

Air Blow Nozzle (Energy-saving)

BNE Series

● Port size: R1/4

RoHS

Features

- An energy-saving air nozzle that sucks in the surrounding air and amplifies it.
- Two types available: A flat type that blows uniformly along the width and a round type that blows with a pinpoint aim.
  Also, because it injects air with an even distribution, it has high blow efficiency, making the reduction of air consumption possible.
- Resin and metal types available, allowing for selection based on the use or environment.
- A work environment-friendly silent design.

Specifications

Item	BNE-8P10F	BNE-8S10F	BNE-8P10R	BNE-8S10R
Max. working pressure MPa	0.7	1.0	0.7	1.0
Heat resistance temperature °C	120	400	60	400
Port size R	1/4			
Weight g	9	144	2	12
Hole diameter mm	1.0			
Number of holes	16	16	8	8
Air consumption *1 ℓ/min (ANR)	440		245	

*1: Air consumption is the reference value of atmospheric pressure conversion when the standard pressure is 0.3 MPa.

Air Patterns

● Flat type



● Round type



How to order

BNE - 8 P 10 F

Ⓐ Bore size Ⓑ Material Ⓒ Hole size Ⓓ Type

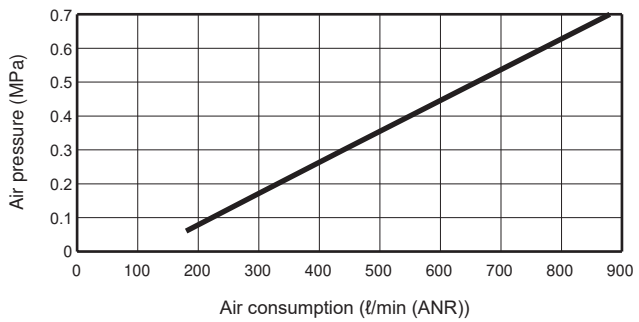
Code	Description
Ⓐ Bore size	
8	R1/4
Ⓑ Material	
P	Resin
S	Metal (stainless steel)
Ⓒ Hole size	
10	ø 1.0
Ⓓ Type	
F	Flat type (42 mm)
R	Round type

Air consumption characteristics

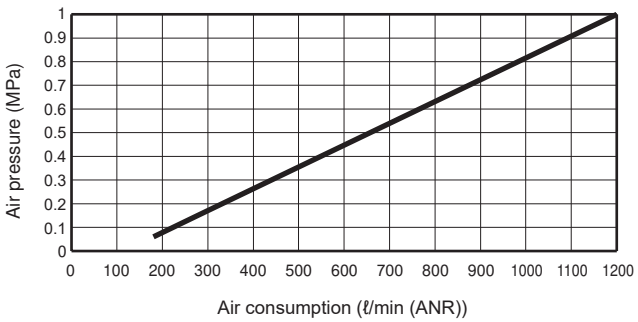
*The air consumption characteristics graph gives reference values, not guaranteed values.

