

BM-Series Sintered Bronze Exhaust Muffler

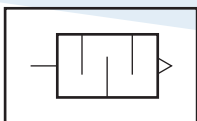
BM-Series muffler utilize porous sintered bronze filter element secured to standard pipe fittings. These compact and inexpensive mufflers are easy to install and maintain, particularly suitable where space is limited. They are used to diffuse air and muffler noise from the exhaust ports of air valves, 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.



SYMBOL



California Proposition 65 Warning

WARNING: This product can expose you to chemicals, including lead, which is known to the state of California to cause Cancer, Birth Defects or other reproductive harm. For more information go to www.p65warnings.ca.gov

HOW TO ORDER

BM — ☐ ☐ — ☐ ☐ — ☐ ☐

Bronze Muffler **Connection** **Port Option** **Element Porosity**

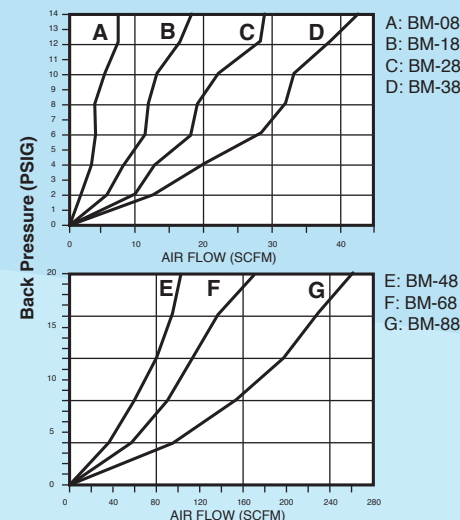
(Brass Fitting) 08 = 10-32, 16 = 1/16" None = NPT None = 40um

18 = 1/8", 28 = 1/4" P = BSPT 10 = 10um

38 = 3/8", 48 = 1/2" G = BSPP 90 = 90um

68 = 3/4", 88 = 1"

FLOW CHARACTERISTICS PNEUMATIC EXHAUST MUFFLER



SPECIFICATIONS

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ITEM	MODEL	BM-08	BM-16	BM-18	BM-28	BM-38	BM-48	BM-68	BM-88
CONNECTION	NPTM	10-32UNF	1/16"-27	1/8"-27	1/4"-18	3/8"-18	1/2"-14	3/4"-14	1"-11.5"
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)							
OPERATING 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

	BM-08			BM-18			BM-28			BM-38			BM-48			BM-68			BM-88		
BACK PRESSURE (PSIG)	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	97		210	102	
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	

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*All tests are performed by Consolidated Laboratories, Inc.

BM-Series Sintered Bronze Exhaust Muffler



Lower cost zinc - plated steel fitting

HOW TO ORDER

BMS

Bronze Muffler
(Steel Fitting)



Connection

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"-27	1/4"-18	3/8"-18	1/2"-14	3/4"-14	1"-11.5	1-1/4"-11.5	1-1/2"-11.5	2"-11.5
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 ELEMENT	ZINC-PLATED STEEL (Zn-Fe) SINTERED BRONZE (40 micro standard only)								
MAX OPERATING PRESSURE		300 PSI (21.1 kg/cm ²)								
OPERATING 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	17.60
UNIT PACK	EA.	10	10	10	5	1	1	1	1	1



HOW TO ORDER

BM

Bronze Muffler
(Brass Fitting)

SAE# ☐ ☐

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 ELEMENT	BRASS SINTERED BRONZE (40 micron)			
MAX OPERATING PRESSURE		300 PSI (21.0 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

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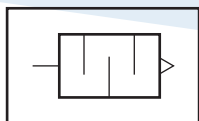
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Bronze Muffler Connection Port Option Element Porosity

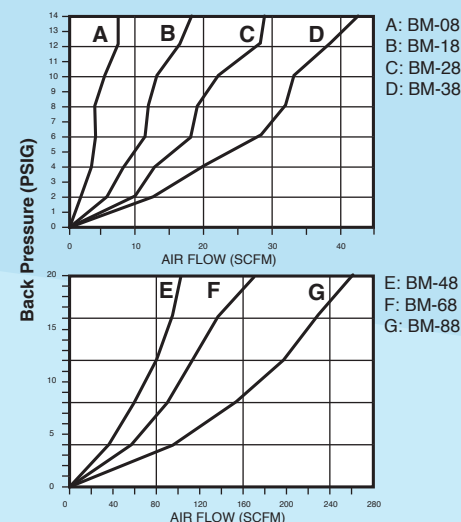
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FLOW CHARACTERISTICS PNEUMATIC EXHAUST MUFFLER



SPECIFICATIONS

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ITEM	MODEL	BM-08	BM-16	BM-18	BM-28	BM-38	BM-48	BM-68	BM-88
CONNECTION	NPTM	10-32UNF	1/16"-27	1/8"-27	1/4"-18	3/8"-18	1/2"-14	3/4"-14	1"-11.5"
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)							
OPERATING 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	97		210	102	
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	

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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"-27	1/4"-18	3/8"-18	1/2"-14	3/4"-14	1"-11.5	1-1/4"-11.5	1-1/2"-11.5	2"-11.5
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 ELEMENT	ZINC-PLATED STEEL (Zn-Fe) SINTERED BRONZE (40 micro standard only)								
MAX OPERATING PRESSURE		300 PSI (21.1 kg/cm ²)								
OPERATING 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	17.60
UNIT PACK	EA.	10	10	10	5	1	1	1	1	1



HOW TO ORDER

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Bronze Muffler
(Brass Fitting)

SAE# ☐ ☐

Connection (SAE)

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

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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 ELEMENT	BRASS SINTERED BRONZE (40 micron)			
MAX OPERATING PRESSURE		300 PSI (21.0 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