



Silencers

NAN, NAMC Series

Compact Mufflers, Exhaust Cleaners



Over 30dB Sound Reduction
Low Back Pressure
Compact Size
Easy Mounting

Silencer NAN Series

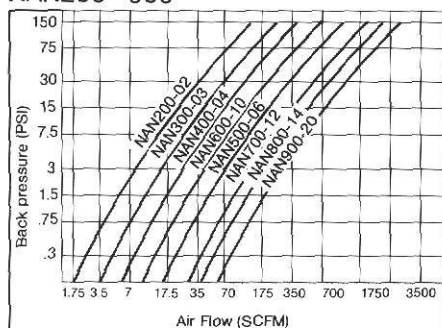
Over 30dB sound reduction.
Low back pressure.
Compact and easy mounting.

Symbol

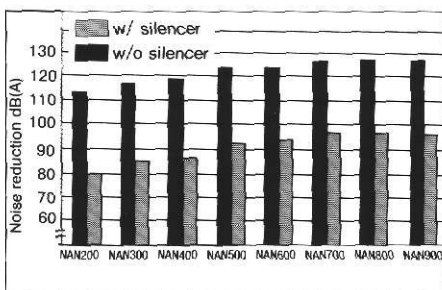


Flow Characteristics

NAN200 ~ 900



Noise Level



Conditions

Supply pressure: 71 PSI
Distance from silencer: NAN200 ~ 500 → 3ft
NAN600 ~ 700 → 6.5ft
NAN800 ~ 900 → 10ft



Specifications

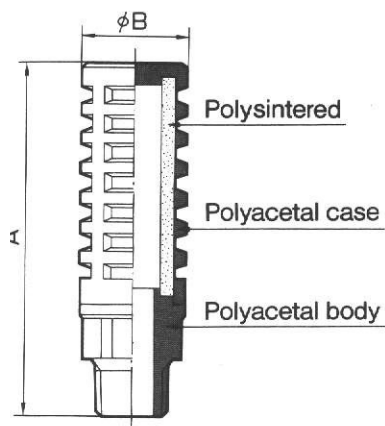
Max operating pressure — 145PSI(10.2kgf/cm²)
Noise reduction — 30dB or more
Operating temperature range — 40 ~ 140°F (5 ~ 60°C)

Model

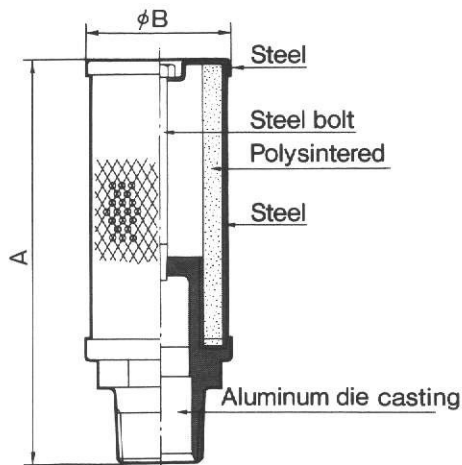
Model	Port size (NPT)	Effective orifice mm ² (Cv)	Weight lbs. (g)
NAN200-N02	1/4	35 (1.9)	.04 (17)
NAN300-N03	3/8	60 (3.3)	.06 (25)
NAN400-N04	1/2	90 (5.0)	.08 (35)
NAN500-N06	3/4	160 (8.8)	.36 (165)
NAN600-N10	1	270 (15)	.86 (225)
NAN700-N12	1 1/4	440 (24)	1.87 (490)
NAN800-N14	1 1/2	590 (33)	2.21 (580)
NAN900-N20	2	960 (53)	3.13 (820)

Construction Dimensions

NAN200~400



NAN500~900



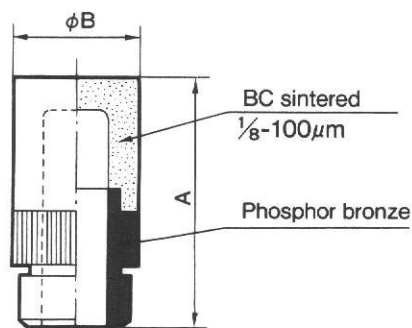
Model	In. (mm)	
	A	B
NAN200-N02	2.48 (63)	0.87 (22)
NAN300-N03	3.31 (84)	0.98 (25)
NAN400-N04	3.62 (92)	1.18 (30)
NAN500-N06	4.21 (107)	1.81 (46)
NAN600-N10	5.20 (132)	1.97 (50)
NAN700-N12	7.87 (200)	2.91 (74)
NAN800-N14	9.17 (233)	2.91 (74)
NAN900-N20	10.35 (263)	3.39 (86)

