

SG Compressed Air Filters

Steel 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 Econometer differential pressure gauge and pneumatic drain and are available with an optional Economizer differential pressure gauge and Ultramat zero air-loss condensate drain.

Available in three different housing sizes from 1728 to 4608 scfm. Several different filter element types are available to meet specific purification requirements.

Specifications

Materials

Filter Housings	Carbon Steel
Differential Pressure Gauge	Econometer (standard) Economizer (optional)
Drain	Pneumatic (standard) Ultramat UFM-T zero air-loss (optional)
Sealing	Asbestos-free sealing following ANSI 16.21
Surface Finish	Polyester powder coating
Connection	Flange 4" and 6" 150 lb., ANSI B 16.5, RF
Maximum Operating Pressure	150 psig (standard) and 250 psig (optional)
Maximum Operating Temperature	Designed and tested for a maximum operating temperature of 250°F



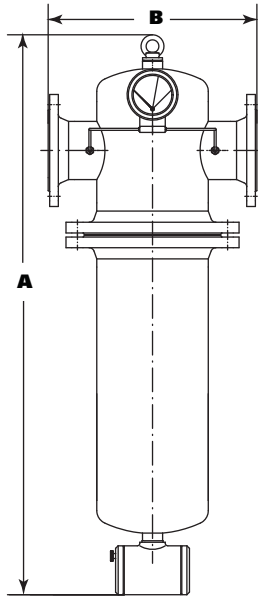
SG Standard with
Pneumatic Drain Valve
and Econometer



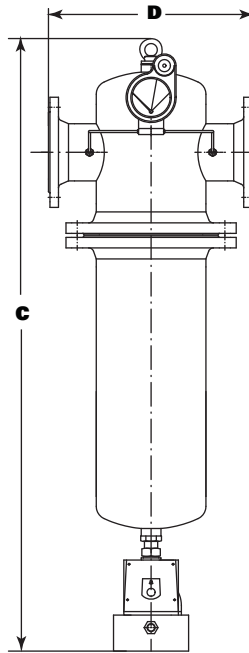
SG Standard w/Optional
Ultramat Zero Air-Loss Condensate
Drain Valve and Economizer

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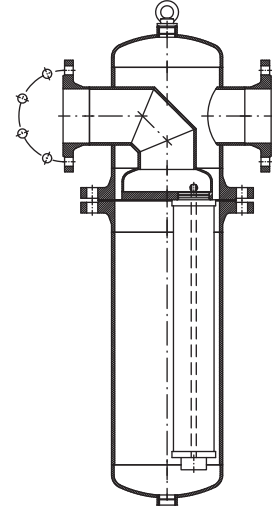
Dimensions



SG Standard with
Pneumatic Drain Valve
and Economizer



SG Standard w/Optional Ultramat
UFM-T Zero Air-Loss Condensate
Drain Valve and Economizer



SG Standard
Cutaway View

Housing Size	Capacity* (scfm)	Connections (inches FNPT)	Element	Dimensions (inches)			
				A	B	C	D
0288	1728	4	3050	54	18	55	18
0432	2592	4	2030	43	16	49	16
0768	4608	6	3030	59	19	64	19

* Capacity based on 100 psig inlet pressure.

Capacity Correction Factors

System Pressure (psig)	15	30	45	60	75	90	100	115	130	150	160	175	190	200	220	250
Correction Factor	0.25	0.36	0.5	0.6	0.75	0.9	1	1.1	1.2	1.4	1.5	1.6	1.75	1.9	2	2.1



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Bulletin No. UFSB0153
SG Compressed Air Filters 05-09