



# 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 $\mu$ m
- Average Pore Size: 60 Å
- Surface Area: 500 m<sup>2</sup>/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 $\mu$ m
- Average Pore Size: 70 Å
- Surface Area: 500 m<sup>2</sup>/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 $\mu$ m
- Average Pore Size: 60 Å
- Surface Area: 500 m<sup>2</sup>/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.

