

Sintered Bronze Silencers

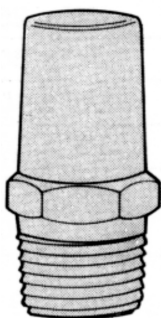
SBM muffler-filters utilize porous sintered bronze directly bonded to pipe thread fittings to diffuse air and muffle noise from the exhaust ports of valves, cylinders, and air tools.

These units offer a combination of small size with the greatest possible sound deadening qualities to reduce exhaust noise to acceptable levels within OSHA noise requirements.

Maximum operating pressure 300 psi.

Operating temperatures 35°F to 300°F

40 micron

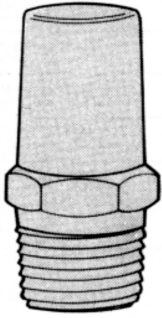


Model	Size
SBM-M	10-32
P18	1/8"
P28	1/4"
P38	3/8"
P48	1/2"
P68	3/4"
P88	1"
P108	1 1/4"
P128	1 1/2"
P168	2"

Model	Size
SBM-M	10-32
SBM-1	1/8"
SBM-2	1/4"
SBM-3	3/8"
SBM-4	1/2"
SBM-6	3/4"
SBM-8	1"
SBM-10	1 1/4"
SBM-12	1 1/2"

	ARO	Arrow	Mosier	Norgren	Numatics	PH
		ASP-M	EM-M	10-32TH	POMN	EMM-5
P18	20312-1	ASP-1	EM-1	MS001A	P1MN	EMM-12
P28	20312-2	ASP-2	EM-2	MS002A	P2MN	EM-25
P38	20312-3	ASP-3	EM-3	MS003A	P3MN	EM-37
P48	20312-4	ASP-4	EM-4	MS004A	P4MN	EM-50
P68	20312-6	ASP-6	EM-6	MS006A	P5MN	EM-75
P88	20312-8	ASP-8	EM-8	MS008A	P6MN	EM-100
P108	20312-10	ASP-10	EM-10	MS010A	P7MN	EM-125
P128	20312-12	ASP-12	EM-12	MS012A	P8MN	EM-150
P168						

Stainless Steel Silencers



SSBM-Series mufflers are constructed with 300 series stainless steel materials.

They are resistant to atmospheric corrosion, foodstuffs, sterilizing solutions, many organic chemicals, dyestuffs and a wide variety of inorganic chemicals.

These compact mufflers are furnished with a standard male pipe thread connection. They are easy to install and maintain and are particularly suitable for a confined area.

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 requirement.

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

Unit should be mounted in a protective position free from excessive vibration.

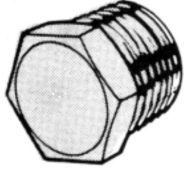
Maximum operating pressure 300 psi

Operating temperatures 35°F to 392°F

70 micron

Model	Size
SSBM - 1	1/8"
SSBM - 2	1/4"
SSBM - 3	3/8"
SSBM - 4	1/2"
SSBM - 6	3/4"
SSBM - 8	1"

Breather Vents



Breather Vents have many applications including vacuum relief or pressure equalization on gear boxes, oil tanks or reservoirs.

Common uses can be found on single acting cylinders or valves to prevent dirt and foreign particles from entering ports opened to the atmosphere.

Maximum operating pressure 150 psi

Operating temperatures 35°F to 300°F

40 micron

Model	Size
F18	1/8"
F28	1/4"
F38	3/8"
F48	1/2"
F68	3/4"
F88	1"
F108	1 1/4"
F128	1 1/2"
F168	2"

Model	Size
BV-1	1/8"
BV-2	1/4"
BV-3	3/8"
BV-4	1/2"
BV-6	3/4"
BV-8	1"
BV-10	1 1/4"
BV-12	1 1/2"

	ARO	Arrow	Norgren	Numatics	PH
F18	20311-1	ASP01 BV	MV001A	B1MN	04702-0002
F28	20311-2	ASP02 BV	MV002A	B2MN	04704-0004
F38	20311-3	ASP03 BV	MV003A	B3MN	04706-0006
F48	20311-4	ASP04 BV	MV004A	B4MN	04708-0008
F68	20311-6	ASP06 BV	MV006A	B5MN	04712-0012
F88	20311-8	ASP08 BV	MV008A	B6MN	04716-0016
F108	20311-10	ASP010 BV	MV010A	B7MN	04720-0020
F128	20311-12	ASP012 BV	MV012A	B8MN	04724-0024
F168					

