Adjustable Solid Load Cartridge Cap for Redi*Sep* Cartridges
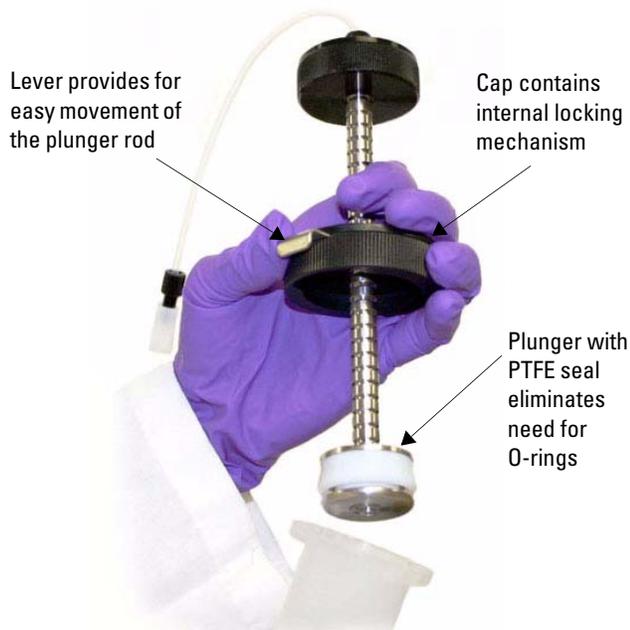
Product Information and Instructions

Overview

Teledyne Isco's adjustable solid load cartridge caps are easy to use, and provide you with additional flexibility in loading your solid samples.

Four sizes of adjustable caps are available (refer to Table 1 on next page) to fit 5, 25, 65, and 270 gram Redi*Sep*® empty or prepacked solid load cartridges.

Designed for Convenience

The design of the adjustable solid load cartridge cap is simple, yet effective.

- **Easily adjustable -** A lever on the cap provides for quick vertical movement of the metal plunger rod, allowing for adjustment to any bed height. (The 270 gram size uses a threaded adjustment.)
- **No dead volume -** Eliminating dead volume improves gradient accuracy because there is no space for solvent mixing.
- **Secure lock -** The cap's internal locking mechanism holds the plunger and cartridge securely in place, without the use of clumsy external springs and locking mechanisms.
- **Low maintenance -** The plunger uses a virgin PTFE seal, eliminating costly, leak-prone O-rings.
- **No leaks -** Internal stops within the cap keep the cartridge ears from rotating, tightly holding the cap onto the cartridge and preventing leaks.

Lever provides for easy movement of the plunger rod

Cap contains internal locking mechanism

Plunger with PTFE seal eliminates need for O-rings

Easy to Use

Teledyne Isco's adjustable cartridge caps can be used with any type of sample, and are effective with low solubility samples. The adjustable caps can be used with a variety of Redi*Sep* cartridges. To meet your specific needs, Redi*Sep* disposable sample load cartridges are available empty, prepacked with silica gel, or prepacked with C-18 media for reversed phase purification.

Using an Empty Cartridge — After absorbing your compound onto loose silica, pour the compound absorbed silica into an empty cartridge. Add a frit to the top and select the corresponding size of adjustable cartridge cap.

Insert the plunger into the cartridge, push in the lever on the side of the cap (or rotate the threaded ring), and adjust the plunger to bed height. Firmly insert the cartridge into the cap's fitting, and give the cartridge a slight twist to make sure the cartridge ears have been rotated inside the cap and the cap is securely fitted around the cartridge. Connect the cartridge and cap to the Companion® or other instrument, and perform your run.

Using a Prepacked Cartridge — After dissolving your compound, introduce it onto a prepacked cartridge and then remove the solvent using Teledyne Isco's solid sample cartridge dryer. Select an appropriately sized adjustable cartridge cap, and insert the plunger into the cartridge. Adjust the plunger to bed height, and make sure the cap is securely fitted onto the top of the cartridge. Make your system connections, and perform your run.

The four sizes of Teledyne Isco adjustable cartridge caps fit (L to R) 5 gram, 25 gram, 65 gram, and 270 gram cartridges.

The convenient storage prop on the end of the adjustable cap lets you flip the cap upside down when not in use, and store it inside the molded receptacle on top of the Companion.

Table 1: Catalog Numbers For Disposable Sample Load Cartridges and Caps	
Solid Load Cartridge Caps	
60-5237-008	Adjustable SLCC, fits 5 gram sample load cartridges
60-5237-009	Adjustable SLCC, fits 25 gram sample load cartridges
60-5237-010	Adjustable SLCC, fits 65 gram sample load cartridges
68-5237-015	Adjustable SLCC, fits 270 gram sample load cartridges; includes loading rod and cartridge stand
68-5214-023	Regular SLCC, fits 5 gram sample load cartridges
68-3877-061	Regular SLCC, fits 25 gram sample load cartridges
Empty Cartridges	
69-3873-140	Sample load, empty cartridge (holds up to 5 grams) package of 30; bulk (6 pkgs) 68-3877-140
69-3873-146	Sample load, empty cartridge (holds up to 25 grams) package of 30; bulk (6 pkgs) 68-3877-146
69-3873-193	Sample load, empty cartridge (holds up to 65 grams) package of 12; bulk (6 pkgs) 68-3877-193
69-3873-201	Sample load, empty cartridge (holds up to 270 grams) package of 6; bulk (6 pkgs) 68-3877-201 (If you need a loading rod and stand, order 68-3874-088 below.)
68-3874-088	Loading rod and cartridge stand for 270 gram sample load, empty cartridge
Silica Cartridges	
68-3873-145	Sample load, prepacked silica gel cartridges, 5 grams, package of 20; bulk (12 pkgs) 68-3877-145
68-3873-147	Sample load, prepacked silica gel cartridges, 25 grams, package of 15; bulk (12 pkgs) 68-3877-147
68-3873-194	Sample load, prepacked silica gel cartridges, 65 grams, package of 12; bulk (12 pkgs) 68-3877-194
68-3873-202	Sample load, prepacked silica gel cartridges, 270 grams, package of 4; bulk (12 pkgs) 68-3877-202
Reversed Phase C-18	
68-3873-301	Sample load, prepacked C-18 cartridges, 5 gram, package of 5
68-3873-302	Sample load, prepacked C-18 cartridges, 25 gram, package of 4

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