

Silencer Metal Body Type Series AN□00

RoHS

Noise reduction 30 dB(A)
Low back pressure
Easy mounting



How to Order

AN 500 - 06

Body size

Symbol
500
600
700
800
900

Thread type

Symbol	Type
Nil	R
N	NPT

Port size

Symbol	Port size	Applicable model
06	3/4	AN500
10	1	AN600
12	1 1/4	AN700
14	1 1/2	AN800
20	2	AN900

Specifications

Fluid	Compressed air
Max. operating pressure ^{Note 1)}	145psi (1.0 MPa)
Noise reduction	30 dB(A) ^{Note 2)}
Ambient and fluid temperature	41 to 140°F (5 to 60°C) ^{Note 3)}

Note 1) It indicates the inlet pressure for solenoid valve.

Note 2) The value may vary, depending on the pneumatic circuit or pressure that is exhausted from the solenoid valve.

Note 3) The product can be used in temperatures 14 to 140°F (-10 to 60°C) if there is no risk of water droplets forming and freezing.

Refer to page 5 for Precautions on these products.

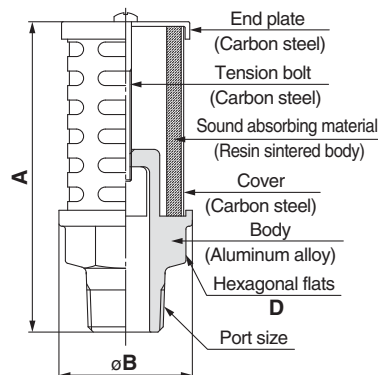
Performance

Model	Effective area mm ²	Sonic conductance C [dm ³ /(s·bar)]	Recommended flow m ³ /min(ANR)	Weight g
AN500-06	160	32	12 or less	165
AN600-10	270	54	20 or less	220
AN700-12	440	88	30 or less	435
AN800-14	590	118	50 or less	510
AN900-20	960	192	80 or less	740

Note) Recommended flow rate is the flow at 72.5psi (0.5 MPa) in the inlet pressure.

Construction/Parts/Dimensions

AN500 to 900



Dimensions

Model	Port size R, NPT	A	B	D
AN500-06	3/4	107	46	36
AN600-10	1	127	50	41
AN700-12	1 1/4	186	74	50
AN800-14	1 1/2	217	74	55
AN900-20	2	256	86	65

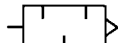
Silencer Standard Type Series AN□00

How to Order

Over 30 dB (A) noise reduction
Low back pressure
Compact and easy mounting

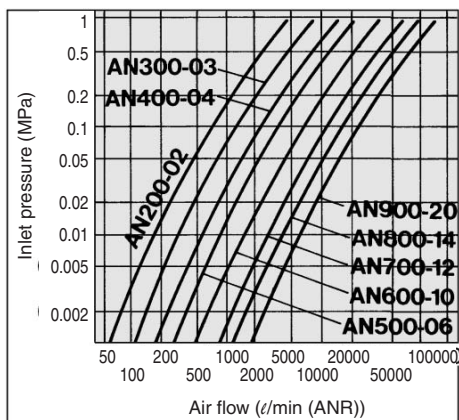


JIS Symbol



Flow Characteristics (Initial conditions)

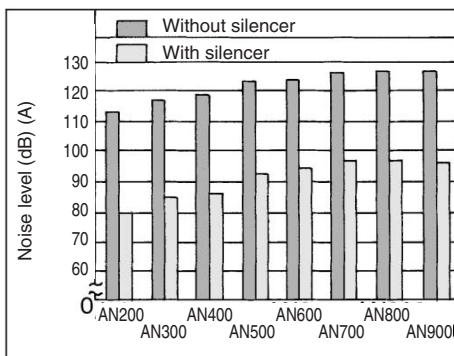
AN200 to 900



Noise Level (Initial conditions)

AN200 to 900

Condition: 0.5 MPa at inlet pressure of solenoid valve
Measurement distance: AN200 to 500 → 1 m, AN600 to 700 → 2 m,
AN800 to 900 → 3 m



AN 400 04

Body size

200
300
400
500
600
700
800
900

Thread type

Nil	R
N	NPT

Port size

02	1/4
03	3/8
04	1/2
06	3/4
10	1
12	1 1/4
14	1 1/2
20	2

Specifications

Fluid	Compressed air
Max. operating pressure ⁽¹⁾	1.0 MPa
Noise reduction	30 dB (A)
Ambient and fluid temperature	5 to 60°C ⁽²⁾



Note 1) It indicates the inlet pressure for solenoid valve.

Note 2) It can operate in temperature between -10 to 60°C if there is no risk of the moisture in the air freezing.



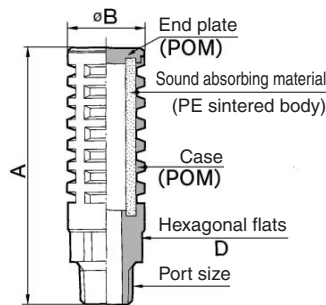
Refer to page 5-10-13 for Precautions on these products.

Model

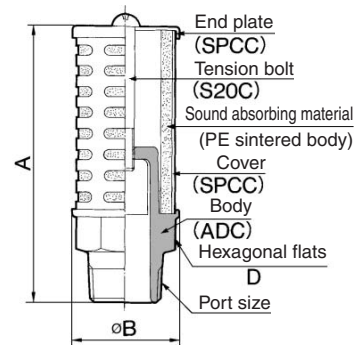
Model	Port size R	Effective area (mm ²)	Recommended flow (m ³ /min (ANR))	Weight (g)	Dimensions (mm)		
					A	B	D
AN200-02	1/4	35	3 or less	17	63	22	19
AN300-03	3/8	60	5 or less	25	84	25	22
AN400-04	1/2	90	8 or less	35	92	30	27
AN500-06	3/4	160	12 or less	165	107	46	36
AN600-10	1	270	20 or less	225	132	50	41
AN700-12	1 1/4	440	30 or less	490	200	74	55
AN800-14	1 1/2	590	50 or less	580	233	74	60
AN900-20	2	960	80 or less	820	263	86	70

Construction/Parts/Dimensions

AN200 to 400



AN500 to 900



Note 1) About the display of product's material

POM: Polyacetal
PE: Polyethylene
SPCC: Carbon steel
S20C: Carbon steel
ADC: Aluminum alloy

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