NAN Series (Sintered Bronze)

Specifications

Model		NAN101-N01	NAN110-N01	NAN120-X200
Port size (NPT)		1/8	1/8	M5 (NOM 10-32)
Noise reduction		16	21	18
Max. operating pressure		145PSI(10.2kgf/cm ²)		
Operating temperature range		40~140°F (5~60°C)		
Effective orifice mm ² (Cv)		20 (1.1)	35 (1.9)	5 (0.27)
Weight oz. (g)		.34 (9.5)	.71 (20)	.12 (3.3)
Dimensions	A	0.89 (22.5)	1.50 (38)	0.69 (17)
	∅B	0.48 (11)	0.51 (13)	0.31 (8)

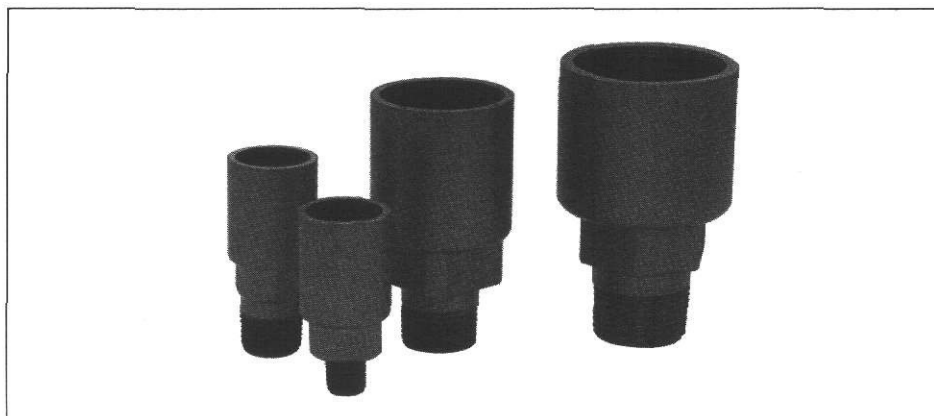
Construction Dimensions



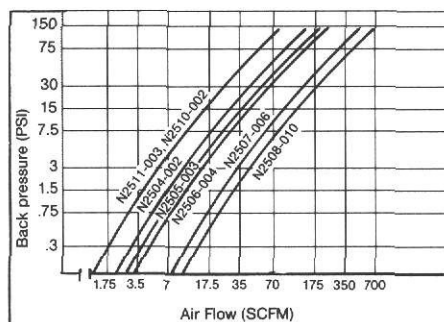
Exhaust in only one direction.
Prevents scattering of mist and noise.

Shock resistant construction.
High strength construction prevents damage to threads from a side directional shock.

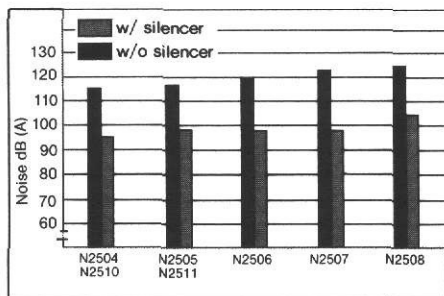
Symbol



Flow Characteristics



Noise Level



Conditions

Supply pressure: 71 PSI
Distance from silencer: 3 ft.

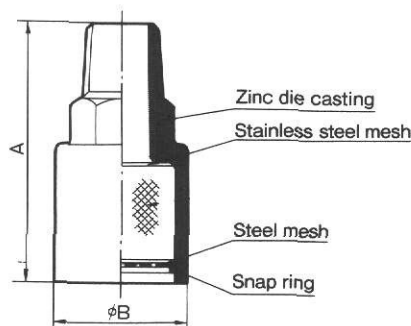
Specifications

Max operating pressure — 145PSI(10.2kgf/cm²)
Noise reduction — 19dB or more
Operating temperature range — 40 ~ 140°F (5 ~ 60°C)