Flat type

● BNE-8P10F

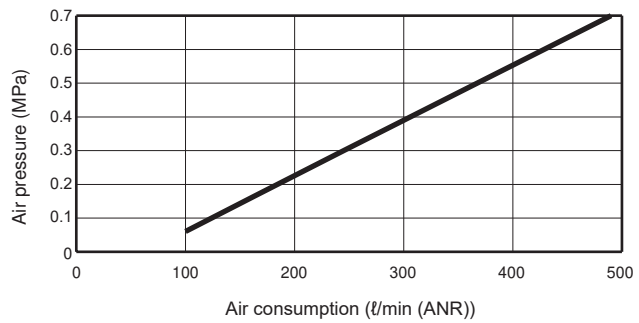


● BNE-8S10F

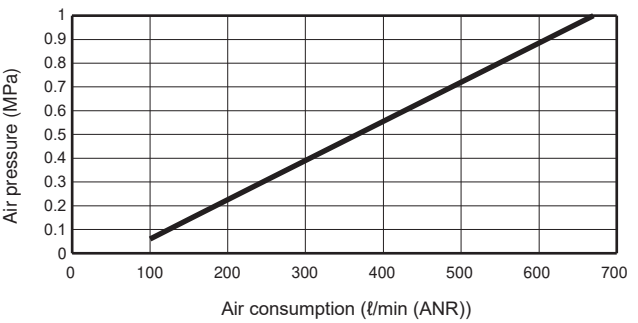


Round type

● BNE-8P10R



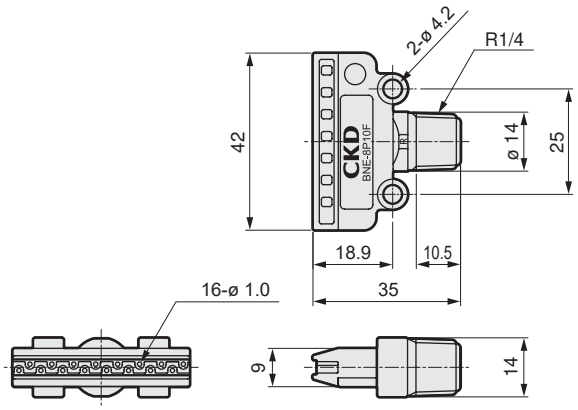
● BNE-8S10R



Dimensions

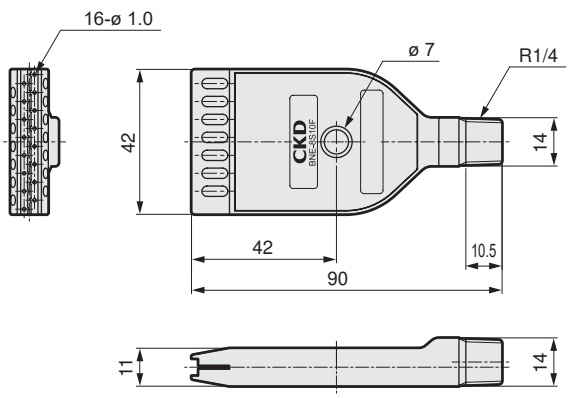
■ Flat type

● BNE-8P10F



Material; PPS

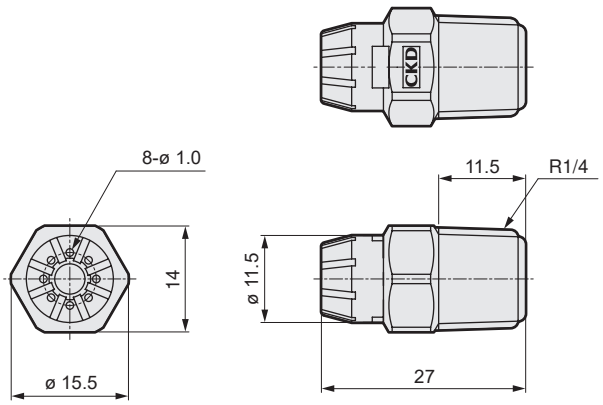
● BNE-8S10F



Material; Stainless steel 316L

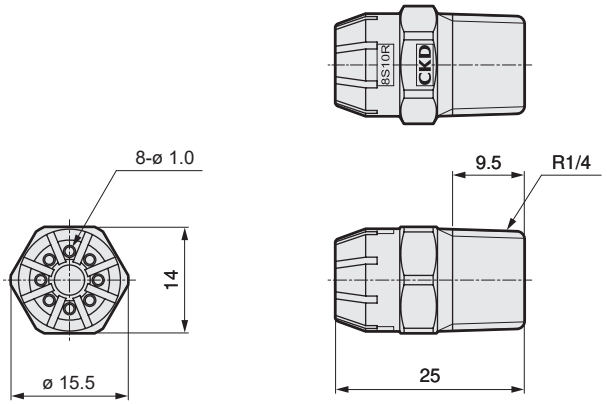
■ Round type

● BNE-8P10R



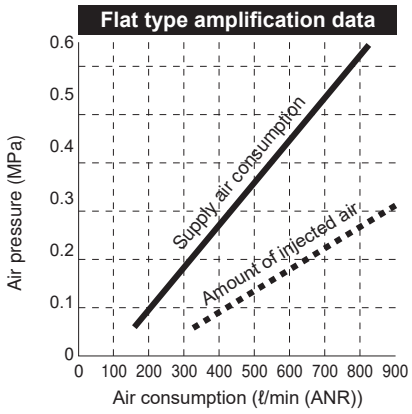
Material; PP

● BNE-8S10R

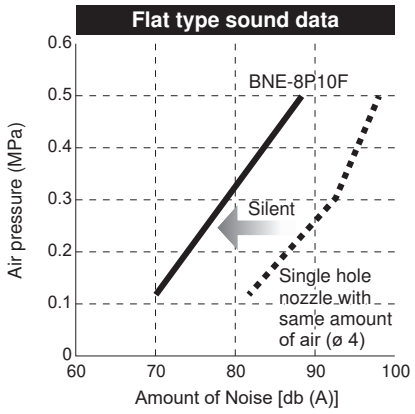


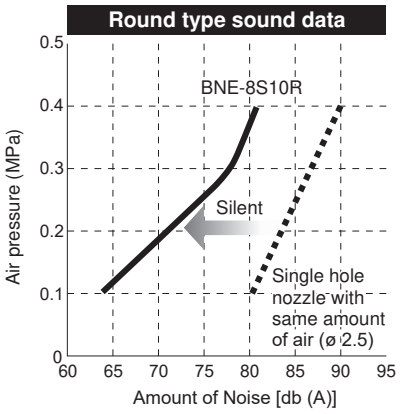
Material; Stainless steel 316L

(Reference) Amplification effect characteristics



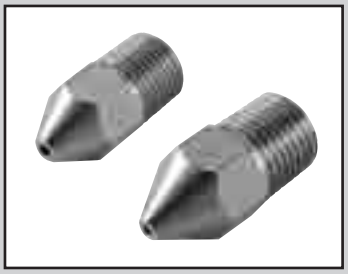
(Reference) Silent effect characteristics





● Measurement position; 1 m ahead of nozzle (1 m high)

● Background noise value; 58 dB (A)



Air Blow Nozzle (General)

BN Series

● Port size: R1/8, R1/4

RoHS

Features

■ A single hole nozzle that injects air very directly.
■ Uses highly corrosion-proof stainless steel 303.
■ Ideal for use in dense areas and in large amounts because it is compact and has good cost performance.

