025-IR	33 g	33 mg–0.66 g	1	15–30	184.0	21.4	400/27.5
SW-5211-040-IR	48 g	48 mg–0.96 g	1	20–40	184.4	26.7	400/27.5
SW-5211-080-IR	105 g	105 mg–2.1 g	1	30–60	257.4	31.2	350/24.0
SW-5211-120-IR	155 g	155 mg–3.1 g	1	40–80	261.5	38.6	300/20.7
SW-5211-220-IR	295 g	295 mg–5.9 g	1	50–100	223.5	61.4	300/20.7
SW-5211-330-IR	420 g	420 mg–8.4 g	1	50–100	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

Ultra-pure hemispherical C18, 50 μm , 90 Å

(carbon content 17%, end-capping, surface area 400 m²/g, loading capacity 0.1–2%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5211-004-SS	5 g	5 mg–100 mg	2	10–20	113.8	12.4	400/27.5
SW-5211-012-SS	19 g	19 mg–0.38 g	1	15–30	134.8	21.4	400/27.5
SW-5211-025-SS	32 g	32 mg–0.64 g	1	15–30	184.0	21.4	400/27.5
SW-5211-040-SS	46 g	46 mg–0.92 g	1	20–40	184.4	26.7	400/27.5
SW-5211-080-SS	100 g	100 mg–2.0 g	1	30–60	257.4	31.2	350/24.0
SW-5211-120-SS	150 g	150 mg–3.0 g	1	40–80	261.5	38.6	300/20.7
SW-5211-220-SS	280 g	280 mg–5.6 g	1	50–100	223.5	61.4	300/20.7
SW-5211-330-SS	395 g	395 mg–7.9 g	1	50–100	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

Ultra-pure spherical C18, 40-60 μm , 120 Å

(carbon content 17%, end-capping, surface area 300 m²/g, loading capacity 0.1–1.5%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5231-004-SP	4.5 g	4.5 mg–68 mg	2	10–20	113.8	12.4	400/27.5
SW-5231-012-SP	18 g	18 mg–0.27 g	1	15–30	134.8	21.4	400/27.5
SW-5231-025-SP	28 g	28 mg–0.42 g	1	15–30	184.0	21.4	400/27.5
SW-5231-040-SP	40 g	40 mg–0.60 g	1	20–40	184.4	26.7	400/27.5
SW-5231-080-SP	90 g	90 mg–1.35 g	1	30–60	257.4	31.2	350/24.0
SW-5231-120-SP	130 g	130 mg–1.95 g	1	40–80	261.5	38.6	300/20.7
SW-5231-220-SP	245 g	245 mg–3.68 g	1	50–100	223.5	61.4	300/20.7
SW-5231-330-SP	350 g	350 mg–5.25 g	1	50–100	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

High-efficiency spherical C18, 30-50 μm , 120 Å

(carbon content 17%, end-capping, surface area 300 m²/g, loading capacity 0.1–2%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5232-004-SP	4.3 g	4.3 mg–86 mg	2	5–15	113.8	12.4	400/27.5
SW-5232-012-SP	16 g	16 mg–0.32 g	1	10–25	134.8	21.4	400/27.5
SW-5232-025-SP	26 g	26 mg–0.52 g	1	10–25	184.0	21.4	400/27.5
SW-5232-040-SP	39 g	39 mg–0.78 g	1	15–30	184.4	26.7	400/27.5
SW-5232-080-SP	85 g	85 mg–1.7 g	1	20–50	257.4	31.2	350/24.0
SW-5232-120-SP	125 g	125 mg–2.5 g	1	30–60	261.5	38.6	300/20.7
SW-5232-220-SP	240 g	240 mg–4.8 g	1	40–80	223.5	61.4	300/20.7
SW-5232-330-SP	335 g	335 mg–6.7 g	1	40–80	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

Ultra-pure spherical C18, 40-75 μm , 100 Å

(carbon content 17%, end-capping, surface area 300 m²/g, loading capacity 0.1–1.5%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5221-004-SP	4.6 g	4.6 mg–69 mg	2	10–20	113.8	12.4	400/27.5
SW-5221-012-SP	18 g	18 mg–0.27 g	1	15–30	134.8	21.4	400/27.5
SW-5221-025-SP	30 g	30 mg–0.45 g	1	15–30	184.0	21.4	400/27.5
SW-5221-040-SP	43 g	43 mg–0.65 g	1	20–40	184.4	26.7	400/27.5
SW-5221-080-SP	95 g	95 mg–1.43 g	1	30–60	257.4	31.2	350/24.0
SW-5221-120-SP	142 g	142 mg–2.13 g	1	40–80	261.5	38.6	300/20.7
SW-5221-220-SP	265 g	265 mg–3.98 g	1	50–100	223.5	61.4	300/20.7
SW-5221-330-SP	385 g	385 mg–5.78 g	1	50–100	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

