

PNEUMATIC EXHAUST MUFFLER

BM-SERIES

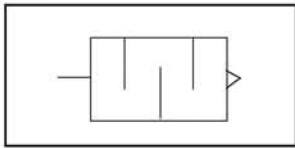


BM-Series mufflers utilize porous sintered bronze filter element secured to BRASS pipe fittings. These compact and inexpensive mufflers are furnished with standard male pipe thread connections, they are easy to install and maintain, particularly suitable where space is limited. They are used to diffuse air and muffle noise from the exhaust ports of air valves, air cylinders and air tools to an acceptable level within OSHA noise requirements.

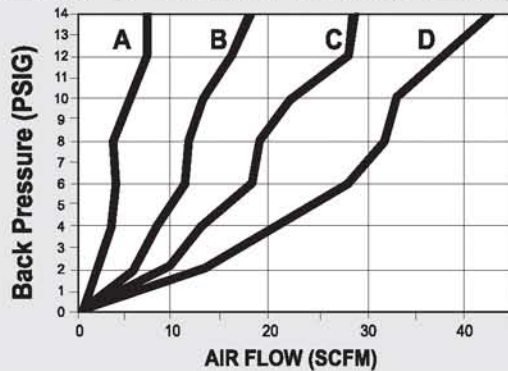
BM-Series mufflers can also be used as filters for gasoline, oil and air exhaust and intake filtering; coalescing of oil mist or water vapor, etc.; cryogenic phase separation; pressure of vacuum equalization and many others.

Unit should be mounted in a protective position free from excessive vibration. Use wrench on hex head to tighten unit to the device. Standard unit contains a 40 micron element, 10 or 90 micron units are available on special order.

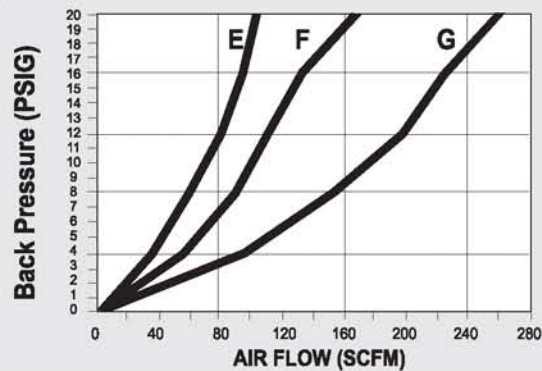
Symbol



FLOW CHARACTERISTICS - PNEUMATIC EXHAUST MUFFLER



A:BM-08
B:BM-18
C:BM-28
D:BM-38



E:BM-48
F:BM-68
G:BM-88

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SOUND CHARACTERISTICS - PNEUMATIC EXHAUST MUFFLER

BACK PRESSURE (PSIG)	BM-08		BM-18		BM-28		BM-38		BM-48		BM-68		BM-88	
	FLOW (scfm)	db	FLOW (scfm)	db	FLOW (scfm)	db	FLOW (scfm)	db	FLOW (scfm)	db	FLOW (scfm)	db	FLOW (scfm)	db
2	1.1	72	7	72	10	73	12	74	26.6	75	39.4	76	67	93
4	2.3	72	9	73	12	74	20	74	39.5	76	62	80	104	95
6	3.6	72	11	73	17	74	26	74	49.9	77	80.7	88	134	97
8	5.0	73	12	73	19	74	31	75	60.9	80	97	93	154	100
10	5.2	73	13	74	23	75	35	76	71.3	86	110.2	96	181	101
12	7.4	74	15	74	23	75	39	76	79.5	87	121.3	97	210	102
14	8.0	74	17	75	29	76	43	77	86.6	90	136.9	98	231	105
16	---	---	---	---	---	---	---	---	93.9	92	144.5	99	231	105
18	---	---	---	---	---	---	---	---	102.8	95	160.9	100	246	105
20	---	---	---	---	---	---	---	---	107.5	95	169.1	100	261	105

*All tests are performed by Consolidated Laboratories, Inc.

HOW TO ORDER

BM

Bronze Muffler



Connection
08=10-32, 18=1/8"
28=1/4", 38=3/8"
48=1/2", 68=3/4"
88=1", 128=1-1/4", 148=1-1/2"



None=NPT (Inch)
P=BSPP (Metric)



None=Brass fitting /
Bronze element
N=Nickel plated fitting
NP=Nickel plated fitting
and element

SPECIFICATIONS (Male Thread)

ITEM	MODEL	BM-08*	BM-18	BM-28	BM-38	BM-48	BM-68	BM-88	BM-128	BM-148
CONNECTION	NPT	10-32NF	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"
OVERALL LENGTH	IN.	3/4"	29/32"	1-5/16"	1-9/16"	1-7/8"	2-9/32"	2-57/64"	3-7/16"	4"
HEX	IN.	5/16"	7/16"	9/16"	11/16"	7/8"	1-9/64"	1-11/32"	1-3/4"	2"
MATERIAL	BODY	BRASS								
	ELEMENT	SINTERED BRONZE (40 micron standard, also available in 10 or 90 micron)								
MAX. OPERATING PRESSURE		300 PSI (21.1 kg/cm ²)								
OPERATING TEMPERATURE		35~ 300°F (1.6~ 149°C)								
WEIGHT (APPROX.)	OZ.	0.16	0.26	0.56	0.93	1.47	2.96	4.16	9.5	13.75
UNIT PACK	EA.	10	10	10	10	5	1	1	1	1

* SUPPLY WITH GASKET

HOW TO ORDER

BM

Bronze Muffler



SAE#



Connection (SAE)
4 = 7/16"-20
6 = 9/16"-18
8 = 3/4"-16

SPECIFICATIONS (SAE Thread)

ITEM	MODEL	BM-SAE#4	BM-SAE#6	BM-SAE#8
CONNECTION	SAE	7/16"-20	9/16"-18	3/4"-16
OVERALL LENGTH	IN.	1-11/32"	1-17/32"	1-55/64"
HEX	IN.	9/16"	11/16"	7/8"
MATERIAL	BODY	BRASS		
	ELEMENT	SINTERED BRONZE (40 micron)		
MAX. OPERATING PRESSURE		300 PSI (21.1 kg/cm ²)		
OPERATING PRESSURE		35~ 300°F (1.6~ 149°C)		
WEIGHT (APPROX.)	OZ.	0.60	0.95	1.55
UNIT PACK	EA.	50	50	50

HOW TO ORDER

FBM

Female Bronze Muffler



Connection (NPTF)
18 = 1/8", 28 = 1/4"
38 = 3/8", 48 = 1/2"

SPECIFICATIONS (Female Thread)

ITEM	MODEL	FBM-18	FBM-28	FBM-38	FBM-48
CONNECTION	NPTF	1/8"	1/4"	3/8"	1/2"
OVERALL LENGTH	IN.	1-5/16"	1-37/64"	1-57/64"	2-9/16"
HEX	IN.	9/16"	11/16"	7/8"	1-9/64"
MATERIAL	BODY	BRASS			
	ELEMENT	SINTERED BRONZE (40 micron)			
MAX. OPERATING PRESSURE		300 PSI (21.1 kg/cm ²)			
OPERATING TEMPERATURE		35~ 300°F (1.6~ 149°C)			
WEIGHT (APPROX.)	OZ.	0.71	1.22	2.10	4.50
UNIT PACK	EA.	5	5	5	5