Breather Vents



Female Thread Breather Vents	
Model	Size
FBV - 1	1/8"
FBV - 2	1/4"
FBV - 3	3/8"
FBV - 4	1/2"

Brass body and sintered bronze element
 40 micron
 Maximum operating pressure 150 psi
 Operating temperature 35°F to 300°F



Stainless Steel Breather Vents	
Model	Size
SSBV - 1	1/8"
SSBV - 2	1/4"
SSBV - 3	3/8"
SSBV - 4	1/2"
SSBV - 6	3/4"
SSBV - 8	1"

300 series stainless steel construction
 70 micron
 Maximum operating pressure 150 psi
 Operating temperatures 35°F to 392°F



Screen Breather Vents - Stainless Steel Wire

Model	Size
SBV - 1	1/8"
SBV - 2	1/4"
SBV - 3	3/8"
SBV - 4	1/2"
SBV - 6	3/4"
SBV - 8	1"

Stainless Steel wire element
 Nickel plated brass body
 Longer life under higher pressures
 Maximum operating pressure 300 psi
 Operating temperatures 35°F to 300°F

Speed Controls



Superb Linear Metering Adjustment

Speed Control Muffler units provide an infinite variation of metering air flow at an acceptable sound level on exhaust ports of air valves with complete safety.

The speed of an operating cylinder or air tool may be increased or decreased with the adjusting screw.

Final position is then locked in place by the lock nut.

Objectionable exhaust air noise is eliminated by the surrounding sleeve of sintered bronze.

Maximum operating pressure 300 psi.

Operating temperatures 35°F to 300°F

40 micron

Model	Size
SCM-1	1/8"
SCM-2	1/4"
SCM-3	3/8"
SCM-4	1/2"
SCM-6	3/4"
SCM-8	1"

	ARO	Arrow	Norgren	Numatics	PH
C18	20313-1	ASP1SC	MM001A	A1MN	04502-0002
C28	20313-2	ASP2SC	MM002A	A2MN	04504-0004
C38	20313-3	ASP3SC	MM003A	A3MN	04506-0006
C48	20313-4	ASP4SC	MM004A	A4MN	04508-0008
C68	20313-6	ASP6SC	MM006A	A5MN	04512-0012
C88	20313-8	ASP8SC	MM008A	A6MN	04516-0016

Stainless Steel Speed Controls



SSSCM-Series stainless steel muffler with speed control provides an infinite variation of control of airflow at an acceptable sound level on the exhaust ports of air valves or single acting cylinder with complete safety. They are constructed with 300-Series stainless steel materials, therefore they are resistant to atmospheric corrosion, food stuffs, sterilizing solutions, many organic chemicals, dyestuffs and wide variety of inorganic chemicals.

An external adjustment screw accurately varies orifice opening from closed to full as required. The final position can be locked into place by the lock nut.

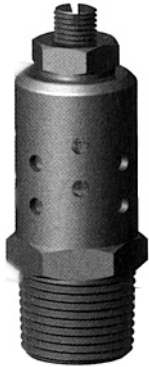
The surrounding sleeve of stainless steel element reduces exhaust air noise and it is protected by the integral stainless steel shroud/cage.

Unit should be mounted in a protective position free from excessive vibration.

Maximum operating pressure 300 psi
Operating temperatures 35° F to 392° F
70 micron

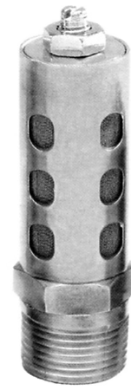
Model	Size
SSSCM - 1	1/8"
SSSCM - 2	1/4"
SSSCM - 3	3/8"
SSSCM - 4	1/2"
SSSCM - 6	3/4"
SSSCM - 8	1"

Speed Controls



Speed Control Muffler units provide an infinite variation of metering air flow at an acceptable sound level on exhaust ports of air valves with complete safety. The speed of an operating cylinder or air tool may be increased or decreased with the adjusting screw. Final position is then locked in place by the lock nut. Objectionable exhaust air noise is eliminated by the surrounding sleeve of sintered bronze.

