

MODUS Flash Columns

S SERIES



- *Ultra-pure silica featuring tight particle size distribution*
- *Unique dry packing technique guarantees high resolution & reproducibility*
- *Available in a variety of sizes*
- *Max operating pressure of up to 300psi*
- *Luer® Lok end fitting for universal compatibility*



S-Series™ (Standard)

MODUS S-Series flash columns are machine packed with ultra-pure silica using an innovative and semi-automated dry packing technique which guarantees high resolution and reproducibility for everyday purifications. Our ultra-pure silica offers tight particle size distribution, low levels of fines and low trace metal content, neutral pH, controlled water content and high surface area.



Chromatography Direct MODUS columns are an excellent alternative to other flash columns available offering fast, easy purification and scale-up.

Resolution and Reproducibility

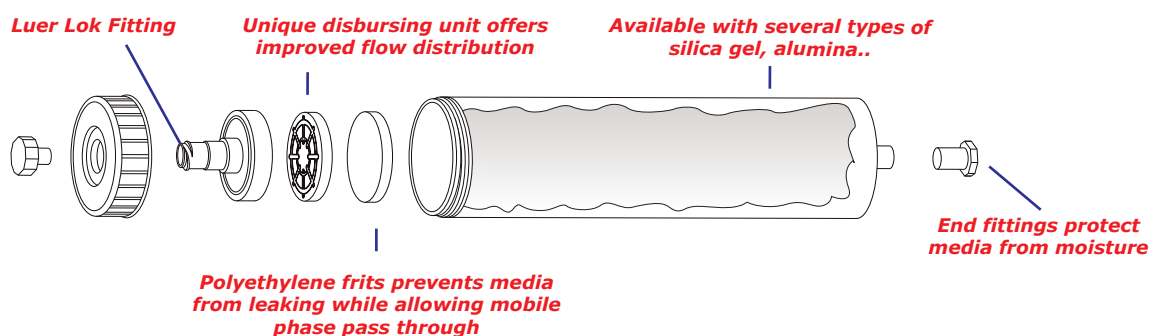
MODUS S-Series (Standard Series) cartridges are manufactured using an innovative dry packing technique resulting in higher resolution and reproducibility. Featuring the industry standard Luer®-Lok end fitting, MODUS S-Series allow for quick, easy connection to most flash chromatography systems including ISCO, Biotage, Yamazen, Teledyne ISCO, Analogix (Varian), Interchim, Grace, Armen and BUCHI. All MODUS columns and media pass through rigorous QC testing which has resulted in an industry leading quality consistency of media for over 10 years.

Wide Range of Sizes

Chromatography Direct MODUS S-Series columns are available from 4g up to 1.6Kg formats and are optimised for purification from 10mg to 160 grams. The enhanced product design with high-efficiency silica gel (irregular 25-40µm, 60Å) provides outstanding performance with lower use-cost.

Safe

All Chromatography Direct MODUS S-Series columns are pressure rated for safe operation. Machine assembled column heads enables our columns to withstand the pressure of modern flash systems.



Ultra-Pure/High-Efficiency Irregular Silica

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

(surface area 500 m²/g, pH 6.5-7.5, loading capacity 0.1-10%)

Column Size	Sample Size	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max Pressure (psi/bar)	Pack Size	Part No.	List £
4g	4mg-0.4g	15-40	105.8	12.4	300/20.7	20	MOD-FC-CDS-SI-1-4-20	44.00
12g	12mg-1.2g	30-60	124.5	21.2	300/20.7	18	MOD-FC-CDS-SI-1-12-18	56.00
25g	25mg-2.5g	30-60	172.7	21.3	300/20.7	12	MOD-FC-CDS-SI-1-25-12	48.00
40g	40mg-4.0g	40-70	176	26.7	300/20.7	12	MOD-FC-CDS-SI-1-40-12	64.00
80g	80mg-8.0g	50-100	246.8	30.9	200/13.8	10	MOD-FC-CDS-SI-1-80-10	117.00
120g	120mg-12g	60-150	264.6	36.2	200/13.8	10	MOD-FC-CDS-SI-1-120-10	148.00
220g	220mg-22g	80-220	203.7	60.1	150/10.3	6	MOD-FC-CDS-SI-1-220-6	137.00
330g	330mg-33g	80-220	275	60.4	150/10.3	5	MOD-FC-CDS-SI-1-330-5	144.00
800g	800mg-80g	100-300	382.9	78.2	100/6.9	3	MOD-FC-CDS-SI-1-800-3	376.00
1600g	1.6g-160g	200-500	432.4	103.8	100/6.9	2	MOD-FC-CDS-SI-1-1600-2	387.00
3000g	3g-300g	200-500	509.5	127.5	100/6.9	1	MOD-FC-CDS-SI-1-3000-1	478.00

