

App. Note

Replacement Configurations for Varian E220, E500, HP and EHP Series Arc Chamber

- Replacement Varian E220, E500, HP and EHP arc chambers are available in standard and wide versions.
- [Page 2](#) of this document lists various OEM insulator configurations and equivalent EG item numbers.
- [Page 3](#) illustrates the different filament screw options.

Assemblies

[1.08.100](#) Bernas Ion Source Components

[1.08.105](#) Freeman Ion Source Components

(1.75" Top Plate)	Components	Components	Components	Comment
Top Plate	39068	39068		
Bottom Plate	39419	39419	59087	tungsten
Side Plate	39172	69188	58853	W, Bernas only
End Cap (Filament)	39146	-	-	-
End Cap (Repeller - Bernas)	-	69227	-	-
Filament Shield	38158	-	-	-
Inner Plate, Filament	-	-	-	-
Inner Plate, Repeller	-	-	-	-

Wide Version Ion Source (2.00" Top Plate)	Bernas (tungsten) Components	Bernas (moly) Components	Alternate Components	Alternate Comment
Top Plate	58710	69799	-	-
Bottom Plate	74440	69838	77846/76858	vaporizer
Side Plate	58853	69188	-	-
End Cap (Filament)	59074	69175	-	-
End Cap (Repeller)	59022	69227	-	-
Inner Plate, Filament	77469	79601	59061	.380 inch hole
Inner Plate, Repeller	77456	79588	59035	.380 inch hole

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