

Quietaire Heavy Duty Mufflers MA and MB Series 1/8" to 2" BSPT, BSPP or PTF

- Reduce the noise levels of pneumatic equipment
- Prevent open line exhaust dangers
- Brass mesh screen and aluminum construction provide improved flow, longer life and cleanable element
- Prevent metal chips, abrasive grits, dust and other contaminants from entering open exhaust ports
- High flow capacity with low back pressure
- Corrosion resistant



Technical features

Medium:

Compressed air, filtered, lubricated and non-lubricated Inert gases

Mounting:

Directly in the exhaust port
Maximum Pressure: 300 psig (20.7 bar)
Maximum temperature: 176°F (80°C)
Consult our Technical Service for use below 2°C

Materials

Element: Brass wire
Base: Aluminum
Shell: Aluminum
Alternative models
M/S & C/S range of porous plastic silencers.
T40 series of Quietaire sintered bronze silencers

Operation:

Exhaust silencer

Male thread

Model PTF	BSPT	Port size	Flow factor Cv*/C**	oz.
MB001A	MB001B	1/8	1.3 / 5.3	1.05
MB002A	MB002B	1/4	2.3 / 9.4	1.05
MBP03A	MBP03B	3/8	2.9 / 11.8	1.05
MB003A	MB003B	3/8	4.9 / 20.0	3.53
MB004A	MB004B	1/2	6.8 / 27.7	3.17
MBP06A	MBP06B	3/4	7.2 / 29.4	3.17
MB006A	MB006B	3/4	14.8 / 60.4	15.9
MB008A	MB008B	1	18.0 / 73.4	14.0
MBP10A	MBP10B	1-1/4	23.6 / 96.3	14.0

*Cv measured in US/gall/min **C measured in dm³/(s.bar)

Female thread

Model PTF	Port size	Flow factor Cv*/C**	kg
MA001A	1/8"	0.8 / 3.26	1.05
MA002A	1/4"	2.4 / 9.79	1.05
MA003A	3/8"	5.7 / 23.3	3.53
MA004A	1/2"	6.9 / 28.1	3.17
MA006A	3/4"	18.0 / 73.4	15.9
MA008A	1"	20 / 81.6	14.0
MA010A	1-1/4"	42 / 171.4	21.9
MA012A	1-1/2"	39 / 159.1	21.2
MA016A	2"	59 / 241.0	26.8

*Cv measured in US/gall/min **C measured in dm³/(s.bar)

Male thread dimensions

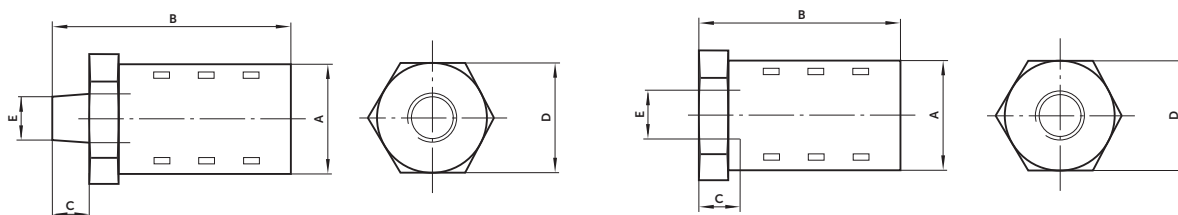
Model	A	B	C	D	E*
MB001	0.83	2.01	0.35	0.81	1/8"
MB002	0.83	2.17	0.51	0.81	1/4"
MBP03	0.83	2.17	0.51	0.81	3/8"
MB003	1.26	3.46	0.51	1.25	3/8"
MB004	1.26	3.62	0.67	1.25	1/2"
MBP06	1.26	3.62	0.67	1.25	3/4"
MB006	2.01	5.28	0.79	2.00	3/4"
MB008	2.01	5.43	0.91	2.00	1"
MBP10	2.01	5.51	1.02	2.00	1 1/4"

* For MB***B Rc (BSPT) according to BS21 and ISO - 7/1
For MB***A PTF-SAE SHORT according to ANSI-B1.20.1x

Female thread dimensions

Model	A	B	C	D	E*
MA001A	0.83	1.65	0.24	0.81	1/8"
MA002A	0.83	1.77	0.35	0.81	1/4"
MA003A	1.26	3.07	0.35	1.25	3/8"
MA004A	1.26	3.27	0.47	1.25	1/2"
MA006A	2.01	4.65	0.47	2.00	3/4"
MA008A	2.01	4.65	0.59	2.00	1"
MA010A	2.52	5.67	0.59	2.50	1-1/4"
MA012A	2.52	5.67	0.59	2.50	1-1/2"
MA016A	2.99	6.61	0.63	3.00	2"

