



**Donaldson**  
FILTRATION SOLUTIONS

# AG COMPRESSED AIR FILTERS

Compressed Air & Process Filtration

## Aluminum filter housings designed for the purification of compressed air and gases in industrial operations.

Donaldson® AG Aluminum 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. Its three-part aluminum housing design allows for easy disassembly and element changeout. Low pressure drop is achieved through optimal flow-path design. The tapered bowl and non-turbulent lower filter zone ensure that no condensate gets re-entrained in the airstream. The AG standard comes with an Econometer differential pressure gauge and a float type drain and is available with an optional programmable Economizer differential pressure gauge and Ultramat UFM-D zero air-loss condensate drain valve.

Available in three different filter housing sizes from 864 to 1728 scfm. Several different element types are available to meet specific purification requirements.



### AG Standard

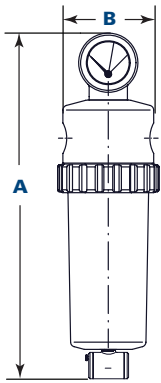
with Float-Type  
Condensate Drain Valve  
and Econometer

FEATURES	BENEFITS
Three part housing design	Easy installation and maintenance
Optimized housing construction for best 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

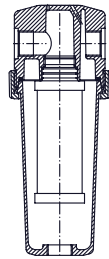
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## SPECIFICATIONS

MATERIALS		MAXIMUM OPERATING PRESSURE	
Filter Housing	Aluminum mold casting	150 psig (standard)	
Screw Locking Ring	Aluminum w/acoustic warning signal	232 psig (optional)	
Differential Pressure Gauge	Econometer		
Drain	Float type		
Sealing	Parting compound free o-ring made of Perbunan®*		
Surface Finish	Polyester powder coating		
Connection	2½-inch to 3-inch FNPT	MAXIMUM OPERATING TEMPERATURE	
		Filter Housing	250°F
		Standard Econometer + Float Drain	160°F



AG Standard  
with Float-Type Condensate  
Drain Valve and Econometer



AG Standard  
Cutaway View

Housing Size	Capacity <sup>1</sup> (scfm)	Connections (inches FNPT)	Dimensions (inches)		Element Size
			A	B	
0144	864	2.5	37	7	2030
0192	1152	3.0	47	7	3030
0288	1728	3.0	47	8	3050

<sup>1</sup> 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	232
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

\* Perbunan is a registered trademark of LANXESS Deutschland GmbH.



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