

Send in the Replacement



ASTG 13000 Series Scrubber

Replacement for Spectra 5100 Series Scrubbers

Our 13000 Series Scrubber Canisters are of slightly larger diameter (4.5" vs 4.0") than the Spectra Gases® / Linde® 5100 series scrubbers. The canister has a lower height to accommodate the same volume of media as the Spectra-Gas® / Linde® scrubbers. This allows the optional secondary scrubber to be installed in the same assembly while still meeting the same overall fitting-to-fitting dimension. If the secondary scrubber is not required for a specific application, or an external unit is preferred, a spool piece will be inserted to maintain the same fitting-to-fitting dimension.

1/4", 3/8" and 1/2" Swagelok Compression fittings or 1/4" or 1/2" male or female VCR connections can be supplied on the 13000 Series scrubbers. The canister itself is constructed with a 3/4" FNPT outlet and a 1/2" FNPT inlet. This allows a variety of end connection choices while holding the overall length from fitting-to-fitting the same.

Design Features:

- Dual scrubber elements available
- Scrubber media specifically formulated for Laser Gases

Messer 13000 Series Scrubbers

Scubber Media:

Fluorine Laser Gas Mixes

Laser gas mixtures containing Fluorine are reacted on Alumina to form Aluminum Fluoride. A secondary adsorber filled with Calcium Sulphate is used to capture any HF released as a by-product of the Alumina to Aluminum Fluoride reaction.

Hydrochloric Acid Laser Gas Mixes

Laser gas mixtures containing HCl are adsorbed on Activated Carbon impregnated with Potassium Iodide, or a bed consisting of 2/3rd Activated Carbon and 1/3rd Granular Potassium Iodide. A secondary adsorber filled with Calcium Sulfate is used to capture any trace Chlorides and Bromides that may be released during adsorption.



Gas Management Solutions

REPLACEMENT SCRUBBER CANISTER

1/4", 3/8" and 1/2" Swaglock Compression fittings or 1/4" or 1/2" male or female VCR connections can be supplied

Messer Scrubber Canister Number Selector

(Model Number Sequence Selector – A–B–C–D)

A	B	C	D
Scrubber Series	Media Options:	Inlet Connection:	Outlet Connection:
50 – 50000 Series	1 – Activated Alumina – no secondary Scrubber	1 – 1/4" Swagelok	1 – 1/4" Swagelok
13 – 13000 Series	2 – Activated Alumina – with secondary Scrubber	2 – 3/8" Swagelok	2 – 3/8" Swagelok
	3 – KI Impregnated Activated Carbon – no secondary Scrubber	3 – 1/2" Swagelok	3 – 1/2" Swagelok
	4 – KI Impregnated Activated Carbon – with secondary Scrubber	4 – 1/4" MVCR	4 – 1/4" MVCR
	5 – 2/3 Activated Carbon 1/3 Granular KI – no secondary Scrubber	5 – 1/4" FVCR	5 – 1/4" FVCR
	6 – 2/3 Activated Carbon 1/3 Granular KI – with secondary Scrubber	6 – 1/2" MVCR	6 – 1/2" MVCR
		7 – 1/2" FVCR	7 – 1/2" FVCR

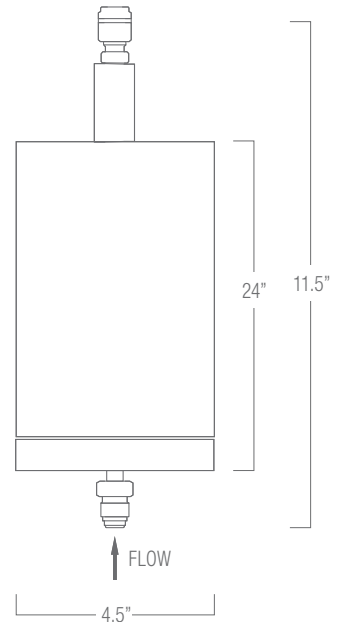
Contact Messer for additional information

regarding our 13000 Series Scrubber Canisters about other Messer products and specialty gas services.



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