

What size(s) are the items you need to store and in what quantity?

Interior volume of the desiccator and shelving should be considered. As a visual reference of the interior space we have estimated how many standard 12 oz cans of soda would fit into each unit. Estimates are a guideline based on interior volume and do not take shelving or desiccator shape into consideration.

How important are ease and economy of use?

Each method of desiccation has advantages and trade-offs. Each user must determine the method that best serves their purposes. Using standard desiccants and regenerating them as needed is economical, but requires monitoring. There may also be more variability in your environment. An automated desiccator requires much less monitoring but uses electric power. Gas ported desiccators are quick to achieve relative humidity, but if the unit is accessed frequently, proportionately more gas will be needed to keep the desired low humidity level. Vacuum desiccators remove air and moisture and can be brought back to vacuum rather easily after opening, but require a pump.

Once you have determined your most desirable method of desiccation, there are a variety of styles and sizes of desiccators to choose from.

Scienceware® Desiccator Brands

Method	Volume (cu.ft.)	Secador®	Space Saver	Techni-Dome®	Dry-Keeper™	Scienceware®	Pages
Standard Desiccation	Less than 0.50	X	X		X	X	91-96
	0.51 – 1.25	X				X	
	1.26 – 1.74	X			X		
	1.75 and up	X			X		
Automated, Standard Desiccation	Less than 0.50						97-100
	0.51 – 1.25	X			X		
	1.26 – 1.74	X					
	1.75 and up	X			X		
Gas Purge Desiccation	Less than 0.50	X			X		101-104
	0.51 – 1.25	X			X		
	1.26 – 1.74	X					
	1.75 and up	X		X			
Vacuum Desiccation	Less than 0.50		X			X	105-106
	0.51 – 1.25						
	1.26 – 1.74						
	1.75 and up			X			