

ACCU•PREP 7000™ SPE MANIFOLD

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As solid phase disk extraction continues to gain acceptance as a quick, solvent saving extraction technique the modern laboratory will increasingly depend on a high production, durable extraction device to meet growing sample preparation needs. More than ever, devices with maximum capacity, rugged construction and simplicity in design are being sought as an alternative to temporary, fragile and frustrating less expensive units. The Accu•prep 7000™ SPE manifold from CPI is designed specifically to meet these needs. With unlimited expandability, exceptionally durable construction, and an integrated, production-oriented design, the Accu•prep 7000™ is ready to perform all your current and future solid phase extraction methods.

Unique Features of the Accu•prep 7000™

3-way valve includes 316 SS disk support screen and incorporates a unique Aluminum threaded Screw Cap to provide simple, leak-free attachment of 300mL, 600mL or 1,000mL sample reservoir. Using an ingenious adapter, the valve easily converts to accept 90mm disks.

Capable of accepting a range of commonly available collection vessels, our 3-way valve system incorporates standard GPI 24-410 internal threads. An adapter allows 24/25 or 24/40 ground-joint boiling flasks to be used also.

Our integrated 3-way valve system allows eluting to be performed directly after extraction without disassembly of the manifold. In extraction mode, the collection vessel may be removed without breaking the system vacuum. The valve is constructed entirely of Teflon.

In extraction mode, waste travels down a clear drain, allowing the analyst to monitor extraction flow rate.

Accu•prep units link together via the vacuum attachments at each end of the base, allowing unlimited expandability and the ability to conserve space. Durable base supports six extraction positions with a compact footprint of only 10"W x 17"L. Design distributes load evenly to prevent tip-over when Manifold is fully loaded. Hard-anodized finish will not corrode or discolor over time.



High Productivity, Simplicity

The key to the simplicity of the Accu•prep 7000 is the 3-way sample valve. This component acts as an inert valve, while also supporting the Glass Sample Reservoir, SPE Disk and the Sample Collection Vessel. This one part accomplishes what three parts do in many competing brand manifolds. Fewer parts means less cleaning time and less pieces to replace. The 3-way sample valve is designed to route the extracted sample to waste and with a turn of the valve handle, route the eluent to the Sample Collection Vessel. Because the collection vessel mounts to the valve, you don't have to disassemble the manifold to access the eluent. The routing valve for each position can be adjusted to control vacuum pressure in both the extraction and eluting modes. Since the valve isolates vacuum pressure to one mode or the other, the eluent may be removed while the next SPE disk is being conditioned. The 3-way sample valve also includes an off position to shut down the individual station when not in use.

Flexibility

Whether you are performing Oil and Grease Method 1664, Method 525.1, 525.2, 550.1, 608, or 549.1, our Manifold has been designed to facilitate your analysis.

For easy loading and leak-proof sealing of the SPE disk, the Accu•prep 7000™ utilizes a unique threaded Screw Cap to hold the glass sample reservoir in place over the disk. To install an SPE disk, the Screw Cap is simply loosened enough to permit removal of the glass sample reservoir. Once the reservoir is slid out of position, an SPE disk may be set in place over the 316 stainless support screen. The reservoir is then replaced and the screw cap tightened to seal the disk. This unique design allows for simple replacement of the SPE disk with minimal disassembly of the manifold.

The Accu•prep 7000™ allows the analyst to easily convert from 47mm to 90mm disks on a station by station basis. Using CPI's unique 90mm adapter, a 47mm station can be easily converted to run 90mm disks by simply removing the 47mm glass sample reservoir and Screw Cap. Once removed, the 90mm adapter assembly is simply threaded onto the top of the 47mm station to achieve a guaranteed leakproof seal (note that the Accu•prep 7000™ may also be ordered with any number of 90mm Stations, eliminating the need to purchase the 90mm adapter).

