



ULTRA FLASH®

THE HIGHEST QUALITY OF SILICA IN THE INDUSTRY



INNOVATION THROUGH CHEMISTRY

UCT's All New ULTRA FLASH® Purification Line



ULTRA FLASH® I: Standard Ultra-Pure Silica Line

ULTRA FLASH® II: Spherical High Pressure Silica Line

ULTRA FLASH® III: iLOK® Pre-packed Standard Ultra-Pure Silica Line

- 100% guaranteed leak-free
- Clean, pre-packed, pharmaceutical-grade polypropylene cartridges
- Made with ultra-pure normal phase silica gel
- Easy purification with disposable columns provided in an extensive range of sizes
- 100% compatibility with other instruments
 - ♦ Teledyne Isco (CombiFlash® : Rf, Companion®, RETRIEVE®, OptiX®)
 - ♦ Biotage (Isolera™, SP, Flash, FlashMaster II)
 - ♦ Analogix (Varian) (IntelliFlash 310 and 280, SimpliFlash, F12/40)
 - ♦ Interchim (PuriFlash™ 430evo)
 - ♦ Grace (Reveleris® System)
 - ♦ Armen (Spot Flash System)
 - ♦ Yamazen (Smart Flash EPCLC W-Prep 2XY)
 - ♦ BUCHI (Sepacore®)



ULTRA FLASH® I: Standard Ultra-Pure Silica

Ultra-pure silica features tight particle size distribution and high surface area. Pressure rated up to 300 psi. Availability for packing of other phases including but not limited to C18, Aminopropyl, Diol, Cyanopropyl, Quaternary Amine and Benzenesulfonic Acid.



Specifications:

- Average Particle Size: 40-63 μ m
- Average Pore Size: 60 Å
- Surface Area: 500 m²/g
- Average pH: 6.5-7.5
- Irregular Shaped Silica Gel

Part Numbers	Column Size	Sample Size	Package Quantity	Max Pressure (psi/bar)
UFSIL0004	4 g	4mg - 0.4g	20	300/20.7
UFSIL0012	12 g	12mg - 1.2g	18	300/20.7
UFSIL0025	25 g	25mg - 2.5g	12	300/20.7
UFSIL0040	40 g	40mg - 4g	12	300/20.7
UFSIL0080	80 g	80mg - 8g	10	200/13.8
UFSIL0120	120 g	120mg - 12g	10	200/13.8
UFSIL0220	220 g	220mg - 22g	6	150/10.3
UFSIL0330	330 g	330mg - 33g	5	150/10.3
UFSIL0800	800 g	800mg - 80g	3	100/6.9
UFSIL1600	1600 g	1.6g - 160g	2	100/6.9
UFSIL3000	3000 g	3.0g - 300g	1	100/6.9

ULTRA FLASH® II: Spherical High Pressure Silica

Spherical silica provides improved resolution and high load ability without increasing the back pressure. Purification time is therefore reduced by 40-60%. Pressure rated up to 400 psi.



Specifications:

- Average Particle Size: 20-45 μ m
- Average Pore Size: 70 Å
- Surface Area: 500 m²/g
- Average pH: 6.0-8.0
- Spherical Shaped Silica Gel

Part Numbers	Column Size	Sample Size	Package Quantity	Max Pressure (psi/bar)
UHSIL0004	4 g	4mg - 0.6g	20	400/27.5
UHSIL0012	12 g	12mg - 1.8g	18	400/27.5
UHSIL0025	25 g	25mg - 3.8g	12	400/27.5
UHSIL0040	40 g	40mg - 6.0g	12	400/27.5
UHSIL0080	80 g	80mg - 12g	10	350/24.0
UHSIL0120	120 g	120mg - 18g	10	300/20.7
UHSIL0220	220 g	220mg - 33g	6	300/20.7
UHSIL0330	330 g	330mg - 50g	5	250/17.2

ULTRA FLASH® III: iLOK® Pre-packed Standard Ultra-Pure Silica

iLOK® flash cartridges provide an innovative open-top column design conducive to manual assembly allowing various loading methods such as solid loading and direct liquid injection. The iLOK® Line is offered in two formats: Pre-packed with standard silica and empty solid-load with screw caps, frits, disbursing unit, O-ring and end tips. Columns are pressure rated up to 200 psi.



