

## iLOK™ II Large-sized Empty Solid Load Cartridge

iLOK™ II large-sized empty solid load cartridges offer convenience of manual assembly to the users and meet the needs of users for loading higher sample quantity. To connect the Solid load cartridge with most commonly used high flow rate Flash chromatography systems available in the market, there are several adaptors for tubings with various outer diameters (OD), including 1/4-inch, 3/16-inch and 1/8-inch.

- ▶ Innovative column design convenient for manual assembly
- ▶ Available in 3 cartridge sizes of 800g, 1600g and 3000g
- ▶ Support user-customized length of column tube
- ▶ Various adaptors for different OD tubings make it compatible with any flash system
- ▶ Reinforced cartridge body with maximum operating pressure up to 100 psi (6.9 bar)
- ▶ Support multiple use, easy to replace consumables- Plastic column tube



### Introduction of iLOK™ II Empty Solid Load Cartridge components

#### The Reusable Parts for iLOK™ II Empty Solid Load Cartridge

The Reusable Part of iLOK™ II empty solid load cartridge is mainly composed of the stainless steel cap and the stainless steel hoop, so it can be used for a long time. This product is an economical and suitable choice for users.

#### The Disposable Parts for iLOK™ II Empty Solid Load Cartridge

The Disposable Parts for iLOK™ II empty solid load cartridge mainly include the column tube, the frit and the sealing ring, and these parts will be contaminated after one or several uses, when users can replace these parts according to actual needs. The optimized design of the product provides convenience and saves the cost of use for users.

### User Guideline



**Step 1** Check the product components, including a column tube, two caps, two hoops, two sealing rings and top and bottom frits.



**Step 2** Place the column tube on the lab bench, and place the sealing ring in the groove of the column tube opening.





**Step 3** Place the cap on the sealing ring, and the sealing ring fits into the groove on the lower part of the cap.



**Step 4** Use the hoop to hold the outer rim of the cap and the outer rim of the column tube opening.



**Step 5** The locking component on the hoop includes a screw rod and a locking nut, and the locking nut is threaded on the screw rod. Pass the screw rod through the locking opening, and screw the locking nut to make the column tube and the cap move toward each other to realize the locking connection. It is recommended to use a wrench tool to tighten the locking nut.



**Step 6** Rotate the column body so that the other opening end is up. Place the bottom frit into the lower part of the column body, and use the plug tool to flatten the bottom frit. At this time, the bottom frit is in contact with the cap.



**Step 7** Fill suitable chromatographic media or solid samples into the tube according to user needs.



**Step 8** Place the top frit on the filled media bed and align the frit horizontally.





**Step 9** Place the other sealing ring in the groove of the column body opening.



**Step 10** Place the other cap on the sealing ring, and the sealing ring fits into the groove on the lower part of the cap.



**Step 11** Use the other hoop to hold the outer rim of the cap and the outer rim of the column body opening, and lock the column body and the cap by screwing the locking nut. It is recommended to use a wrench tool to tighten the locking nut.



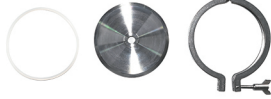
**Step 12** Connect the adaptors of the tubings to the inlet and outlet of the cartridge. Users can choose the appropriate adaptor of 1/8-inch, 3/16-inch or 1/4-inch OD tubing according to their needs.

## Ordering Information




### iLOK™ II Empty Solid Load Cartridge

Product	Item Number	Description	Units /Box	Volume (mL)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
iLOK® II 800g	SD-0000-0800A	Fully assembled, with plastic column tube and stainless steel assembly	optional	1395	140	127	100/6.9
iLOK® II 1600g	SD-0000-1600A	Fully assembled, with plastic column tube and stainless steel assembly	optional	2760	250	127	100/6.9
iLOK® II 3000g	SD-0000-3000A	Fully assembled, with plastic column tube and stainless steel assembly	optional	5165	440	127	100/6.9

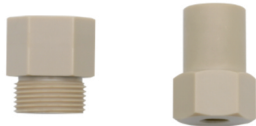
## The Reusable Parts for iLOK™ II Empty Solid Load Cartridge

Product	Item Number	Description	Product Picture
iLOK™ II 800g-3000g Reusable Assembly	CNTK-SD-0800A-3000A	The Assembly for SD800-SD3000 empty solid load cartridge, with a stainless steel cap and hoop and a sealing ring.	


## The Disposable Parts for iLOK™ II Empty Solid Load Cartridge

Product	Item Number	Description	Product Picture
iLOK™ II 800g Disposable Column Tube	ET-SD0800A	The Plastic column tube for 800 g empty solid load cartridge	
iLOK™ II 1600g Disposable Column Tube	ET-SD1600A	The Plastic column tube for 1600 g empty solid load cartridge	
iLOK™ II 3000g Disposable Column Tube	ET-SD3000A	The Plastic column tube for 3000 g empty solid load cartridge	
iLOK™ II 800g-3000g Universal Frit	PF-134-SD-0800A-3000A	The top frit for 800g-3000g empty solid load cartridge	
	PF-234-SD-0800A-3000A	The bottom frit for 800g-3000g empty solid load cartridge	
iLOK™ II 800g-3000g Universal Sealing Ring	OS-SD-0800A-3000A	The sealing ring for 800g-3000g empty solid load cartridge	

## The Adaptor Kits for iLOK™ II Empty Solid Load Cartridge

Product	Item Number	Description	Product Picture
Adapter Kit of SD800-SD3000	BLL-0506-032	The adaptor of SD800-SD3000 for 1/8-inch OD tubing	
	BLL-0506-048	The adaptor of SD800-SD3000 for 3/16-inch OD tubing	
	BLL-0506-064	The adaptor of SD800-SD3000 for 1/4-inch OD tubing	

## The Assembly tools for iLOK™ II Empty Solid Load Cartridge

Product	Item Number	Description	Product Picture
Frit Insertion Rod of SD800-SD3000	TO-PF-IR-007	The frits insertion rod for SD800-SD3000	

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