



Donaldson
FILTRATION SOLUTIONS

AG

COMPRESSED AIR FILTERS

Compressed Air & Process Filtration

Aluminum NPT 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. For increased energy savings, the AG is also 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 1,728 scfm. Several different element types are available to meet specific purification requirements.



AG Standard

with Float-Type
Condensate Drain Valve
and Econometer

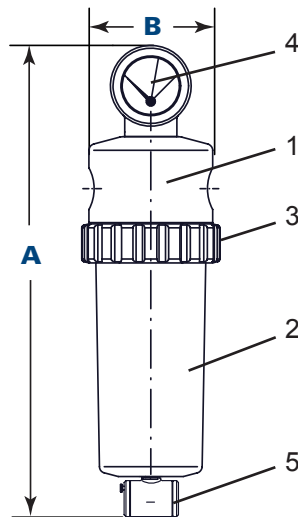
FEATURES	BENEFITS
Three part housing design	Easy installation and maintenance
Optimized housing construction for lowest flow velocity	Low pressure drop saves in purification costs of compressed air and gases
Economizer with integrated microprocessor (optional)	Determines the most cost-effective time 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	Aluminum die cast
Screw Locking Ring	Aluminum with acoustic warning signal
Differential Pressure Gauge - Econometer	Aluminum
Drain - UFM-P	Cast aluminum body, stainless steel float
Sealing	Perbunan®* o-ring
Surface Finish	Polyester powder coating
Connection	2½-inch and 3-inch FNPT

DESIGN PRESSURE & TEMPERATURE
250 psig @ 150°F

No.	Description
1	Upper Housing Bowl
2	Lower Housing Bowl
3	Screw Locking Ring
4	Econometer
5	Drain - UFM-P Float Drain



**AG Standard
Cutaway View**

AG Standard

Housing Size	Capacity ¹ (scfm)	Connections (inches, FNPT)	Dimensions (inches)		Element Size
			Height (A)	Width (B)	
0144	864	2½"	37	7	2030
0192	1,152	3"	47	7	3030
0288	1,728	3"	47	8	3050

¹ 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	0.3	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

* Perbunan is a registered trademark of LANXESS Deutschland GmbH.



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