High-efficiency irregular silica, 25-40 μm , 60 Å

(surface area 500 m²/g, pH 6.5-7.5, loading capacity 0.1-15%)

Column Size	Sample Size	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max Pressure (psi/bar)	Pack Size	Part No.	List £
4g	4mg-0.6g	15-30	105.8	12.4	300/20.7	20	MOD-FC-CDS-SI-2-4-20	78.00
12g	12mg-1.8g	25-50	124.5	21.2	300/20.7	18	MOD-FC-CDS-SI-2-12-18	110.00
25g	25mg-3.8g	25-50	172.7	21.3	300/20.7	12	MOD-FC-CDS-SI-2-25-12	106.00
40g	40mg-6.0g	30-60	176	26.7	300/20.7	12	MOD-FC-CDS-SI-2-40-12	148.00
80g	80mg-12g	40-80	246.8	30.9	200/13.8	10	MOD-FC-CDS-SI-2-80-10	253.00
120g	120mg-18g	60-100	264.6	36.2	200/13.8	10	MOD-FC-CDS-SI-2-120-10	335.00
220g	220mg-33g	80-160	203.7	60.1	150/10.3	6	MOD-FC-CDS-SI-2-220-6	335.00
330g	330mg-50g	80-160	275	60.4	150/10.3	5	MOD-FC-CDS-SI-2-330-5	382.00
800g	0.8g-120g	80-200	382.9	78.2	100/6.9	3	MOD-FC-CDS-SI-2-800-3	789.00
1600g	1.6g-240g	100-250	432.4	103.8	100/6.9	2	MOD-FC-CDS-SI-2-1600-2	892.00
3000g	3.0g-450g	100-250	509.5	127.5	100/6.9	1	MOD-FC-CDS-SI-2-3000-1	946.00

100%

compatible with
all major flash chromatography systems



Ultra-Pure/High-Efficiency Spherical Silica

Ultra-pure spherical silica, 40-75 μm , 70 \AA (NEW Product)

(surface area 500 m²/g, pH 6.0-8.0, loading capacity 0.1-15%)

Column Size	Sample Size	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max Pressure (psi/bar)	Pack Size	Part No.	List £
4g	4mg-0.4g	15-40	105.8	12.4	300/20.7	20	MOD-FC-CDS-SI-4-4-20	66.00
12g	12mg-1.2g	30-60	124.5	21.2	300/20.7	18	MOD-FC-CDS-SI-4-12-18	106.00
25g	25mg-2.5g	30-60	172.7	21.3	300/20.7	12	MOD-FC-CDS-SI-4-25-12	113.00
40g	40mg-4.0g	40-70	176	26.7	300/20.7	12	MOD-FC-CDS-SI-4-40-12	166.00
80g	80mg-8.0 g	50-100	246.8	30.9	200/13.8	10	MOD-FC-CDS-SI-4-80-10	311.00
120g	120mg-12g	60-150	264.6	36.2	200/13.8	10	MOD-FC-CDS-SI-4-120-10	433.00
220g	220mg-22g	80-220	203.7	60.1	150/10.3	6	MOD-FC-CDS-SI-4-220-6	448.00
330g	330mg-33g	80-220	275	60.4	150/10.3	5	MOD-FC-CDS-SI-4-330-5	534.00
800g	800mg-80g	100-300	382.9	78.2	100/6.9	3	MOD-FC-CDS-SI-4-800-3	1038.00
1600g	1.6g-160g	200-500	432.4	103.8	100/6.9	2	MOD-FC-CDS-SI-4-1600-2	1272.00
3000g	3.0g-300g	200-500	509.5	127.5	100/6.9	1	MOD-FC-CDS-SI-4-3000-1	1282.00