Maximum operating pressure 300 psi.
Operating temperatures 35°F to 300°F
40 micron



Model	Material	Size
C18	Plated Steel	1/8"
C28	Plated Steel	1/4"
C38	Plated Steel	3/8"
C48	Plated Steel	1/2"
C68	Plated Steel	3/4"
C88	Plated Steel	1"



Model	Material	Size
C18-A	Aluminum	1/8"
C28-A	Aluminum	1/4"
C38-A	Aluminum	3/8"
C48-A	Aluminium	1/2"
C68-A	Aluminum	3/4"
C88-A	Aluminum	1"

		Aro	Arrow	Norgren	Numatics	PH
C18- A	C18	20313-1	ASP1SC	MM001A	A1MN	04502-0002
C28- A	C28	20313-2	ASP2SC	MM002A	A2MN	04504-0004
C38- A	C38	20313-3	ASP3SC	MM003A	A3MN	04506-0006
C48- A	C48	20313-4	ASP4SC	MM004A	A4MN	04508-0008
	C68	20313-6	ASP6SC	MM006A	A5MN	04512-0012
	C88	20313-8	ASP8SC	MM008A	A6MN	04516-0016

Speed Controls



SPBM-Series muffler utilizes P or SBM series muffler to fit with an external flow adjustment screw. The external flow adjustment screw accurately varies the orifice opening from closed to full flow as required.

The final position is then locked in place by the lock nut.

Unit should be mounted in a protective position free from excessive vibration.

Maximum operating pressure 300 psi.

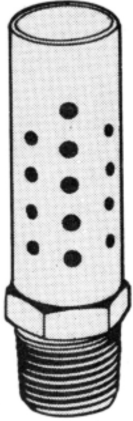
Operating temperatures 35°F to 300°F

40 micron

Model	Size
SPBM-1	1/8"
SPBM-2	1/4"
SPBM-3	3/8"
SPBM-4	1/2"

	ARO	Arrow	Norgren	Numatics	PH
SPBM-1	20313-1	ASP1SC	MM001A	A1MN	04502-0002
SPBM-2	20313-2	ASP2SC	MM002A	A2MN	04504-0004
SPBM-3	20313-3	ASP3SC	MM003A	A3MN	04506-0006
SPBM-4	20313-4	ASP4SC	MM004A	A4MN	04508-0008

Metal High Flow Mufflers



Rugged design featuring corrosion-resistant all metal construction, high-flow capacity and minimal back pressure.

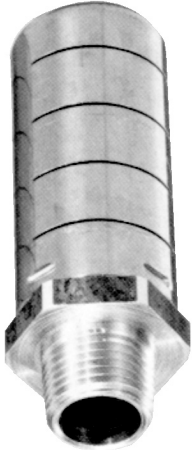
When installed in the exhaust ports of pneumatic valves, these metal pneumatic silencers are a quick and inexpensive method to help reduce work area noise and at the same time they protect the inside of the valve from contamination through the exhaust ports.

Maximum operating pressure 300 psi
Operating temperatures 35°F to 160°F

Model	Size
B-18	1/8"
B-28	1/4"
B-38	3/8"
B-48	1/2"
B-68	3/4"
B-88	1"
B-108	1 1/4"
B-128	1 1/2"
B-168	2"

	ARO	Numatic
B-18	20308-1	M1MN
B-28	20308-2	M2MN
B-38	20308-3	M3MN
B-48	20308-4	M4MN
B-68	20308-6	M6MN
B-88	20308-8	M8MN

Metal High Flow Mufflers



MHM-Series high flow mufflers feature a 50 mesh self cleaning stainless steel screen which are combined with a corrosion-resistant aluminum shell to create a highly efficient ultra quiet muffler designed with minimal back pressure.

When installed on the exhaust ports of pneumatic valves or manifolds the aluminum body muffler provides a quick and inexpensive way to reduce work area noise while preventing contamination from entering into the inside of the pneumatic valves.