Specifications:

- Average Particle Size: 40-63 μ m
- Average Pore Size: 60 Å
- Surface Area: 500 m²/g
- Average pH: 6.5-7.5
- Irregular Shaped Silica Gel

Part Numbers Pre-packed with standard silica	Part Numbers Empty	Column Size	Sample Size	Package Quantity	Max Pressure (psi/bar)
UISIL0004	UIE0004	4 g	4mg - 0.4g	20	200/13.8
UISIL0012	UIE0012	12 g	12mg - 1.2g	18	200/13.8
UISIL0025	UIE0025	25 g	25mg - 2.5g	12	200/13.8
UISIL0040	UIE0040	40 g	40mg - 4.0g	12	200/13.8
UISIL0060	UIE0060	60 g	60mg - 6.0g	10	200/13.8
UISIL0080	UIE0080	80 g	80mg - 8.0g	10	200/13.8
UISIL0100	UIE00100	100 g	100mg - 10g	6	150/10.3
UISIL0120	UIE0120	120 g	120mg - 12g	5	200/13.8
UISIL0220	UIE0220	220 g	220mg - 22g	3	150/10.3
UISIL0330	UIE0330	330 g	330mg - 33g	2	150/10.3

Polyethylene frits locking media in place and protecting the integrity of the sorbent.



Conventional leur-lock end fittings making Ultra Flash® columns compatible with any flash system on the market.

After more than 30 years, the UCT name continues to carry with it the same commitment to quality as it did when initially launching into the solid phase extraction market. The tradition continues with the release of the Ultra Flash® purification line. Beginning with high-purity silica gel media, UCT will continue to expand upon the range of available bonded phases and offer efficient alternatives to conventional Flash purification methods.

Solid polypropylene body packed with the highest quality silica in the industry allowing for excellent lot to lot resolution and reproducibility.

Leur-lock end fittings are capped to preserve media from unwanted moisture exposure.



PRICES AND TERMS

Our prices are subject to change without notice. The price in effect when we receive your order will apply. All prices are in US Dollars and are F.O.B. Terms of payment are net 30 days.

MINIMUM ORDERS

We welcome all orders, therefore, we do not have a minimum order requirement. When ordering, please include your purchase order number, complete "Ship To" and "Bill To" address, catalog number, quantity, and description of product(s). Also include your name and a phone number where you can be reached should we have any questions concerning your order.

SHIPMENTS

Normal processing is within 24 hours after receipt of an order. Unless special shipping requests have been made, our trained staff will send all orders by UPS Ground service. The appropriate shipping charges (freight & insurance costs) will be added to the invoice, unless otherwise instructed by the customer.

SPECIAL PRICING

We offer special pricing for volume purchases and standing orders. These discounts apply to bonded phase extraction column purchases only. Please call a sales representative for more information on special pricing qualifications.

RETURN POLICY

Our Quality Manager will handle all returns. Before returning merchandise, please call to obtain a return authorization number from the quality manager. We will need to know the reason for the return, date of purchase, purchase order number and invoice number in order to issue a return authorization number. Return merchandise must be received before a credit can be issued. Returns will not be accepted after 90 days. A restocking fee of 25% of the price paid, or a minimum of \$25.00 (whichever is greater) will be charged on all returns.

WARRANTY

All products manufactured by UCT are guaranteed against defects in materials and workmanship for a period of 90 days after shipment. UCT will replace any items that prove to be defective during this time period. The exclusive remedy requires the end user to first advise UCT of the defective product by phone or in writing and must include order number, the lot number and the shipping date.

To initiate this action, photographs of the product, including packaging and labeling of the containers, must be submitted to the UCT Representative for approval. With approval a return authorization can be initiated, and must be received within 30 days. Once the materials arrive at UCT a further inspection of the materials must be completed and accepted by our Quality Manager prior to further action of credits or replacement. UCT's total liability is limited to the replacement cost of UCT products.

This warranty does not apply to damage resulting from misuse.

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