

MODUS Flash Columns eTWIST



- **Innovative open top design**
- **Pre-assembled for ease-of-use**
- **Available in a variety of sizes**
- **Max operating pressure of up to 200psi due to unique cartridge body**
- **Luer® Lok end fitting for universal compatibility**
- **Choose either pre-packed, empty cartridges for self packing or pre-packed with 15% empty for solid load space**



eTWIST™ Series

MODUS eTWIST flash cartridges offer users convenience for manual assembly, allowing for a flexible sample loading method: solid load and direct liquid injection.

Offered in three formats: eTWIST flash cartridges pre-packed, eTWIST empty solid load cartridges for self packing or eTWIST Plus pre-packed with 15% empty space for solid sample loading.



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

Resolution and Reproducibility

MODUS eTWIST pre-packed cartridges are manufactured using an innovative dry packing technique resulting in higher resolution and reproducibility. Featuring the industry standard Luer®-Lok end fitting, MODUS eTWIST 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 eTWIST columns are available in 4, 12, 25, 40, 60, 80, 100, 220 and 300g formats and are optimised for purification from 10mg to 42 grams. They are designed to offer users the most convenient system for manual assembly allowing for flexible sample loading method: solid load and direct injection.

Extra Thick Reinforced Cartridge Body

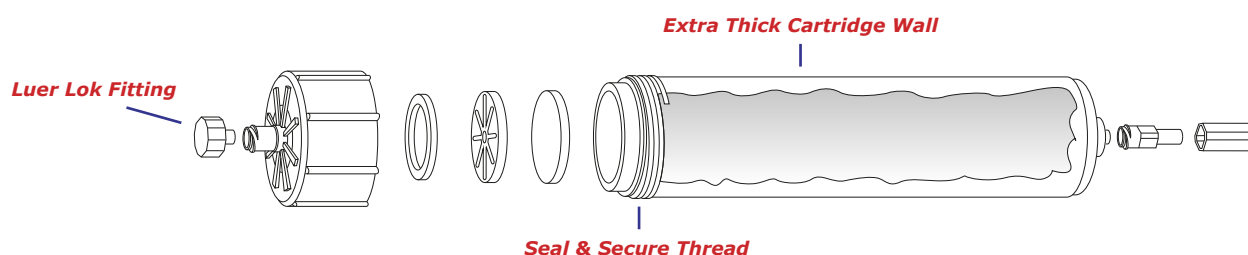
All Chromatography Direct MODUS columns feature an extra thick reinforced cartridge body enabling our columns to withstand the pressure of modern flash systems.

Accessories and Bulk Silica Gel

eTWIST empty solid load cartridges include screw cap, frits, disbursing unit, O-ring and end tips. Bulk Silica gel is also available - please contact us for details.

Open and Close Time and Time Again

The eTWIST cap features a seal & secure thread allowing liquids to be added directly through the open column eliminating the need to inject via a syringe.



eTWIST™ Empty

eTWIST Empty Solid Load Cartridges

Includes screw cap, frits, disbursing unit, O-ring and end tips.

Description	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)	PK/ Size	Part No.	List £
Empty solid load cartridge, 4g	115.1	12.8	200/13.8	1	MOD-FC-ETWIST-4-E	6.00
Empty solid load cartridge, 4g	115.1	12.8	200/13.8	5	MOD-FC-ETWIST-4-E-5	29.00
Empty solid load cartridge, 12g	137.8	21.4	200/13.8	1	MOD-FC-ETWIST-12-E	8.00
Empty solid load cartridge, 12g	137.8	21.4	200/13.8	5	MOD-FC-ETWIST-12-E-5	42.00
Empty solid load cartridge, 25g	188.2	21.6	200/13.8	1	MOD-FC-ETWIST-25-E	9.00
Empty solid load cartridge, 25g	137.8	21.4	200/13.8	5	MOD-FC-ETWIST-25-E-5	44.00
Empty solid load cartridge, 40g	188.7	26.8	200/13.8	1	MOD-FC-ETWIST-40-E	11.00
Empty solid load cartridge, 40g	188.7	26.8	200/13.8	5	MOD-FC-ETWIST-40-E-5	54.00
Empty solid load cartridge, 60g	173.3	37	200/13.8	1	MOD-FC-ETWIST-60-E	22.00
Empty solid load cartridge, 60g	173.3	37	200/13.8	5	MOD-FC-ETWIST-60-E-5	108.00
Empty solid load cartridge, 80g	263.5	31.2	200/13.8	1	MOD-FC-ETWIST-80-E	24.00
Empty solid load cartridge, 80g	263.5	31.2	200/13.8	5	MOD-FC-ETWIST-80-E-5	120.00
Empty solid load cartridge, 100g	146.6	60.4	150/10.3	1	MOD-FC-ETWIST-100-E	52.00
Empty solid load cartridge, 100g	146.6	60.4	150/10.3	5	MOD-FC-ETWIST-100-E-5	259.00
Empty solid load cartridge, 120g	277.7	37.4	200/13.8	1	MOD-FC-ETWIST-120-E	53.00
Empty solid load cartridge, 120g	277.7	37.4	200/13.8	5	MOD-FC-ETWIST-120-E-5	265.00
Empty solid load cartridge, 220g	218.5	60.4	150/10.3	1	MOD-FC-ETWIST-220-E	53.00
Empty solid load cartridge, 220g	218.5	60.4	150/10.3	5	MOD-FC-ETWIST-220-E-5	266.00
Empty solid load cartridge, 330g	271.6	60.6	150/10.3	1	MOD-FC-ETWIST-330-E	55.00
Empty solid load cartridge, 330g	271.6	60.6	150/10.3	5	MOD-FC-ETWIST-330-E-5	276.00

