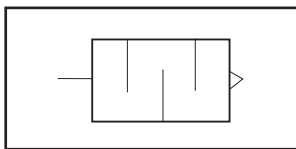


BM-Series, Sintered Bronze Exhaust Muffler



Symbol



BM-Series mufflers utilize porous sintered bronze filter element secured to standard pipe fittings. These compact and inexpensive mufflers 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; 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, and 10 or 90 micron units are available on special order.

HOW TO ORDER

BM — —

Bronze Muffler (Brass Fitting) **Connection** **Port Option**

08 = 10-32 UNF **None = NPT**

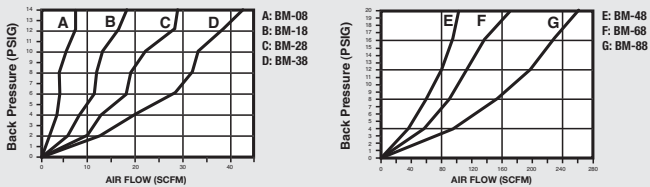
16 = 1/16", 18 = 1/8" **P = BSPT**

28 = 1/4", 38 = 3/8" **G = BSPP**

48 = 1/2", 68 = 3/4"

88 = 1"

FLOW CHARACTERISTICS - PNEUMATIC EXHAUST MUFFLER



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SPECIFICATIONS

ITEM	MODEL	BM-08	BM-16	BM-18	BM-28	BM-38	BM-48	BM-68	BM-88
CONNECTION	NPTM	10-32UNF	1/16"	1/8"	1/4"	3/8"	1/2"	3/4"	1"
OVERALL LENGTH	IN.	3/4"	53/64"	29/32"	1-5/16"	1-17/32"	1-57/64"	2-9/32"	2-57/64"
HEX	IN.	5/16"	3/8"	7/16"	9/16"	11/16"	7/8"	1-9/64"	1-11/32"
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)							
OPERATION TEMPERATURE		35° ~ 300°F (1.6° ~ 149°C)							
WEIGHT (APPROX.)	Oz.	0.12	0.15	0.26	0.56	0.93	1.47	2.96	4.16
UNIT PACK	EA.	10	10	10	10	10	5	1	1

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		62.0	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		97.0	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.

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BM-Series, Sintered Bronze Exhaust Muffler



HOW TO ORDER

BMS

Bronze Muffler
(Steel Fitting)

Connection (NPTM)

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"

200 = 2"

Port Option

None = NPT

P = BSPT

SPECIFICATIONS

ITEM	MODEL	BMS-18	BMS-28	BMS-38	BMS-48	BMS-68	BMS-88	BMS-128	BMS-148	BMS-200
CONNECTION	NPTM	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
OVERALL LENGTH	IN.	29/32"	1-5/16"	1-17/32"	1-57/64"	2-9/32"	2-57/64"	3-15/32"	4"	4-9/16"
HEX	IN.	7/16"	9/16"	11/16"	7/8"	1-9/64"	1-11/32"	1-3/4"	1-31/32"	2-3/8"
MATERIAL	BODY	ZINC-PLATED STEEL (Zn-Fe)								
	ELEMENT	SINTERED BRONZE (40 micron standard, also available in 10 or 90 micron)								
MAX OPERATING PRESSURE		300 PSI (21.1 kg/cm ²)								
OPERATION TEMPERATURE		35°~ 300°F (1.6°~ 149°C)								
WEIGHT (APPROX.)	OZ.	0.26	0.51	0.89	1.50	2.98	4.70	9.31	12.91	17.6
UNIT PACK	EA.	10	10	10	5	1	1	1	1	1



HOW TO ORDER

FBMS

Female Bronze Muffler
(Steel Fitting)

Connection (NPTF)

18 = 1/8", 28 = 3/4"

38 = 3/8", 48 = 1/2"

SPECIFICATIONS

ITEM	MODEL	FBMS-18	FBMS-28	FBMS-38	FBMS-48
CONNECTION	NPTF	1/8"	1/4"	3/8"	1/2"
OVERALL LENGTH	IN.	1-5/16"	1-37/64"	1-57/64"	2-5/16"
HEX	IN.	9/16"	11/16"	7/8"	1-5/32"
MATERIAL	BODY	NICKEL-PLATED STEEL (Ni-Fe)			
	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	1.2	2.08	4.44
UNIT PACK	EA.	5	5	5	5



HOW TO ORDER

BM-SAE#

Bronze Muffler
(Brass Fitting)

Connection (SAE)

4 = 7/16"-20, 6 = 9/16"-18

8 = 3/4"-16, 12 = 1-1/16"-12

SPECIFICATIONS

ITEM	MODEL	BM-SAE#4	BM-SAE#6	BM-SAE#8	BM-SAE#12
CONNECTION	SAE	7/16"-20	9/16"-18	3/4"-16	1-1/16"-12
OVERALL LENGTH	IN.	1-11/32"	1-17/32"	1-55/64"	2-29/32"
HEX	IN.	9/16"	11/16"	7/8"	1-11/32"
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.	0.60	0.95	1.55	5.05
UNIT PACK	EA.	50	50	50	50