

# MA & MB series

## Heavy duty silencers



- > Port size: R1/8 ... R2, Rc1/8 ... Rc1, Rp11/4 ... Rp2
- > Reduce the noise levels of pneumatic equipment
- > High flow capacity with low back pressure
- > Brass mesh screen and aluminium construction
- > Provide improved flow, longer life and cleanable element



### Technical features

#### Medium:

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

#### Operation:

Heavy duty silencer

#### Operating pressure:

20 bar (290 psi) maximum

#### Port size:

1/8", 1/4", 3/8", 1/2", 3/4", 1, 1 1/4", 1 1/2"

#### Mounting:

Directly in exhaust port

#### Ambient/Media temperature:


-40 ... +80°C (-40 ... +176°F)  
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

#### Materials:

Body: aluminium and shell,  
Filter element: brass mesh

### Technical data


#### Male thread, standard models


Symbol	Port size	Flow factor Cv	C *1)	Kv *2)	Weight (kg)	Model
	R1/8	2	8,2	1,75	0,03	MB001B
	R1/4	2,2	9	1,92	0,03	MB002B
	R3/8	2,94	12	2,56	0,03	MBP03B
	R3/8	4,78	19,5	4,16	0,10	MB003B
	R1/2	5,49	22,4	4,78	0,09	MB004B
	R3/4	5,49	22,4	4,78	0,09	MBP06B
	R3/4	12,5	51	10,78	0,45	MB006B
	R1	15,68	64	13,65	0,40	MB008B
	R1 1/4	16,67	68	14,5	0,40	MBP10B

\*1) Measured in dm<sup>3</sup>/(s.bar)

\*2) Measured in m<sup>3</sup>/h

#### Female thread, standard models

Symbol	Port size	Flow factor Cv	C *1)	Kv *2)	Weight (kg)	Model ISO Rc
	Rc1/8	2	8,2	1,75	0,03	MA001B
	Rc1/4	2,57	10,5	1,29	0,03	MA002B
	Rc3/8	5,83	23,8	5,07	0,10	MA003B
	Rc1/2	5,71	23,3	4,97	0,09	MA004B
	Rc3/4	16,18	66	14,07	0,45	MA006B
	Rc1	16,67	68	14,5	0,40	MA008B

Symbol	Port size	Flow factor Cv	C *1)	Kv *2)	Weight (kg)	Model
	Rp1 1/4	26,7	110	23,45	0,62	MA010C
	Rp1 1/2	40,93	167	35,6	0,60	MA012C
	Rp2	53,9	220	46,9	0,76	MA016C

### Option selector

#### Male thread

Port size	Substitute
1/8"	001
1/4"	002
3/8"	P03*
3/8"	003
1/2"	004
3/4"	P06*
3/4"	006
1"	008
1 1/4"	P10*
Thread form	Substitute
PTF (SAE short, ANSI B1.2.0.3)	A
ISO R, taper	B

\* Compact size

#### MB★★★★

#### Female thread

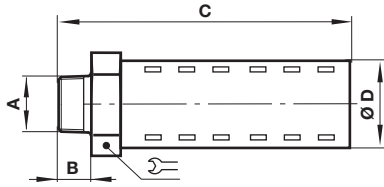
Port size	Substitute
1/8"	001
1/4"	002
3/8"	003
1/2"	004
3/4"	006
1"	008
1 1/4"	010
1 1/2"	012
Thread form	Substitute
PTF (SAE short, ANSI B1.2.0.3)	A
ISO Rc, taper	B
ISO Rp, parallel	C

#### MA★★★★

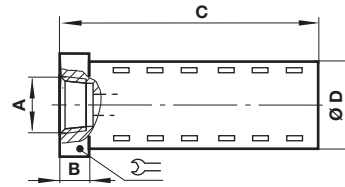
## Dimensions


Dimensions in mm  
Projection/First angle


### Male thread



### Female thread



A	B	C	D		Model
R1/8	9	51	21	21	MB001
R1/4	13	55	21	21	MB002
R3/8	13	55	21	21	MBP03
R3/8	13	88	32	32	MB003
R1/2	17	92	32	32	MB004
R3/4	17	92	32	32	MBP06
R3/4	20	134	51	51	MB006
R1	23	138	51	51	MB008
R1 1/4	26	140	51	51	MBP10

A	B	C	Ø D		Model
Rc1/8	6	42	21	21	MA001
Rc1/4	9	45	21	21	MA002
Rc3/8	9	78	32	32	MA003
Rc1/2	12	83	32	32	MA004
Rc3/4	12	118	51	51	MA006
Rc1	15	118	51	51	MA008
Rp1 1/4	15	144	64	64	MA010
Rp1 1/2	15	144	64	64	MA012
Rp2	16	168	76	76	MA016

## 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 Norgren.

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.