

# **MODUS** Flash Columns

**B SERIES**



- *Economical solution for everyday purifications*
- *Packed with high-quality silica gel or alumina*
- *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*



## B-Series™ (Basic)

**MODUS B-Series flash columns are manufactured with the same cartridges as the standard series (and therefore have all the same features) but are packed with economical, high-quality silica gel (40-63µm, 60Å) or 50-75µm alumina. The alumina flash columns are particularly useful when the sample is sensitive and prone to degradation on silica gel. B-Series offers great savings for everyday purification.**



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

### **Resolution and Reproducibility**

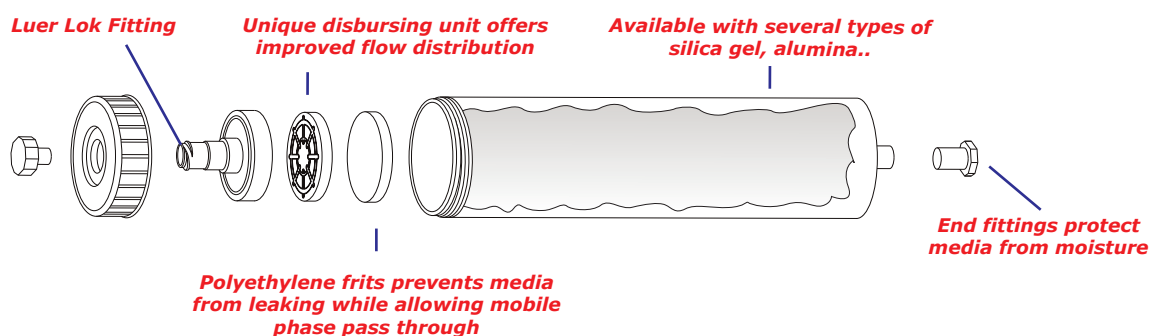
MODUS B-Series (Basic Series) cartridges are manufactured using an innovative dry packing technique resulting in higher resolution and reproducibility. Featuring the industry standard Luer®-Lok end fitting, MODUS B-Series allow for quick, easy connection to most flash chromatography systems including 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 B-Series columns are available from 4g up to 6Kg formats and are optimised for purification from 10mg to 300 grams. The enhanced product design with high-efficiency silica gel (irregular 40-63µm, 60Å) provides outstanding performance with lower use-cost.

### **Safe**

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



## High-Quality Irregular Silica/Neutral Alumina

### High-quality irregular silica, 40-63 $\mu\text{m}$ , 60 $\text{\AA}$

(surface area 500 m<sup>2</sup>/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-CDB-SI-3-4-20	32.00
12g	12mg-1.2g	30-60	124.5	21.2	300/20.7	18	MOD-FC-CDB-SI-3-12-18	44.00
25g	25mg-2.5g	30-60	172.7	21.3	300/20.7	12	MOD-FC-CDB-SI-3-25-12	38.00
40g	40mg-4.0g	40-70	176	26.7	300/20.7	12	MOD-FC-CDB-SI-3-40-12	47.00
80g	80mg-8.0g	50-100	246.8	30.9	200/13.8	10	MOD-FC-CDB-SI-3-80-10	81.00
120g	120mg-12g	60-150	264.6	36.2	200/13.8	10	MOD-FC-CDB-SI-3-120-10	104.00
220g	220mg-22g	80-220	203.7	60.1	150/10.3	6	MOD-FC-CDB-SI-3-220-6	117.00
330g	330mg-33g	80-220	275	60.4	150/10.3	5	MOD-FC-CDB-SI-3-330-5	122.00
800g	800mg-80g	100-300	382.9	78.2	100/6.9	3	MOD-FC-CDB-SI-3-800-3	335.00
1600g	1.6g-160g	200-500	432.4	103.8	100/6.9	2	MOD-FC-CDB-SI-3-1600-2	326.00
3000g	3g-300g	200-500	509.5	127.5	100/6.9	1	MOD-FC-CDB-SI-3-3000-1	421.00

### High-quality neutral alumina, 50-75 $\mu\text{m}$ , 55 $\text{\AA}$

(pH: acidic 3.8-4.8, neutral 6.5-7.5, basic 9.0-10.0; loading capacity 0.5-4%)

