

Silencer

New

RoHS

The M5 silencer is now added!

Space saving



The resin silencer is now a more compact size!

Existing model



Entire length reduced by up to **30%** (SMC comparison)

Outside diameter reduced by up to **25%** (SMC comparison)

- Noise reduction improved: **30 dB(A)**
The value of the noise reduction for the existing model AN□03 (compact type) is 25 dB(A).
- Sonic conductance C: 1 to 18 [dm³/(s·bar)]
- Connection method
M thread, R (NPT) thread type
One-touch fitting connection type

New

New model



Series AN


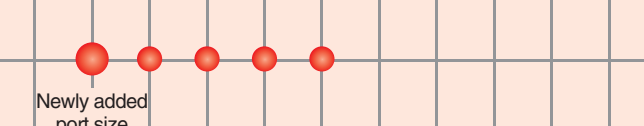


CAT.NAS13-9A

Silencer Variation


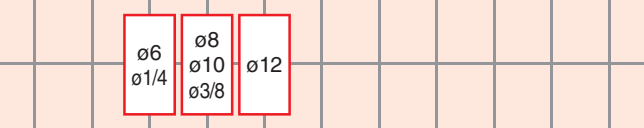
M3	M5	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	Page
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New Compact Resin Type/Male Thread
Series AN05 to 40
 Compact, Lightweight
 Noise reduction: 30 dB(A)


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New Compact Resin Type/One-touch Fitting Connection
Series AN10 to 30-C
 Can connect with one-touch fitting directly.
 Noise reduction: 30 dB(A)


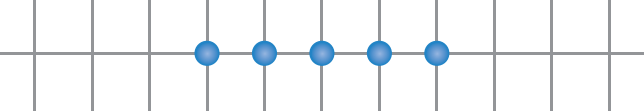
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Metal Body Type
Series AN□00
 Low back pressure, Easy mounting.
 Noise reduction: 30 dB(A)

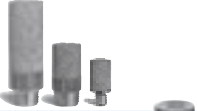
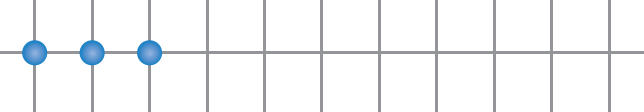



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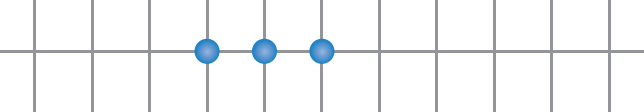
Metal Case Type
Series 25□□
 Prevents scattering of mist and noise.
 Noise reduction: 19 dB(A)


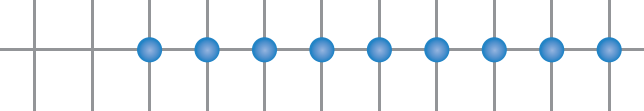
BC Sintered Body Type
Series AN
 Noise reduction: 13, 16, 18, 21 dB(A)


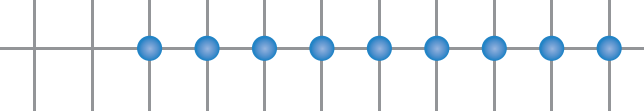
High Noise Reduction Type
Series AN□02
 Uses a flame resistant material for the case.
 Noise reduction: 35 dB(A)


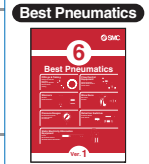
High Noise Reduction Type
Series ANA1
 Keeps the in-plant noise level below 85 dB(A). Noise reduction: 40 dB(A)

High Noise Reduction Type
Series ANB1
 Has a larger effective area than ANA1 series, but with the same port size. Noise reduction: 38 dB(A)

725psi (5.0 MPa) Type
Series VCHN
 Max. operating pressure 725psi (5.0 MPa). Reduces clogging with the double-layer structure. Noise reduction: 35 dB(A)

Comparison between existing and new *The resin silencer is now a more compact size!*
 (AN200 to 400, AN103 to 403, AN103-KM6 to 300-KM12)

Male Thread (Resin body)

Type	New model				Existing model								
	Model	Sonic conductance C [dm ³ /(s·bar)]	Length (mm)	Noise reduction	Standard				Compact type				
					Model	Sonic conductance C [dm ³ /(s·bar)]	Length (mm)	Noise reduction	Model	Sonic conductance C [dm ³ /(s·bar)]	Length (mm)	Noise reduction	
M5 x 0.8	AN05	1	15	30 dB(A)	—	—	—	—	—	—	—	—	—
1/8	AN10	2	23		—	—	—	—	AN103	2	23.5	25 dB(A)	—
1/4	AN15	3	32		—	—	—	—	AN203	3	36		—
	AN20	7	45		AN200	7	63	30 dB(A)	—	—	—	—	
3/8	AN30	12	58.5		AN300	12	84		AN303	7	66	25 dB(A)	
1/2	AN40	18	68		AN400	18	92		AN403	12	84		