High-efficiency spherical silica, 20-45 μm , 70 \AA

(surface area 500 m²/g, pH 6.0-8.0, loading capacity 0.1-15%)

Column Size	Sample Size	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max Pressure (psi/bar)	Pack Size	Part No.	List £
4g	4mg-0.6g	15-30	105.8	12.4	300/20.7	20	MOD-FC-CDS-SI-5-4-20	114.00
12g	12mg-1.8g	25-50	124.5	21.2	300/20.7	18	MOD-FC-CDS-SI-5-12-18	175.00
25g	25mg-3.8g	25-50	172.7	21.3	300/20.7	12	MOD-FC-CDS-SI-5-25-12	185.00
40g	40mg-6.0g	30-60	176	26.7	300/20.7	12	MOD-FC-CDS-SI-5-40-12	272.00
80g	80mg-12g	40-80	246.8	30.9	200/13.8	10	MOD-FC-CDS-SI-5-80-10	382.00
120g	120mg-18g	45-90	264.6	36.2	200/13.8	10	MOD-FC-CDS-SI-5-120-10	526.00
220g	220mg-33g	60-120	203.7	60.1	150/10.3	6	MOD-FC-CDS-SI-5-220-6	551.00
330g	330mg-50g	60-120	275	60.4	150/10.3	5	MOD-FC-CDS-SI-5-330-5	739.00
800g	0.8g-120g	80-200	382.9	78.2	100/6.9	3	MOD-FC-CDS-SI-5-800-3	1518.00
1600g	1.6g-240g	100-250	432.4	103.8	100/6.9	2	MOD-FC-CDS-SI-5-1600-2	1823.00
3000g	3.0g-450g	100-250	509.5	127.5	100/6.9	1	MOD-FC-CDS-SI-5-3000-1	1833.00

High-Capacity Spherical Silica

High-capacity spherical silica, 50 μm , 54 \AA

(surface area 680 m²/g, pH 7.0+1.0, loading capacity 0.1-20%)

Column Size	Sample Size	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max Pressure (psi/bar)	Pack Size	Part No.	List £
4g	4mg-0.8g	15-40	105.8	12.4	300/20.7	20	MOD-FC-CDS-SI-4-4-20-H	66.00
12g	12mg-2.4g	30-60	124.5	21.2	300/20.7	18	MOD-FC-CDS-SI-4-12-18-H	119.00
25g	25mg-5.0g	30-60	172.7	21.3	300/20.7	12	MOD-FC-CDS-SI-4-25-12-H	134.00
40g	40mg-8.0g	40-70	176	26.7	300/20.7	12	MOD-FC-CDS-SI-4-40-12-H	201.00
80g	80mg-16g	50-100	246.8	30.9	200/13.8	10	MOD-FC-CDS-SI-4-80-10-H	348.00
120g	120mg-24g	60-150	264.6	36.2	200/13.8	10	MOD-FC-CDS-SI-4-120-10-H	494.00
220g	220mg-44g	80-220	203.7	60.1	150/10.3	6	MOD-FC-CDS-SI-4-220-6-H	525.00
330g	330mg-66g	80-220	275	60.4	150/10.3	5	MOD-FC-CDS-SI-4-330-5-H	630.00
800g	0.8g-160g	100-300	382.9	78.2	100/6.9	3	MOD-FC-CDS-SI-4-800-3-H	1193.00
1600g	1.6g-320g	200-500	432.4	103.8	100/6.9	2	MOD-FC-CDS-SI-4-1600-2-H	1478.00
3000g	3.0g-600g	200-500	509.5	127.5	100/6.9	1	MOD-FC-CDS-SI-4-3000-1-H	1491.00

High-capacity spherical silica, 25 μm , 50 \AA

(surface area 700 m²/g, pH 6.5+1.5, loading capacity 0.1-30%)