Model

Model	Port size (NPT)	Effective orifice mm ² (Cv)	Weight lbs. (g)	Dimensions In. (mm)	
				A	B
N2504-N002	1/4	33.9 (1.8)	.25 (111)	2.44 (62)	1.18 (30)
N2505-N003	3/8	45.9 (2.5)	.23 (106)	2.52 (64)	1.18 (30)
N2506-N004	1/2	50.0 (2.7)	.25 (113)	2.68 (68)	1.18 (30)
N2507-N006	3/4	105.6 (5.8)	.68 (310)	3.48 (88.5)	1.89 (48)
N2508-N010	1	129.6 (7.2)	1.13 (514)	3.84 (97.5)	2.36 (60)
N2510-N002	1/4	17.2 (0.95)	(57)	2.13 (54)	0.87 (22)
N2511-N003	3/8	17.2 (0.95)	(55)	2.20 (56)	0.87 (22)

Construction/Dimensions (mm)



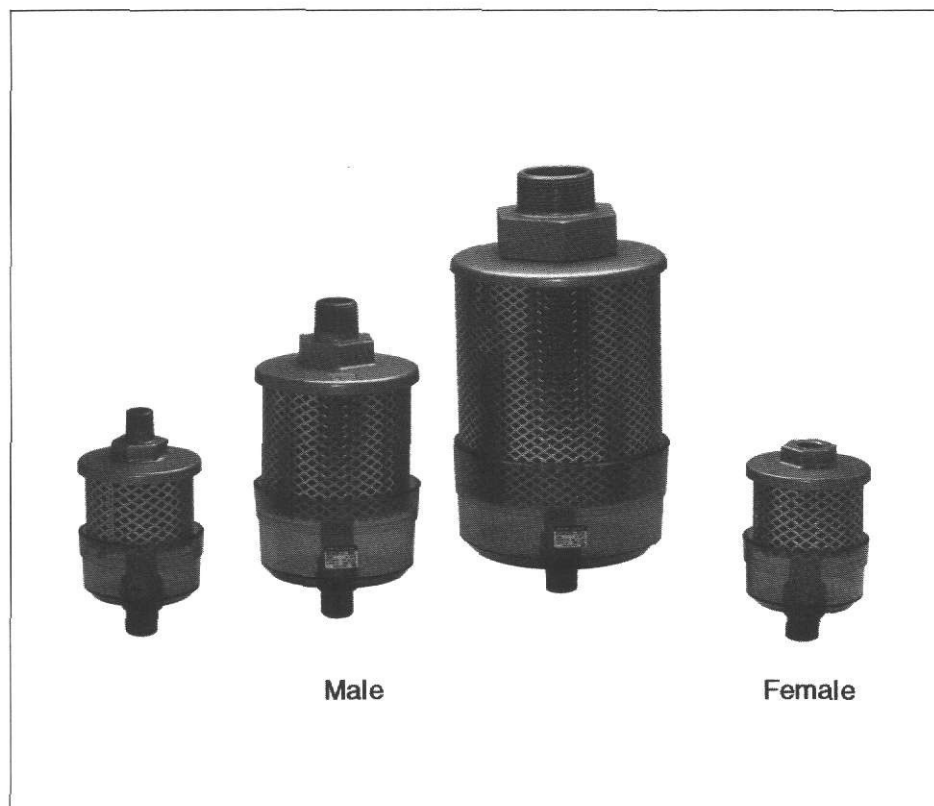
Exhaust Cleaner

NAMC Series

Insures clean plant air and
reduction of distributing noise
contamination.

Over 35 dB noise reduction.

Over 99.9% oil mist removal.



Symbol



Specifications

Max operating pressure——140°F (60°C)

Noise reduction——35dB or more

Oil mist removal——99.9% or more

Exhaust of oil mist——Drain cock (Standard)
Threaded drain port (Female, special order)

Option——Bracket*

*Bracket not available on NAMC810 and 910.

