

## Culinary steam element upgrades for carbon tube installations.

As a leading global filtration supplier since 1915 and a provider of steam filtration solutions for many food and beverage production industry leaders, Donaldson is proud to now offer steam element upgrades for carbon tube installations. By leveraging Donaldson's stainless steel media GSL N technology, production facilities will be able to exceed the 3-A guideline for culinary steam while still meeting the filtration requirements specified by the Pasteurized Milk Ordinance (PMO) for culinary steam.

- GSL N elements pleated stainless steel media construction will not shed carbon particles into the process
- More filtration surface with pleated media design



GSL N

FEATURES	BENEFITS
Culinary grade steam as defined by 3-A; 95% efficient at 2 micron	Donaldson's 2 micron culinary grade elements are 99.9% efficient at 2 microns and exceed 3-A requirements
Fibrous 316L stainless steel media	Will not shed carbon particles into the process
Pleated media construction	Increased filtration surface area for lower differential pressure
Regeneration through ultra-sonic baths or pressure washing	Easily extend the life of the element through cleaning
Robust stainless steel construction	Less risk of cracking, shattering or chipping than traditional carbon. Rated for use up to 700°F with standard gasket.



Carbon tube elements often shed carbon particles into the process stream, creating downstream contamination and requiring additional filtration to remove the particles.

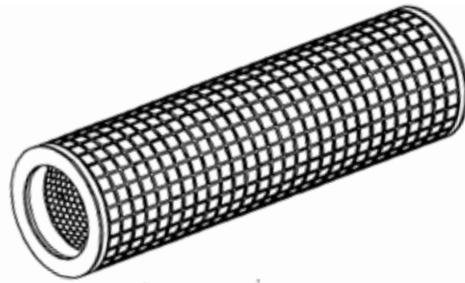
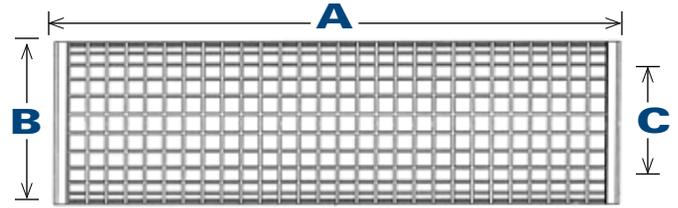
Donaldson's GSL N stainless steel design does not shed particles, which reduces possible contamination downstream of your process.

## APPLICATIONS

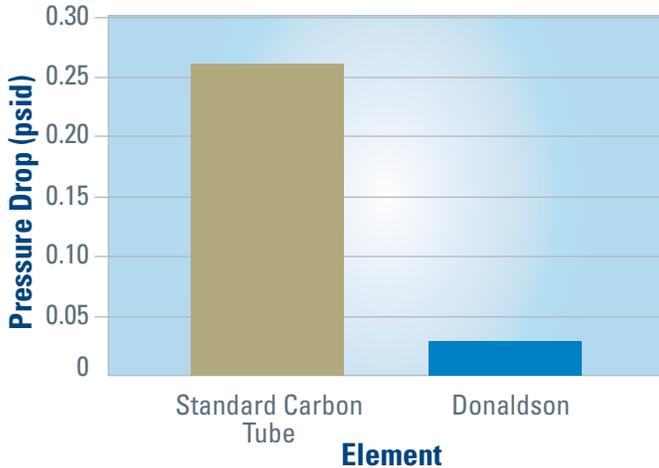
- Dairy
- Beverage
- Pharmaceutical
- Processed foods
- Chemical
- Fermentation

## SPECIFICATIONS

Donaldson Element Upgrade Model Number	DOE CONNECTION				Competitor Carbon Tube Housing Model Number	Competitor Carbon Tube Element Model Number
	Filter Size	Dimensions (inches)				
		Length A	Outer Diameter B	Inner Diameter C		
AG1252220	04/2.5	4	2.5	1.75	1/2" GP-22 & 3/4" GP-31	121789
AG1252232	06/2.5	6	2.5	1.75	1" GP-47	121790
AG1252244	09/3.5	9	3.5	2.5	1 1/2" GP-99	121791
AG1252256	12/3.5	12	3.5	2.5	2" GP-132	121792
AG1252292	18/4.5	18	4.5	3	6" GP-1527	25418-001
AG1252268	20/4.5	20	4.5	3.25	3" GP-283	121959
AG1252208	24/4.5	24	4.5	3	6" GP-1527	104424
AG1252277	36/4.5	36	4.5	3	4" GP-508	18144-001



### Initial Element Pressure Drop



Donaldson's GSL N element reduces the differential pressure by 8X.

### MATERIAL COMPLIANCE

All components of the P-GSL N filter element are FDA listed for food contact use in the Code of Federal Regulations (CFR), Title 21. All products have been inspected and released by Quality Assurance as meeting the requirements. All filters are fabricated without the use of binders, adhesives, additives or surface-active agents.

#### Important Notice

Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, specifications, availability and data are subject to change without notice, and may vary by region or country.



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F117072 ENG (06/18) GSL N Steam Elements vs. Carbon Tubes Competitor Comparison

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{Contains Donaldson proprietary technology.}