DID YOU KNOW?

Unlike some of our competitors, our columns come pre-assembled. This means you can start work when you open the box rather than fiddling around putting products together.



eTWIST™ Packed

eTWIST Pre-Packed Ultra-Pure Irregular Silica

Pre-packed, ultra-pure irregular silica, 40-63 μm , 60 \AA (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)	PK/ Size	Part No.	List £
4g	4mg-0.4g	15-40	115.1	12.8	200/13.8	20	MOD-FC-ETWIST-4-1-20	50.00
12g	12mg-1.2g	30-60	137.8	21.4	200/13.8	18	MOD-FC-ETWIST-12-1-18	75.00
25g	25mg-2.5g	30-60	188.2	21.6	200/13.8	12	MOD-FC-ETWIST-25-12	63.00
40g	40mg-4.0g	40-70	188.7	26.8	200/13.8	12	MOD-FC-ETWIST-40-1-12	85.00
60g	60mg-6.0g	60-150	173.3	37	200/13.8	12	MOD-FC-ETWIST-60-1-12	229.00
80g	80mg-8.0g	50-100	263.5	31.2	200/13.8	10	MOD-FC-ETWIST-80-1-10	140.00
100g	100mg-10g	80-220	146.6	60.4	150/10.3	6	MOD-FC-ETWIST-100-1-6	178.00
120g	120mg-12g	60-150	277.7	37.4	200/13.8	10	MOD-FC-ETWIST-120-1-10	177.00
220g	220mg-22g	80-220	218.5	60.4	150/10.3	6	MOD-FC-ETWIST-220-1-6	178.00
330g	330mg-33g	80-220	271.6	60.6	150/10.3	5	MOD-FC-ETWIST-330-1-5	184.00

*Compatible with all flash chromatography systems including ISCO, Biotage, Yamazen, Teledyne ISCO, Analogix (Varian), Interchim, Grace, Armen and BUCHI.

eTWIST Pre-Packed Irregular Silica

Pre-packed, irregular silica, 40-63 μm , 60 \AA (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)	PK/ Size	Part No.	List £
4g	4mg-0.4g	15-40	115.1	12.8	200/13.8	20	MOD-FC-ETWIST-4-3-20	46.00
12g	12mg-1.2g	30-60	137.8	21.4	200/13.8	18	MOD-FC-ETWIST-12-3-18	68.00
25g	25mg-2.5g	30-60	188.2	21.6	200/13.8	12	MOD-FC-ETWIST-25-3-12	56.00
40g	40mg-4.0g	40-70	188.7	26.8	200/13.8	12	MOD-FC-ETWIST-40-3-12	75.00
60g	60mg-6.0g	60-150	173.3	36.5	200/13.8	12	MOD-FC-ETWIST-60-3-12	206.00
80g	80mg-8.0g	50-100	263.5	31.2	200/13.8	10	MOD-FC-ETWIST-80-3-10	122.00
100g	100mg-10g	80-220	146.6	60.4	150/10.3	6	MOD-FC-ETWIST-100-3-6	160.00
120g	120mg-12g	60-150	277.7	36.6	200/13.8	10	MOD-FC-ETWIST-120-3-10	154.00
220g	220mg-22g	80-220	218.5	60.4	150/10.3	6	MOD-FC-ETWIST-220-3-6	154.00
330g	330mg-33g	80-220	271.6	60.6	150/10.3	5	MOD-FC-ETWIST-330-3-5	156.00

*Compatible with all flash chromatography systems including ISCO, Biotage, Yamazen, Teledyne ISCO, Analogix (Varian), Interchim, Grace, Armen and BUCHI.

