

# PG-EG

### **SANITARY FILTER HOUSINGS**

Compressed Air & Process Filtration

#### Stainless steel gas filter housing for sanitary applications.

Donaldson® PG-EG Sanitary Gas filter housings are designed for purification of compressed air and technical gases in the pharmaceutical, biotechnology, chemical, electronic, and food and beverage industries. PG-EG single round filter housings are equipped with sanitary Tri-Clamp®\* connections and have an electropolished surface finish of Ra 32. The top vent is sealed with a pharma plug, while the bottom condensate drain is equipped with a pharma valve. (PG-EG filter housings are designed to yield low differential pressures at high flow rates.) Our multi-round housings are nitric passivated to Ra 32. They come standard with ANSI flange connections.

PG-EG sanitary filter housings are available in 12 different sizes with gas capacity ranging from 36 to 12,672 scfm at 100 psig, and steam capacity ranging from 100-17,100 lbs/hr at 50 psig. Optional connections are also available to adapt the filter to meet your specific requirements. Standard housings utilize Donaldson filter elements with 2-inch, double o-ring, plug-in connections. A broad selection of filter elements is available to meet the compatibility and micron rating requirements of your process.



#### **SPECIFICATIONS**

MATERIALS							
Filter Housing	316L stainless steel						
Clamp	304 stainless steel						
Pharma Plug (if applicable)	316 stainless steel						
Pharma Valve (if applicable)	316 stainless steel						
Housing Gasket	EPDM						

DESIGN PRESSURE AND TEMPERATURE					
Tri-Clamp Housings	232 psig at 392°F				
ANSI Flange Housings	150 psig at 450°F				

3-A SANITARY CERTIFIED					
Models 0006-0192	3-A stamped				

<sup>\*</sup> Tri-Clamp is a registered trademark of Ladish Company.

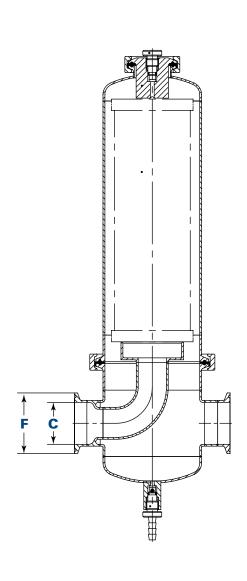
SURFACE FINISH - INNER/	DUTER
PG-EG 0006-0192	Electropolished to Ra 32
PG-EG 0432-1920	Nitric passivated to Ra 32

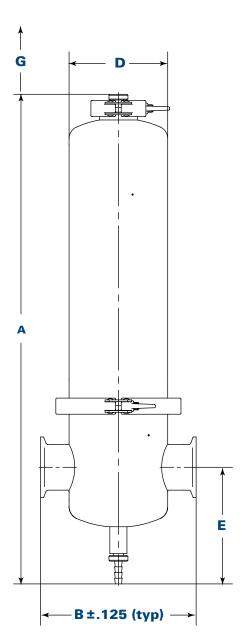
CONNECTIONS	VENT	DRAIN
PG-EG 0006-0192	DN 20 Tri-Clamp with 1/8" BSP Pharma Plug	1/8" BSP Pharma Valve
PG-EG 0032-0192	1 1/2" Tri-Clamp with 1/4" BSP plug	1/4" BSP Pharma Valve
PG-EG 0432-1920	1/2" Tri-Clamp with cap for vent and drain	

CONNECTION TYPES
Tri-Clamp (up to PG-EG 0192)
ANSI Flange (PG-EG 0432 and up)
Weld End (optional)

Other connections and larger housings are available on request.

# **DIMENSIONS**



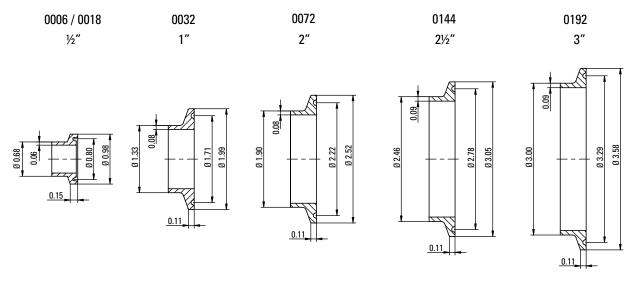


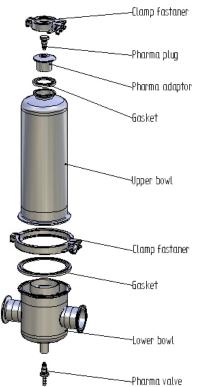
with Tri-Clamp Connection 3-A certified

	Walama	VA/-:		Dimensions (inches)						Quantity &
Size	Volume (gal)	Weight* (lb)	Α	В	øC	øD	Е	øF	G	Element Size
0006	0.16	3.3	11.40	4.72	0.50	2.76	3.76	1.00	5.9	1 x 03/10
0018	0.21	3.8	13.50	4.72	0.50	2.76	3.76	1.00	8.0	1 x 05/20
0032	0.50	5.0	16.20	6.40	1.00	4.10	4.84	2.00	9.0	1 x 05/30
0072	0.90	6.5	21.20	6.50	2.00	4.10	4.84	2.52	14.2	1 x 10/30
0144	1.43	10.0	32.40	8.14	2.50	4.10	5.43	2.96	24.0	1 x 20/30
0192	1.95	12.5	41.00	8.14	3.00	4.10	5.43	3.60	33.9	1 x 30/30

<sup>\*</sup> Without filter element

### **CLAMP CONNECTION**







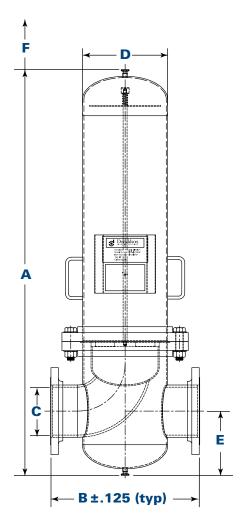








### **DIMENSIONS**



with ANSI Flange Connection ASME Code Stamped

	187 ° 1 ° 1	Dimensions (inches)						
Size	Weight* (lbs)	А	В	øC**	øD	Е	F	Element Size
0432	140	38.0	16.14	4	8.6	7.3	23	3 x 20/30
0576	183	48.8	16.14	4	8.6	7.3	33	3 x 30/30
0768	292	51.5	18.90	6	10.8	8.1	33	4 x 30/30
1152	360	55.7	21.26	6	12.8	9.3	33	6 x 30/30
1536	616	59.5	26.00	8	16.0	12.8	33	8 x 30/30
1920	616	59.7	26.00	8	16.0	12.8	33	10 x 30/30

- \* Without filter element
- \*\* 150 lb, ANSI B 16.5



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