For MA***A PTF-SAE SHORT according to ANSI-B1.20.1



Sintered bronze mufflers

Size	NPT model	Cv
10-32	MS000A	
1/8	MS001A	0.7
1/4	MS002A	1.4
3/8	MS003A	1.9
1/2	MS004A	3.8
3/4	MS006A	6.5
1	MS008A	10.5
1-1/4	MS010A	11.8
1-1/2	MS012A	18.3

Size	BSPT model	Size	BSPP model	Cv
–	–	M5	T40M0500	0.2
1/8"	T40 B1800	1/8	T40C1800	0.54
1/4"	T40 B2800	1/4	T40C2800	1.6
3/8"	T40 B3800	3/8	T40C3800	3.5
1/2"	T40 B4800	1/2	T40C4800	5.1
3/4"	T40 B6800	3/4	T40C6800	9.0
1"	T40 B8800	1	T40C8800	11.6

- Reduce the noise levels of pneumatic equipment
- Compact and efficient
- Screw directly into the exhaust port
- Prevent the ingress of dirt



Porous plastic mufflers

Size	NPT model	BSPP model	Cv
M5	–	M/S0	0.31
1/8	C/S1	M/S1	1.0
1/4	C/S2	M/S2	1.84
3/8	C/S3	M/S3	4.0
1/2	C/S4	M/S4	5.3
3/4	C/S6	M/S6	8.0
1	C/S8	–	12.2

- Reduce the noise levels of pneumatic equipment
- Compact, efficient and lightweight
- Screw directly into the exhaust port
- Prevent the ingress of dirt
- Low cost



Stem silencers

Size	NPT model
5/32"	T45Y0002
1/4"	T45Y0004
3/8"	T45Y0006
6mm	T45P0006
8mm	T45P0008
10mm	T45P0010
12mm	T45P0012

- Reduce the noise levels of pneumatic equipment
- Compact, efficient and lightweight
- Insert directly into push-in fitting exhaust port
- Prevent the ingress of dirt
- Low cost



Quietaire coalescing muffler

Port Size NPT	Part Number	Flow Factor Cv
1/2	MC004A	5.2
3/4	MC006A	9.2
1	MC008A	15.7

- Easily replaceable cartridge element
- Removal of oil mist from exhaust air provides cleaner work environment
- Rugged, corrosion resistant construction



Plastic speed control

Port size NPT	Part number	Flow factor Cv
1/2	MQ004A	2.5
3/4	MQ006A	2.5
1	MQ008A	7.7
1-1/4	MQ010A	7.7

- Easily replaceable cartridge element
- Removal of oil mist from exhaust air provides cleaner work environment
- Rugged, corrosion resistant construction



Sintered bronze speed control

Port size NPT	Part number
1/8	MM001A
1/4	MM002A
3/8	MM003A
1/2	MM004A
3/4	MM006A
1	MM008A

- Cleanable 40-micron sintered bronze diffuser element
- Corrosion resistant construction
- Adjustment screw to control rate of exhaust air flow
- Adjustment screw facilitates a smooth, steady change to flow when turned



High performance flow control Quietaire muffler

Port size NPT	Part number	Max. flow factor Cv
M5	–	0.07
1/8	T20A1800	0.4
1/4	T20A2800	0.8
3/8	T20A3800	1.7

- Cleanable 40-micron sintered bronze diffuser element
- Corrosion resistant construction
- Adjustment screw to control rate of exhaust air flow
- Adjustment screw facilitates a smooth, steady change to flow when turned



Breather vents

Port size NPT	Part number	Max. flow factor Cv
1/8	MV001A	0.1
1/4	MV002A	0.1
3/8	MV003A	0.3
1/2	MV004A	0.5
3/4	MV006A	1.3
1	MV008A	1.6
1-1/4	MV010A	4.2
1-1/2	MV012A	5.2
Port Size ISO G	Part Number	Flow Factor Cv
1/8	M/1511	0.45
1/4	M/1512	1.1
1/2	M/1514	1.5
3/4	M/1516	3.9

- Prevent the ingress of dirt with minimal flow restriction
- Robust and compact
- Screw directly into the exhaust port



Materials

NPT:

Base - Nickel plated steel
Element - Sintered bronze

ISO G:

Base - Aluminum
Element - Sintered bronze

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »Technical features/data«. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering, Norgren Ltd.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided. System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.