The Accu•prep 7000™ 3-way valve also includes a GPI 24-410 universal thread size at the collection vessel attachment, allowing the analyst to select between a range of vessels, including flat bottom 40mL VOA vials and 70mL test tubes. An adapter is also available to accept 24/25, 24/40 or 19/22 ground-joint vessels, if desired.

The Accu•prep 7000™ is designed to purchase one to six extraction stations to build a system that fits your laboratory's needs. Accu•prep 7000 manifolds are designed to be linked in sequence to provide an unlimited number of positions.

Accu•prep 7000™ SPE Manifold

Part Number	Description
4350-352	Accu•prep 7000™ Rack Includes pre-assembled Manifold Rack without Extraction Stations. Stations may be purchased as needed to build the Manifold from one to six positions.
4350-380	Single Extraction Station, 47mm, for Accu•prep 7000™ (300mL) A complete 47mm Extraction Station used to build the Accu•prep 7000 up to six total stations. Comes complete with mounting hardware, 300mL Glass Sample Reservoir, Disk Support Screen and a 24 x 200mm Sample Collection Vessel.
4350-383	Single Extraction Station, 47mm, for Accu•prep 7000™ (1000mL) A complete 47mm Extraction Station used to build the Accu•prep 7000 up to six total stations. Comes complete with mounting hardware, 1,000mL Glass Sample Reservoir, Disk Support Screen and a 24 x 200mm Sample Collection Vessel.
4350-389	Single Extraction Station, 90mm, for Accu•prep 7000™ (1000mL) A complete 90mm Extraction Station used to build the Accu•prep 7000 up to six total stations. Comes complete with mounting hardware, 1,000mL Glass Sample Reservoir, Disk Support Screen and a 24 x 200mm Sample Collection Vessel.
4350-375	Adapter Kit, 47mm to 90mm Converts one 47mm station to accept 90mm SPE disks. Includes 1000ml Glass Sample Reservoir, 90mm Disk Support Screen and 24 x 200mm Sample Collection Vessel.
4350-376	Adapter Kit, 90mm to 47mm Same as above, but converts 90mm position to 47mm position.

Manifold Replacement Parts and Accessories

Part Number	Description
4350-431	Glass Sample Reservoir, 90mm, 1,000mL
4350-432	Glass Sample Reservoir, 47mm, 1,000mL
4350-379	Glass Sample Reservoir, 47mm, 300mL
4350-090025	O-Ring, 47mm
4350-090027	O-Ring, 90mm
4350-010129	O-Ring, 90mm
4250-51	Sample Collection Vessel, 24mm x 95mm, Flat Bottom, 40ml, 144/pk
4250-52	Sample Collection Vessel, 24mm x 200mm, 70mL, 36/pk
4350-090003	Collection Vessel, 25mm x 200mm, Each
4350-236	Disk Support Screen, 47mm
4350-336	Disk Support Screen, 90mm
4350-351M	Teflon Body, Rev M
4350-358	Screw Cap, Aluminum 47mm
4350-359	Screw Cap, Aluminum 90mm
4350-377	Valvestem, Multiprep 7000
4350-3821	Adapter, 90mm
4350-402	Tube Drain Plug, Each
4350-403	Tube Drain Barbed Fitting, Each
4350-404	Vacuum Tubing, 1ft
4350-4052	Perfluoroelastomer Seal, Small, Each
4350-4053	Perfluoroelastomer Seal, Kalrez, Large, Each
4350-406	Teflon Encapsulated Silicone O-Ring, Each

System Components

Part Number	Description
4350-08	Accu•prep 7000™ SPE Manifold, 6 position
4350-010109	Vacuum Tubing, 10 feet
4350-010110	Aspirator Bottle
4350-010122	Two Hole Rubber Stopper
4350-010111	Cold Vapor Trap, 1000ml
4350-010112	Vacuum Pump, 1/3 hp, 26" Hg