

Construction Materials

Function	Quantity	Description	Comment
Attatch Side Plates	8	3"x1/4" Machine Screws	Per longitudinal wall per side plate (total of 32)
	6	1/4" Washer	Per longitudinal wall per side plate - washers won't fit at extreme top/bottom locations (total of 24)
	8	1/4" Hex Nut	Per longitudinal wall per side plate (total of 32)
Attatch Top/Bottom Plates	16	3"x1/4" Machine Screws	Per longitudinal wall per top/bottom plate (total of 64)
	16	1/4" Washer	Per longitudinal wall per top/bottom plate (total of 64)
	16	1/4" Hex Nut	Per longitudinal wall per top/bottom plate (total of 64)
Sampling Ports	192	Supelco GR-2 Septa	
	192	1/4"-28 Socket Jam Nut	
Inlet/Outlet Flow Valves	2	1/4"x1/4" I.D. Hose Barb	In order from outside of the tank to inside the tank
	2	1/4" Coupling	
	2	1/4" to 1/8" Reducer	
	2	1/8" Screw Valve	
	2	1/8" to 1/4" Expander	
	2	1/4" Coupling	
	2	1/4"x1 1/2" Pipe	
	2	1/4" Washer	
	2	1/2"x1/4" Galvanized Hex Bushing	
Valves/Needles		3-Way Valve for manometer	
		Stainless Steel Hopsi-Luer hypodermic needle, gauge 20	
		2-Way Valve for sampling	
		Stainless Steel Hamilton 90220 side port, gauge 20	
Screen Assembly	8	1/4"x1/4"x24" Plexiglass channels	Primarily for support of the fine screen and frit material
	2	3/4"x2"x24" Frit Material	
	2	2"x24" Flat heavy duty screen material	
	2	2"x24" Fine screen material	