

DryDisk® System for High Throughput Extract Drying



The DryDisk® membrane drying system provides advantages for removing water from nonpolar solvents, important in protecting the chromatograph in the analysis step, especially critical in protecting GC and GC/MS.

In addition to effective water removal, DryDisk® does not add contaminants or fines to the extract and does not absorb analytes, contributing to accuracy. DryDisk separation membranes can be used in the DryVap® for a combined drying and evaporation system, as a single station solvent drying system (SDS-101) or as a multistation system with up to eight SDS units sharing a single vacuum through a manifold system (Figure 1) for higher productivity.

The DryDisk Solvent Drying System (SDS-101) consists of the DryDisk® Separation Membrane, Membrane Holder Assembly, precision controlled Vacuum Regulator, and Docking Bracket Assembly. An optional eight (8) port precision controlled vacuum regulator (manifold) allows multiple stations to be run simultaneously.

The SDS-101 is adaptable to common 1/2 inch diameter laboratory frames and can be mounted easily under the separatory funnel to collect the solvent extract from liquid-liquid extractions. Quick disconnect fittings and detachable disk holders permit the collected residual water to be poured back into the separatory funnel for re-extraction and optimal recovery of analytes, if desired.

Biotage offers a variety of vacuum pumps, please check with local sales or see our website bitoage.com.

Single Station DryDisk Separation Membrane System

19/22 Taper Single System includes

- » One (1) Disk Holder Assembly with Docking Bracket
- » One (1) Disk Holder Bracket, Clamp, 1/2" Pump Fitting and Vacuum Line
- » Part # SDS-101-19/22

24/40 Taper Single System Includes

- » One (1) Holder Assembly with Docking Bracket
- » One (1) Holder Bracket, Clamp, 1/2" Pump Fitting and Vacuum Line
- » Part # SDS-101-24/40



SDS Manifold with eight ports

- » Part # 50-0749-01



DryDisk Membranes

- » DryDisk Part # 40-705-HT, 65 mm, package of 50
- » DryDisk-R Part # 40-1000-HT, 65mm, package of 100

Literature Number: PPS515

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