High-efficiency spherical C18, 20-45 μm , 100 Å

(carbon content 17%, end-capping, surface area 320 m²/g, loading capacity 0.1–2%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5222-004-SP	5.4 g	5.4 mg–108 mg	2	5–15	113.8	12.4	400/27.5
SW-5222-012-SP	20 g	20 mg–0.40 g	1	10–25	134.8	21.4	400/27.5
SW-5222-025-SP	33 g	33 mg–0.66 g	1	10–25	184.0	21.4	400/27.5
SW-5222-040-SP	48 g	48 mg–0.96 g	1	15–30	184.4	26.7	400/27.5
SW-5222-080-SP	105 g	105 mg–2.1 g	1	20–50	257.4	31.2	350/24.0
SW-5222-120-SP	155 g	155 mg–3.1 g	1	30–60	261.5	38.6	300/20.7
SW-5222-220-SP	300 g	300 mg–6.0 g	1	40–80	223.5	61.4	300/20.7
SW-5222-330-SP	420 g	420 mg–8.4 g	1	40–80	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

High-efficiency spherical C18, 15 µm, 100 Å

(carbon content 17%, end-capping, surface area 320 m²/g, loading capacity 0.1–2%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5223-004-SP	5.4 g	5.4 mg–108 mg	2	5–15	113.8	12.4	400/27.5
SW-5223-012-SP	20 g	20 mg–0.40 g	1	10–25	134.8	21.4	400/27.5
SW-5223-025-SP	33 g	33 mg–0.66 g	1	10–25	184.0	21.4	400/27.5
SW-5223-040-SP	48 g	48 mg–0.96 g	1	15–30	184.4	26.7	400/27.5
SW-5223-080-SP	105 g	105 mg–2.1 g	1	20–50	257.4	31.2	350/24.0
SW-5223-120-SP	155 g	155 mg–3.1 g	1	30–60	261.5	38.6	300/20.7
SW-5223-220-SP	290 g	290 mg–5.8 g	1	40–80	223.5	61.4	300/20.7
SW-5223-330-SP	410 g	410 mg–8.2 g	1	40–80	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

High-efficiency spherical CN, 20–45 µm, 100 Å

(carbon content 5.5%, end-capping, surface area 320 m²/g, loading capacity 0.1–2%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5322-004-SP	5.4 g	5.4 mg–108 mg	2	5–15	113.8	12.4	400/27.5
SW-5322-012-SP	20 g	20 mg–0.40 g	1	10–25	134.8	21.4	400/27.5
SW-5322-025-SP	33 g	33 mg–0.66 g	1	10–25	184.0	21.4	400/27.5
SW-5322-040-SP	48 g	48 mg–0.96 g	1	15–30	184.4	26.7	400/27.5
SW-5322-080-SP	105 g	105 mg–2.1 g	1	20–50	257.4	31.2	350/24.0
SW-5322-120-SP	155 g	155 mg–3.1 g	1	30–60	261.5	38.6	300/20.7
SW-5322-220-SP	300 g	300 mg–6.0 g	1	40–80	223.5	61.4	300/20.7
SW-5322-330-SP	420 g	420 mg–8.4 g	1	40–80	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

High-efficiency spherical C4, 20–45 µm, 100 Å

(carbon content 5.8%, end-capping, surface area 320 m²/g, loading capacity 0.1–2%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5422-004-SP	5.4 g	5.4 mg–108 mg	2	5–15	113.8	12.4	400/27.5
SW-5422-012-SP	20 g	20 mg–0.40 g	1	10–25	134.8	21.4	400/27.5
SW-5422-025-SP	33 g	33 mg–0.66 g	1	10–25	184.0	21.4	400/27.5
SW-5422-040-SP	48 g	48 mg–0.96 g	1	15–30	184.4	26.7	400/27.5
SW-5422-080-SP	105 g	105 mg–2.1 g	1	20–50	257.4	31.2	350/24.0
SW-5422-120-SP	155 g	155 mg–3.1 g	1	30–60	261.5	38.6	300/20.7
SW-5422-220-SP	300 g	300 mg–6.0 g	1	40–80	223.5	61.4	300/20.7
SW-5422-330-SP	420 g	420 mg–8.4 g	1	40–80	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

High-efficiency spherical C8, 20-45 µm, 100 Å

(carbon content 7%, end-capping, surface area 320 m²/g, loading capacity 0.1–2%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5822-004-SP	5.4 g	5.4 mg–108 mg	2	5–15	113.8	12.4	400/27.5
SW-5822-012-SP	20 g	20 mg–0.40 g	1	10–25	134.8	21.4	400/27.5
SW-5822-025-SP	33 g	33 mg–0.66 g	1	10–25	184.0	21.4	400/27.5
SW-5822-040-SP	48 g	48 mg–0.96 g	1	15–30	184.4	26.7	400/27.5
SW-5822-080-SP	105 g	105 mg–2.1 g	1	20–50	257.4	31.2	350/24.0
SW-5822-120-SP	155 g	155 mg–3.1 g	1	30–60	261.5	38.6	300/20.7
SW-5822-220-SP	300 g	300 mg–6.0 g	1	40–80	223.5	61.4	300/20.7
SW-5822-330-SP	420 g	420 mg–8.4 g	1	40–80	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

