



**Donaldson**  
FILTRATION SOLUTIONS

**SG**  
**COMPRESSED AIR**  
**FILTER HOUSINGS**

Process Filtration

**Steel flanged filter housings designed for the purification of compressed air and gases in industrial operations.**

Donaldson® SG steel filter housings are equipped with all of the features required to make this the most efficient and cost-effective filter for your compressed air system. The flanged housings offer low pressure drop through optimal flow-path design. The SG standard filter housings come with an Economizer differential pressure gauge and float drain. For increased energy savings, the SG is also available with an optional Economizer differential pressure gauge and Ultramat zero air-loss condensate drain.

Available in three different housing sizes from 1,728 to 4,608 scfm. Several different filter element types are available to meet specific purification requirements.



**SG Standard**  
with Float Drain and Economizer

FEATURES	BENEFITS
Three part housing design	Easy installation and maintenance
Optimized housing construction for lowest flow velocity	Low pressure drop saves in purification costs of compressed air and gases
Economizer with integrated microprocessor (optional)	Determines the most cost-effective time to exchange the filter element
UFM-D zero-loss condensate drain (optional)	Increased energy savings by allowing zero compressed air loss. Stores condensate external of filter housing, ensuring complete condensate removal from compressed air.

**SPECIFICATIONS**

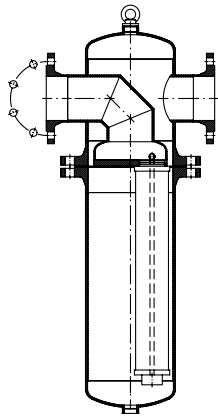
MATERIALS	
Filter Housing	Carbon steel
Differential Pressure Gauge - Economizer	Aluminum (Economizer optional)
Float Drain - UFM-P	Cast aluminum body, stainless steel float (UFM-D zero air-loss drain optional)
Housing Bowl Seal	Asbestos-free gaskets following ANSI B16.21
Surface Finish	Polyester powder coating
Connection	Flange 4" or 6" class 150, ANSI B 16.5, RF

DESIGN PRESSURE & TEMPERATURE
150 psig @ 150°F (standard)

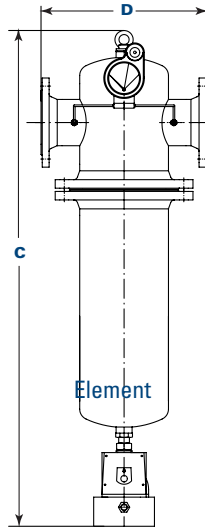
**CAPACITY CORRECTION FACTORS**

Operating Pressure (psig)	15	30	45	60	75	90	100	115	130	150	160	175	190	200	220	232
Correction Factor	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0	2.1

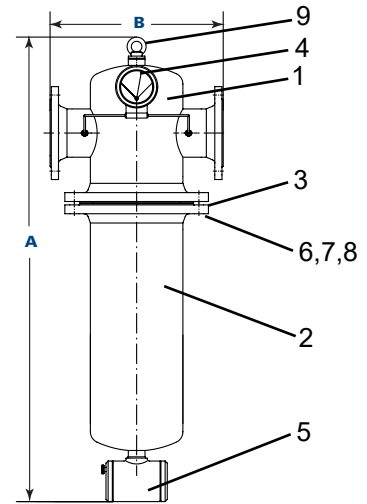
**DIMENSIONS**



SG Standard  
Cutaway View



SG Standard with Optional Ultramat  
UFM-D Zero Air-Loss Condensate  
Drain Valve and Economizer



SG Standard with Pneumatic  
Drain Valve and Econometer

Housing Size	Capacity* (scfm)	Connections (Flange)	Element		Dimensions (inches)			
			Size	Qty	Height A	Width B	Height C	Width D
0288	1,728	4"	3050	1	54	18	57	18
0432	2,592	4"	2030	3	43	16	49	16
0768	4,608	6"	3030	4	59	19	64	19

No.	Description
1	Upper housing bowl
2	Lower housing bowl
3	Housing gasket
4	Econometer
5	Drain - UFM-P float drain
6	Hexagon bolt
7	Hexagon nut
8	Washer
9	Lifting eye bolt

\* Capacity based on 100 psig inlet pressure.



**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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