Model

Model	Male					Female (Special Order)		
	NAMC310	NAMC510	NAMC610	NAMC810	NAMC910	NAMC220	NAMC320	NAMC520
Effective orifice mm ² (Cv)	16 (0.88)	55 (3.1)	165 (9.2)	330 (18.3)	550 (31)	12 (0.66)	16 (0.88)	55 (3.1)
Max. air flow (SCFM)	10.5	35	105	210	350	7	10.5	35
Port size (NPT)	3/8	3/4	1	1 1/2	2	1/4	1/4 • 3/8	1/2 • 3/4
Weight lbs. (kg)	0.44 (0.2)	1.10 (0.5)	1.54 (0.7)	2.65 (1.2)	3.75 (1.7)	0.26 (0.12)	0.44 (0.2)	1.10 (0.5)
Element Assembly	AMC-EL3	AMC-EL5	AMC-EL6	AMC-EL8	AMC-EL9	AMC-EL2	AMC-EL3	AMC-EL5
Bracket	BE30	BE50	BE60	—	—	BE20	BE30	BE50
Bowl Assembly (Drain cock type)	AMC-CA3-A	AMC-CA5-A	AMC-CA6-A	AMC-CA8-A	AMC-CA9-A	AMC-CA2-A	AMC-CA3-A	AMC-CA5-A
Bowl Assembly (Pipe thread type)	NAMC-CA3-DN	NAMC-CA5-DN	NAMC-CA6-DN	NAMC-CA8-DN	NAMC-CA9-DN	Note 1) see below	NAMC-CA3-DN	NAMC-CA5-DN

Note 1.) NAMC220 - remove drain cock to obtain 1/4 pipe thread.

How To Order

NAMC 5 1 0 - N 06 B

Body size

2	1/4
3	3/8
5	3/4
6	1
8	1 1/2
9	2

Thread

1	Male
2	Female*

*NAMC220, 320, 520 only

Suffix

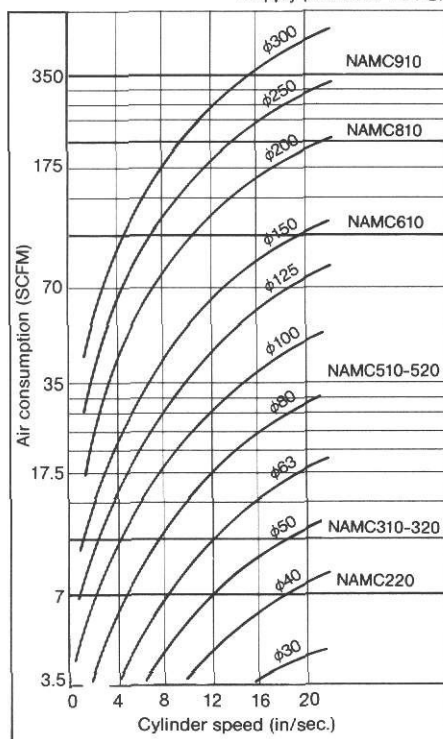
B	Bracket
D	Threaded drain port (Female) except 220.

Port size

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

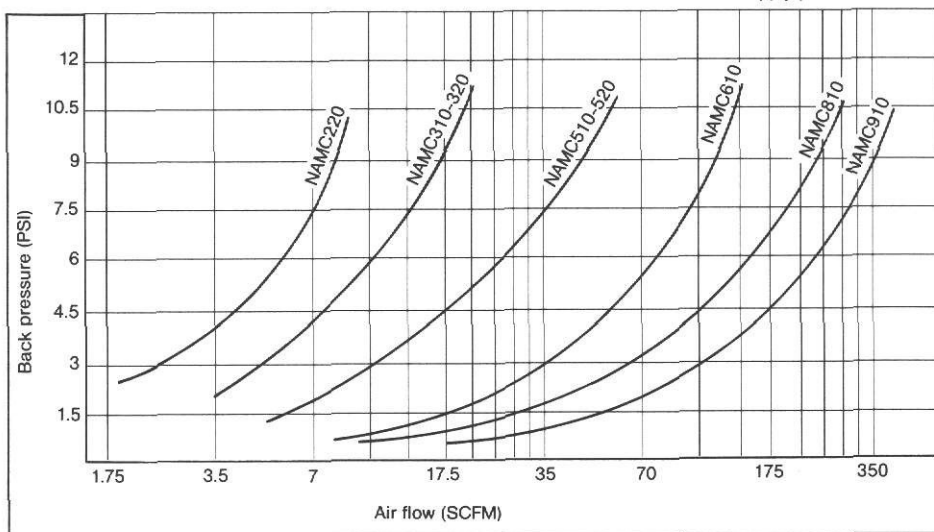
How To Select

Supply pressure: 71 PSI



Flow Characteristics

Supply pressure: 71 PSI



Select a proper unit according to exhaust flow in the following order:

- (1) Determine air consumption of actuators used in the circuit. When the unit is used on a centralized exhaust system, determine total volume of air consumption of actuators which are actuated at the same time in the same circuit. Volume of air inside exhaust pipe lines should also be included, if the exhaust line is longer.
- (2) Select a unit with a capacity exceeding the air consumption, determined in (1).

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