Column Size	Sample Size	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max Pressure (psi/bar)	Pack Size	Part No.	List £
8g	40mg-0.32g	10-30	105.8	12.4	300/20.7	20	MOD-FC-CDB-AL-8-20	57.00
24g	120mg-1.0g	15-45	124.5	21.2	300/20.7	18	MOD-FC-CDB-AL-24-18	79.00
50g	250mg-2.0g	15-45	172.7	21.3	300/20.7	12	MOD-FC-CDB-AL-50-12	70.00
80g	400mg-3.2g	20-50	176	26.7	300/20.7	12	MOD-FC-CDB-AL-80-12	94.00
160g	800mg-6.4g	30-70	246.8	30.9	200/13.8	10	MOD-FC-CDB-AL-160-10	162.00
240g	1.2g-9.6g	40-80	264.6	36.2	200/13.8	10	MOD-FC-CDB-AL-240-10	207.00
440g	2.2g-17.6g	50-120	203.7	60.1	150/10.3	6	MOD-FC-CDB-AL-440-6	207.00
660g	3.3g-26.4g	50-120	275	60.4	150/10.3	5	MOD-FC-CDB-AL-660-5	223.00
1600g	8.0g-64g	100-200	382.9	78.2	100/6.9	3	MOD-FC-CDB-AL-1600-3	467.00
3200g	16g-128g	150-300	432.4	103.8	100/6.9	2	MOD-FC-CDB-AL-3200-2	495.00
6000g	6g-240g	150-300	509.5	127.6	100/6.9	1	MOD-FC-CDB-AL-6000-1	485.00

**100%**

**compatible with**  
**all major flash chromatography systems**



## High-Quality Acidic Alumina/Basic Alumina

### High-quality acidic alumina, 50-75 $\mu\text{m}$ , 55 Å

(pH: acidic 3.8-4.8, acidic 6.5-7.5, basic 9.0-10.0; loading capacity 0.5-4%)

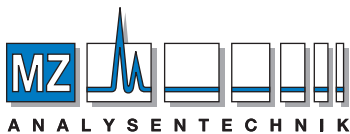
Column Size	Sample Size	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max Pressure (psi/bar)	Pack Size	Part No.	List £
8g	40mg-0.32g	10-30	105.8	12.4	300/20.7	20	MOD-FC-CDB-AAL-8-20	66.00
24g	120mg-1.0g	15-45	124.5	21.2	300/20.7	18	MOD-FC-CDB-AAL-24-18	92.00
50g	250mg-2.0g	15-45	172.7	21.3	300/20.7	12	MOD-FC-CDB-AAL-50-12	83.00
80g	400mg-3.2g	20-50	176	26.7	300/20.7	12	MOD-FC-CDB-AAL-80-12	112.00
160g	800mg-6.4g	30-70	246.8	30.9	200/13.8	10	MOD-FC-CDB-AAL-160-10	193.00
240g	1.2g-9.6g	40-80	264.6	36.2	200/13.8	10	MOD-FC-CDB-AAL-240-10	249.00
440g	2.2g-17.6g	50-120	203.7	60.1	150/10.3	6	MOD-FC-CDB-AAL-440-6	250.00
660g	3.3g-26.4g	50-120	275	60.4	150/10.3	5	MOD-FC-CDB-AAL-660-5	272.00
1600g	8.0g-64g	100-200	382.9	78.2	100/6.9	3	MOD-FC-CDB-AAL-1600-3	561.00
3200g	16g-128g	150-300	432.4	103.8	100/6.9	2	MOD-FC-CDB-AAL-3200-2	601.00
6000g	6g-240g	150-300	509.5	127.5	100/6.9	1	MOD-FC-CDB-AAL-6000-1	591.00

### High-quality basic alumina, 50-75 $\mu\text{m}$ , 55 Å

(pH: acidic 3.8-4.8, basic 6.5-7.5, basic 9.0-10.0; loading capacity 0.5-4%)

Column Size	Sample Size	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max Pressure (psi/bar)	Pack Size	Part No.	List £
8g	40mg-0.32g	10-30	105.8	12.4	300/20.7	20	MOD-FC-CDB-BAL-8-20	57.00
24g	120mg-1.0g	15-45	124.5	21.2	300/20.7	18	MOD-FC-CDB-BAL-24-18	79.00
50g	250mg-2.0g	15-45	172.7	21.3	300/20.7	12	MOD-FC-CDB-BAL-50-12	70.00
80g	400mg-3.2g	20-50	176	26.7	300/20.7	12	MOD-FC-CDB-BAL-80-12	94.00
160g	800mg-6.4g	30-70	246.8	30.9	200/13.8	10	MOD-FC-CDB-BAL-160-10	162.00
240g	1.2g-9.6g	40-80	264.6	36.2	200/13.8	10	MOD-FC-CDB-BAL-240-10	207.00
440g	2.2g-17.6g	50-120	203.7	60.1	150/10.3	6	MOD-FC-CDB-BAL-440-6	207.00
660g	3.3g-26.4g	50-120	275	60.4	150/10.3	5	MOD-FC-CDB-BAL-660-5	223.00
1600g	8.0g-64g	100-200	382.9	78.2	100/6.9	3	MOD-FC-CDB-BAL-1600-3	467.00
3200g	16g-128g	150-300	432.4	103.8	100/6.9	2	MOD-FC-CDB-BAL-3200-2	495.00
6000g	6g-240g	150-300	509.5	127.5	100/6.9	1	MOD-FC-CDB-BAL-6000-1	485.00

# CHROMATOGRAPHY DIRECT<sup>COM</sup>



## 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, NH<sub>2</sub>, 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](http://www.chromatographydirect.com)

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