High-efficiency spherical Diol, 20-45 µm, 100 Å

(carbon content 5%, end-capping, surface area 320 m²/g, loading capacity 0.1–2%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5922-004-SP	5.4 g	5.4 mg–108 mg	2	5–15	113.8	12.4	400/27.5
SW-5922-012-SP	20 g	20 mg–0.40 g	1	10–25	134.8	21.4	400/27.5
SW-5922-025-SP	33 g	33 mg–0.66 g	1	10–25	184.0	21.4	400/27.5
SW-5922-040-SP	48 g	48 mg–0.96 g	1	15–30	184.4	26.7	400/27.5
SW-5922-080-SP	105 g	105 mg–2.1 g	1	20–50	257.4	31.2	350/24.0
SW-5922-120-SP	155 g	155 mg–3.1 g	1	30–60	261.5	38.6	300/20.7
SW-5922-220-SP	300 g	300 mg–6.0 g	1	40–80	223.5	61.4	300/20.7
SW-5922-330-SP	420 g	420 mg–8.4 g	1	40–80	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

Ultra-pure irregular NH₂, 40-63 µm, 60 Å

(amino content 1.3 mmol/g, end-capping, surface area 500 m²/g, loading capacity 0.1–2%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5501-004-IR	5.9 g	5.9 mg–118 mg	2	10–20	113.8	12.4	400/27.5
SW-5501-012-IR	23 g	23 mg–0.46 g	1	15–30	134.8	21.4	400/27.5
SW-5501-025-IR	38 g	38 mg–0.76 g	1	15–30	184.0	21.4	400/27.5
SW-5501-040-IR	55 g	55 mg–1.1 g	1	20–40	184.4	26.7	400/27.5
SW-5501-080-IR	122 g	122 mg–2.5 g	1	30–60	257.4	31.2	350/24.0
SW-5501-120-IR	180 g	180 mg–3.6 g	1	40–80	261.5	38.6	300/20.7
SW-5501-220-IR	340 g	340 mg–6.8 g	1	50–100	223.5	61.4	300/20.7
SW-5501-330-IR	475 g	475 mg–9.5 g	1	50–100	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

Ultra-pure irregular SAX , 40-63 μm , 60 Å

(carbon content 8%, surface area 500 m²/g, ion-exchange capacity ≤ 0.26 meq/g)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5001-004-IR	5.9 g	≤ 1.53 meq	2	10–20	113.8	12.4	400/27.5
SW-5001-012-IR	23 g	≤ 5.98 meq	1	15–30	134.8	21.4	400/27.5
SW-5001-025-IR	38 g	≤ 9.88 meq	1	15–30	184.0	21.4	400/27.5
SW-5001-040-IR	55 g	≤ 14.30 meq	1	20–40	184.4	26.7	400/27.5
SW-5001-080-IR	122 g	≤ 31.72 meq	1	30–60	257.4	31.2	350/24.0
SW-5001-120-IR	180 g	≤ 46.80 meq	1	40–80	261.5	38.6	300/20.7
SW-5001-220-IR	340 g	≤ 88.40 meq	1	50–100	223.5	61.4	300/20.7
SW-5001-330-IR	475 g	≤ 123.50 meq	1	50–100	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

Ultra-pure irregular SCX , 40-63 μm , 60 Å

(carbon content 10%, surface area 500 m²/g, ion-exchange capacity ≤ 0.34 meq/g)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SW-5701-004-IR	5.9 g	≤ 2.01 meq	2	10–20	113.8	12.4	400/27.5
SW-5701-012-IR	23 g	≤ 7.82 meq	1	15–30	134.8	21.4	400/27.5
SW-5701-025-IR	38 g	≤ 12.92 meq	1	15–30	184.0	21.4	400/27.5
SW-5701-040-IR	55 g	≤ 18.70 meq	1	20–40	184.4	26.7	400/27.5
SW-5701-080-IR	122 g	≤ 41.48 meq	1	30–60	257.4	31.2	350/24.0
SW-5701-120-IR	180 g	≤ 61.20 meq	1	40–80	261.5	38.6	300/20.7
SW-5701-220-IR	340 g	≤ 115.60 meq	1	50–100	223.5	61.4	300/20.7
SW-5701-330-IR	475 g	≤ 161.50 meq	1	50–100	280.2	61.4	250/17.2

※ Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.