One-touch Fitting Connection (Resin body)

Type	New model				Existing model			
	Model	Sonic conductance C [dm ³ /(s·bar)]	Length (mm)	Noise reduction	Model	Sonic conductance C [dm ³ /(s·bar)]	Length (mm)	Noise reduction
ø6	AN10-C06	1.4	36.5	30 dB(A)	AN103-KM6	1.4	37	25 dB(A)
					AN103-X233			
AN103-X235								
ø8	AN15-C08	4	45		AN203-KM8	2.8	45	30 dB(A)
					AN200-KM8	4	73	
ø10	AN20-C10	6	57.5		AN200-KM10	5.2	76	30 dB(A)
					AN300-KM10	6	90	
ø3/8	AN20-C11	5	—		—	—	—	—
ø12	AN30-C12	8.2	71.5		AN300-KM12	8.2	91	30 dB(A)



Silencer

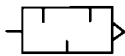
One-touch Fitting Connection Type

Series AN□□□-KM□□

Can connect with One-touch fitting directly.



JIS Symbol



Specifications

Fluid	Compressed air
Max. operating pressure ^{Note)}	1.0 MPa
Ambient and fluid temperature	5 to 60°C



Note) It indicates the inlet pressure for solenoid valve.

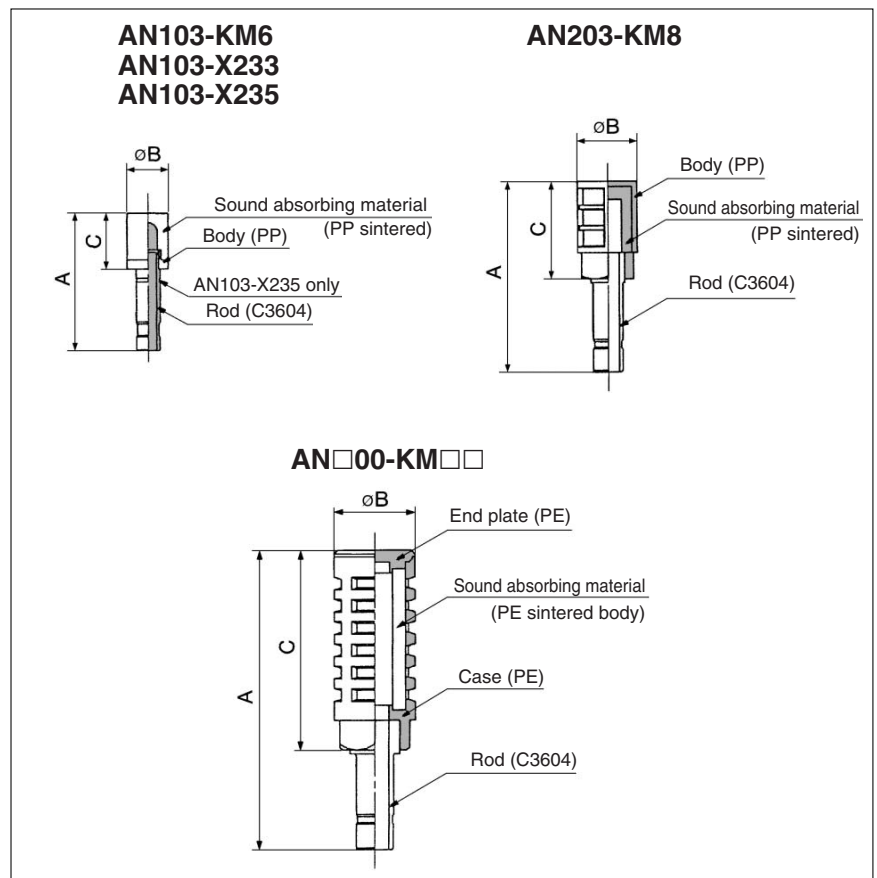


Refer to page 5-10-13 for Precautions on these products.

Model

Model	Applicable One-touch fitting size	Noise reduction (dB (A))	Effective area (mm ²)	Recommended flow (m ³ /min (ANR))	Dimensions (mm)		
					A	B	C
AN103-KM6	ø6 (Series KQ)	25	7	0.8 or less	37	11	15
AN103-X233	ø6 (Series KQ, KJ)						
AN103-X235	ø1/4" (Series KQ, KJ)						
AN203-KM8	ø8 (Series KQ)	30	14	1.0 or less	51	16	26
AN200-KM8	ø8 (Series KQ)		20				
AN200-KM10	ø10 (Series KQ)		26	3.0 or less			
AN300-KM10	ø10 (Series KQ)	30	30	5.0 or less	97	25	70
AN300-KM12	ø12 (Series KQ)		41				

Construction/Parts/Dimensions



Note 1) About the display of product's material

PP: Polypropylene
PE: Polyethylene
C3604: Copper alloy

Note 2) Recommended flow rate is the flow at 0.5 MPa in the inlet pressure.