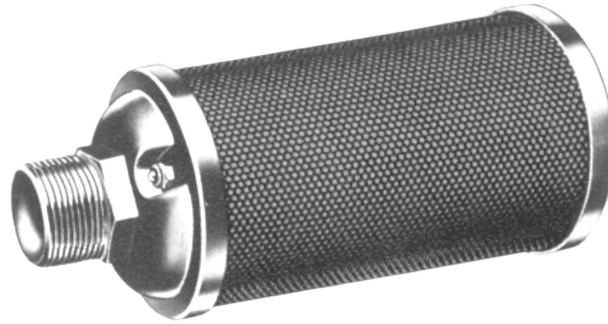
Unit should be mounted in a protective position free from excessive vibration.

Maximum operating pressure 300 psi
 Operating temperatures 35°F to 160°F
 50 mesh

Model	Size
MHM-1	1/8"
MHM-2	1/4"
MHM-3	3/8"
MHM-4	1/2"
MHM-6	3/4"
MHM-8	1"

	Arrow	Norgren
MHM-1	ASQF-1M	B001A
MHM-2	ASQF-2M	B002A
MHM-3	ASQF-3M	B003A
MHM-4	ASQF-4M	B004A
MHM-6	ASQF-6M	B006A
MHM-8	ASQF-8M	B008A

Filter Silencers



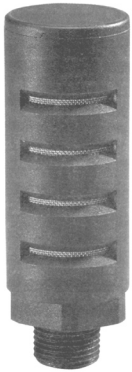
Filters out dirt particles as small as 5 micron
 Provides up to 85 % noise reduction and 94 % flow factor
 Highly efficient dual-stage filter plus an effective muffler for equipment such as compressor intakes, pumps, reservoir vents and wherever it is essential for air to be free of contaminants and excess noise.
 Maximum pressure 125 psi
F series has both an outer and inner perforated guard plus an additional felt disc at the inlet for extra silencing.
M series has an outer perforated guard over the cellulose element.

F series		
Model	Size	Length
F01	1/8"	3.125"
F02	1/4"	4.375"
F00	3/8"	5.125"
F05	1/2"	6.00"
F07	3/4"	7.187"
F10	1"	8.75"
F12	1 1/4"	8.75"
F15	1 1/2"	13.562"
F20	2"	18.875"

M series		
Model	Size	Length
M01	1/8"	3.125"
M02	1/4"	4.375"
M00	3/8"	5.125"
M05	1/2"	6.00"
M07	3/4"	7.187"
M10	1"	8.75"
M12	1 1/4"	8.75"
M15	1 1/2"	13.562"
M20	2"	18.875"
M30	3"	22.875"
M40	4"	23.25"

Elements (for F and M series)	
Model	
3101	
3102	
3100	
3105	
3107	
3110	
3112	
3115	
3120	

Silencers



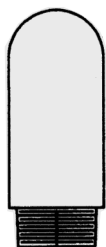
Plastic body and 50 mesh stainless steel screen
 Maximum operating pressure 150 psi
 Operating temperature 35°F to 120°F

Plastic Silencer				
Model	Size	Length	Dia	Cv Factor
HPM-1	1/8"	2 1/8"	13/16"	1.0
HPM-2	1/4"	2 1/4"	13/16"	2.1
HPM-3	3/8"	3 7/16"	1 1/4"	4.3
HPM-4	1/2"	3 9/16"	1 1/4"	6.3



Polyethylene body and polyvinyl element
 Maximum operating pressure 130 psi
 Operating temperature 40°F to 140°F

Polyethylene Silencer			
Model	Size	Length	Dia
PM-1	1/8"	1 3/8"	5/8"
PM-2	1/4"	1 1/2"	5/8"
PM-3	3/8"	2 5/8"	1 "
PM-4	1/2"	2 3/4"	1 1/8"



Polyethylene body & porous polyethylene element
 Maximum operating pressure 150 psi
 Operating temperature 40°F to 195°F

Polyethylene Muffler	
Model	Size
POM-1	1/8"
POM-2	1/4"
POM-3	3/8"
POM-4	1/2"
POM-6	3/4"
POM-8	1"