Column Size	Sample Size	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max Pressure (psi/bar)	Pack Size	Part No.	List £
4g	4mg-1.2g	15-30	105.8	12.4	300/20.7	20	MOD-FC-CDS-SI-5-4-20-H	100.00
12g	12mg-3.6g	25-50	124.5	21.2	300/20.7	18	MOD-FC-CDS-SI-5-12-18-H	149.00
25g	25mg-7.5g	25-50	172.7	21.3	300/20.7	12	MOD-FC-CDS-SI-5-25-12-H	156.00
40g	40mg-12g	30-60	176	26.7	300/20.7	12	MOD-FC-CDS-SI-5-40-12-H	223.00
80g	80mg-24g	40-80	246.8	30.9	200/13.8	10	MOD-FC-CDS-SI-5-80-10-H	416.00
120g	120mg-36g	45-90	264.6	36.2	200/13.8	10	MOD-FC-CDS-SI-5-120-10-H	570.00
220g	220mg-66g	60-120	203.7	60.1	150/10.3	6	MOD-FC-CDS-SI-5-220-6-H	574.00
330g	330mg-99g	60-120	275	60.4	150/10.3	5	MOD-FC-CDS-SI-5-330-5-H	680.00
800g	0.8g-240g	80-200	382.9	78.2	100/6.9	3	MOD-FC-CDS-SI-5-800-3-H	1317.00
1600g	1.6g-480g	100-250	432.4	103.8	100/6.9	2	MOD-FC-CDS-SI-5-1600-2-H	1581.00
3000g	3.0g-900g	100-250	509.5	127.5	100/6.9	1	MOD-FC-CDS-SI-5-3000-1-H	1615.00



High-Capacity Spherical Silica

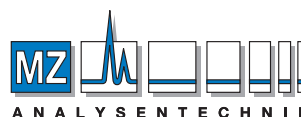
High-capacity spherical silica, 15 µm, 50 Å

(surface area 700 m²/g, pH 6.5+-1.5, loading capacity 0.1-30%)

Column Size	Sample Size	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max Pressure (psi/bar)	Pack Size	Part No.	List £
4g	4mg-1.2g	15-30	105.8	12.4	300/20.7	20	MOD-FC-CDS-SI-6-4-20-H	114.00
12g	12 mg-3.6g	25-50	124.5	21.2	300/20.7	18	MOD-FC-CDS-SI-6-12-18-H	233.00
25g	25mg-7.5g	25-50	172.7	21.3	300/20.7	12	MOD-FC-CDS-SI-6-25-12-H	263.00
40g	40mg-12g	30-60	176	26.7	300/20.7	12	MOD-FC-CDS-SI-6-40-12-H	377.00
80g	80mg-24g	40-80	246.8	30.9	200/13.8	10	MOD-FC-CDS-SI-6-80-10-H	681.00
120g	120mg-36g	45-90	264.6	36.2	200/13.8	10	MOD-FC-CDS-SI-6-120-10-H	959.00
220g	220mg-66g	60-120	203.7	60.1	150/10.3	6	MOD-FC-CDS-SI-6-220-6-H	994.00
330g	330mg-99g	60-120	275	60.4	150/10.3	5	MOD-FC-CDS-SI-6-330-5-H	1289.00

DID YOU KNOW?

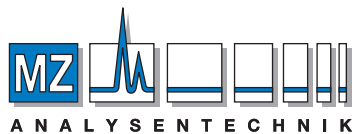
For spherical silica gel, strict controls from raw materials to finished product ensure high lot-to-lot reproducibility and tightly controlled specifications.



AUTHORIZED DISTRIBUTOR

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MODUS B SERIES

Manufactured to the same high standard as S Series and packed with economical, high-quality gel or Alumina. Ideal for routine academic or basic flash chromatography.

MODUS S SERIES

Machine packed with ultra-pure Silica gel using a unique dry packing technique which guarantees high resolution and reproducibility. Ideal for everyday purifications with excellent performance upto 300 psi.

MODUS P SERIES

High pressure are spin-welded for pressures of up to 400 psi. Available in ultra-pure irregular or spherical Silica. Designed for greater efficiency and peak shape upto 400 psi.

MODUS e TWIST

A convenient system for manual assembly, allowing for flexible sample loading method: solid and direct liquid injection. Available in pre-packed ultra-pure silica gel or empty solid load cartridges.

MODUS BONDED

Manufactured with the same cartridge as P Series and packed with ultra-pure, high-quality, highly-efficient bonded Silica. Available in C18, NH₂, SAX, SCX, CN and Diol upto 400 psi.

MODUS TLC

High performance TLC plates manufactured with the same high-quality Silica gel as used in our S Series products. Ideal for crude reaction mixtures to determine optimal conditions for purification by flash chromatography.

www.chromatographydirect.com

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