NEW!

eTWIST™ Plus Solid Load

NEW!

eTWIST Plus - Ultra-Pure Irregular Silica (15% Empty)

Packed with 15% empty, ultra-pure irregular silica, 40-63 µm, 60Å, (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)	PK/ Size	Part No.	List £
3.5g	3.5g-0.35g	15-40	115.1	12.8	200/13.8	20	MOD-FC-ETWISTP-35-1-20	52.00
10g	10mg-1.0g	30-60	137.8	21.4	200/13.8	18	MOD-FC-ETWISTP-10-1-18	83.00
20g	20mg-2.0g	30-60	188.2	21.6	200/13.8	12	MOD-FC-ETWISTP-20-1-12	68.00
35g	35mg-3.5g	40-70	188.7	26.8	200/13.8	12	MOD-FC-ETWISTP-35-1-12	93.00
70g	70mg-7.0g	50-100	263.5	31.2	200/13.8	10	MOD-FC-ETWISTP-70-1-10	165.00
100g	100mg-10g	60-150	277.7	36.6	200/13.8	10	MOD-FC-ETWISTP-100-1-10	208.00
185g	185mg-18.5g	80-220	218.5	60.6	150/10.3	6	MOD-FC-ETWISTP-185-1-6	228.00
280g	280mg-28g	80-220	271.6	60.6	150/10.3	5	MOD-FC-ETWISTP-280-1-5	229.00

*Compatible with all flash chromatography systems including ISCO, Biotage, Yamazen, Teledyne ISCO, Analogix (Varian), Interchim, Grace, Armen and BUCHI.

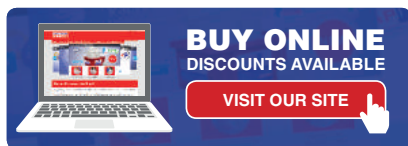
NEW!

eTWIST Plus - High-Efficiency Spherical Silica (15% Empty)

Packed with 15% empty, high-efficiency irregular silica, 20-45 µm, 70Å, (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)	PK/ Size	Part No.	List £
3.5g	3.5mg-0.53g	15-30	115.1	12.8	200/13.8	20	MOD-FC-ETWISTP-35-5-20	125.00
10g	10mg-1.5g	25-50	137.8	21.4	200/13.8	18	MOD-FC-ETWISTP-10-5-18	198.00
20g	20mg-3.0g	25-50	188.2	21.6	200/13.8	12	MOD-FC-ETWISTP-20-5-12	204.00
35g	35mg-5.3g	30-60	188.7	26.8	200/13.8	12	MOD-FC-ETWISTP-35-5-12	319.00
70g	70mg-10.5g	40-80	263.5	31.2	200/13.8	10	MOD-FC-ETWISTP-70-5-10	510.00
100g	100mg-15g	60-100	277.7	36.6	200/13.8	10	MOD-FC-ETWISTP-100-5-10	670.00
185g	185mg-27.8g	80-160	218.5	60.6	200/13.8	6	MOD-FC-ETWISTP-185-5-6	707.00
280g	280mg-42g	80-160	271.6	60.6	200/13.8	5	MOD-FC-ETWISTP-280-5-5	917.00

*Compatible with all flash chromatography systems including ISCO, Biotage, Yamazen, Teledyne ISCO, Analogix (Varian), Interchim, Grace, Armen and BUCHI.



NEW!

eTWIST™ Plus Solid Load

NEW!

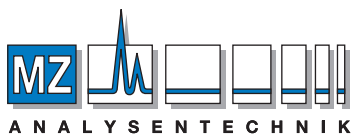
eTWIST Plus - High-Capacity Spherical Silica (15% Empty)

Packed with 15% empty, high-capacity irregular silica, 25 µm, 50Å, (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)	PK/ Size	Part No.	List £
3.5g	3.5mg-1.05g	15-30	115.1	12.8	200/13.8	20	MOD-FC-ETWISTP-35-5-20-H	78.00
10g	10mg-3g	25-50	137.8	21.4	200/13.8	18	MOD-FC-ETWISTP-10-5-18-H	128.00
20g	20mg-6g	25-50	188.2	21.6	200/13.8	12	MOD-FC-ETWISTP-20-5-12-H	129.00
35g	35g-10.5g	30-60	188.7	26.8	200/13.8	12	MOD-FC-ETWISTP-35-5-12-H	186.00
70g	70mg-21g	40-80	263.5	31.2	200/13.8	10	MOD-FC-ETWISTP-70-5-10-H	328.00
100g	100mg-30g	60-100	277.7	36.6	200/13.8	10	MOD-FC-ETWISTP-100-5-10-H	428.00
185g	185mg-55.5g	80-160	218.5	60.6	150/10.3	6	MOD-FC-ETWISTP-185-5-6-H	417.00
280g	280mg-84g	80-160	271.6	60.6	150/10.3	5	MOD-FC-ETWISTP-280-5-5-H	520.00

*Compatible with all flash chromatography systems including ISCO, Biotage, Yamazen, Teledyne ISCO, Analogix (Varian), Interchim, Grace, Armen and BUCHI.

CHROMATOGRAPHY DIRECT^{COM}



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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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