



BURGESS-MANNING

Burgess-Manning, Inc., Subsidiary of Nitram Energy, Inc.
227 Thorn Avenue, Orchard Park, NY 14127
Phone: (716) 662-6540 Fax: (716) 662-6548 Website: www.burgess-manning.com

MODEL BAF - Air Filter

Burgess-Manning Industrial Air Intake Filters

Description:

Burgess-Manning Model BAF air filters are designed for use in conjunction with an inlet silencer on rotary positive blowers, engines and air compressors. The model BAF can be configured with an interchangeable polyester, paper or wire mesh filter element to best fit your application. While the BAF is strictly an air filter, the model BAFS is also available which includes a silencing section for applications with more stringent noise requirements.

Features:

- Fully drawn weatherhood - no welds to rust or vibrate apart
- Low entrance velocity between base and weatherhood
- Center yolk bracket located for minimal flow restriction
- Durable heavy gauge base with low pressure drop yolk and pipe design
- Interchangeable elements
- Available as filter (BAF) only or filter-silencer (BAFS)

Specifications:

Typical Sizes:	1/2" - 6"
Flow Capacity:	10-1,100 ACFM
Available Filter Element Media:	Polyester, Paper, or Wire Mesh
Standard End Connections:	NPT or 125# ANSI Flanged
Standard Material of Construction:	Carbon Steel
Finish:	Baked enamel finish and powder coated weatherhood



Figure 1.0
Typical Burgess-Manning model BAF filter

Theory of Operation:

Intake air is drawn under the integrated weatherhood through a pleated replaceable filter element for extended low pressure drop service.



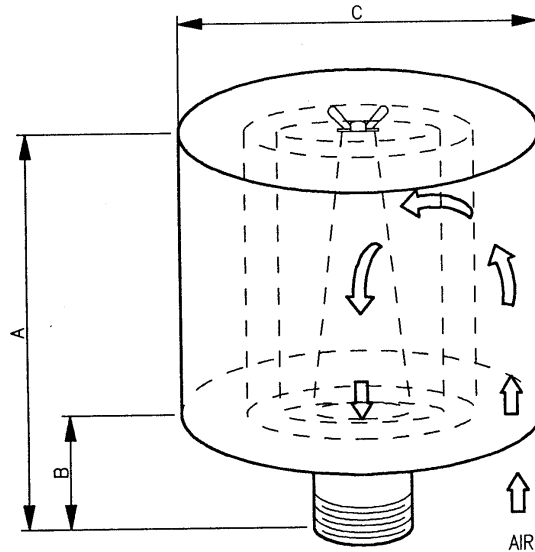
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With Polyester Element	With Paper Element	With Wire Mesh Element	EFFECTIVE SURFACE AREA OF ELEMENT IN FT ²		APPLICATION CFM		NPT Connection	Est. Wt (lbs.)	DIMENSIONS		
			Polyester	Paper	Pulsating Flow	Continuous Flow			A	B	C
BAF-2015-050	BAF-1014-050	BAF-3014S-050	.5	.9	10	10	1/2"	1.5	4"	1-1/2"	6"
BAF-2015-075	BAF-1014-075	BAF-3014S-075	.5	.9	20	25	3/4"	1.7	4"	1-1/2"	6"
BAF-2019P-100	BAF-1018P-100	BAF-3018S-100	1.5	3.0	25	35	1"	2.9	6-1/2"	1-1/2"	6"
BAF-2019P-125	BAF-1018P-125	BAF-3018SP-125	1.5	3.0	55	70	1-1/4"	3	6-1/2"	1-1/2"	6"
BAF-2019P-150	BAF-1018P-150	BAF-3018SP-150	1.5	3.0	70	85	1-1/2"	3.1	6-1/2"	1-1/2"	6"
BAF-2031P-200	BAF-1030P-200	BAF-3030SP-200	2.3	5.7	85	135	2"	4.7	7-1/4"	2-1/4"	7-3/4"
BAF-2031P-250	BAF-1030P-250	BAF-3030SP-250	2.3	5.7	100	195	2-1/2"	5.5	7-1/2"	2-1/2"	7-3/4"
BAF-2035P-300	BAF-1034P-300	BAF-3034SP-300	4.5	10.9	300	300	3"	14	9"	3"	10"
BAF-2035P-400	BAF-1034P-400	BAF-3034SP-400	8.3	22.8	300	520	4"	15	9"	4"	10"
BAF-2045P-500	BAF-1044P-500	BAF-3044SP-500	14.0	35.5	500	800	5"	23	9"	4.5"	16"
BAF-2075P-600	BAF-1074P-600	BAF-3074SP-600	19.0	45.4	650	1100	6"	29	14"	5.25"	16"

- Notes:
- Specifications subject to change without notice
 - NPT end connections available thru 6"
 - Flanged end connections available above 3"