Air Patterns



Specifications

Item	BN-6S10P	BN-8S10P	BN-6S15P	BN-8S15P	BN-6S20P	BN-8S20P	BN-6S25P	BN-8S25P
Max. working pressure MPa	1.0							
Heat resistance temperature °C	400							
Port size R	1/8	1/4	1/8	1/4	1/8	1/4	1/8	1/4
Weight g	7.2	19	7.2	19	7.2	19	7.2	19
Hole diameter mm	1.0		1.5		2.0		2.5	
Air consumption *1 ℓ/min (ANR)	35		80		138		215	

*1: Air consumption is the reference value of atmospheric pressure conversion when the standard pressure is 0.3 MPa.

How to order

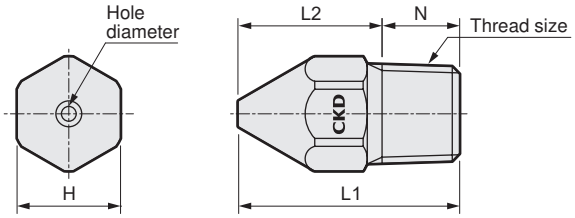
● Blow Nozzle (General Type)

BN - 8 S 10 P

Ⓐ Bore size
Ⓑ Material
Ⓒ Hole size
Ⓓ Type

Code	Description
Ⓐ Bore size	
6	R1/8
8	R1/4
Ⓑ Material	
S	Metal (stainless steel)
Ⓒ Hole size	
10	ø 1.0
15	ø 1.5
20	ø 2.0
25	ø 2.5
Ⓓ Type	
P	Direct (pointed)

Dimensions



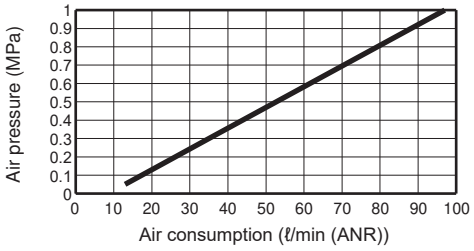
Material; Stainless steel 303

Model No.	Thread size	L1	L2	H	N	Hole diameter
BN-6S10P	R1/8	21	14	10	7	1.0
BN-6S15P	R1/8	21	14	10	7	1.5
BN-6S20P	R1/8	21	14	10	7	2.0
BN-6S25P	R1/8	21	14	10	7	2.5
BN-8S10P	R1/4	30	19.5	14	10.5	1.0
BN-8S15P	R1/4	30	19.5	14	10.5	1.5
BN-8S20P	R1/4	30	19.5	14	10.5	2.0
BN-8S25P	R1/4	30	19.5	14	10.5	2.5

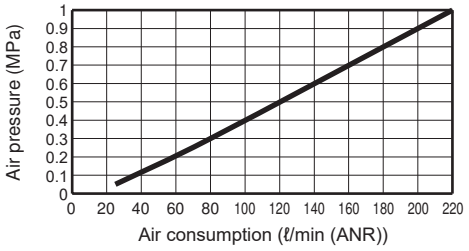
Air consumption characteristics

*The air consumption characteristics graph gives reference values, not guaranteed values.

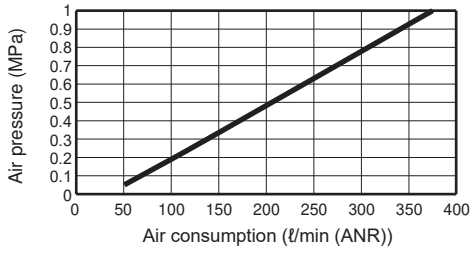
● BN-□S10P



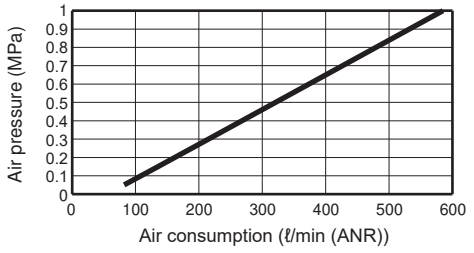
● BN-□S15P

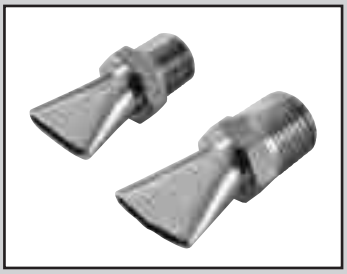


● BN-□S20P



● BN-□S25P





Air Blow Nozzle (Blower Specifications)

BNB Series

● Port size: R1/8, R1/4

RoHS

Features

- A combination blower, compressor and air nozzle that injects blower air efficiently.
- Can be attached in narrow spaces due to a compact size.
- A highly-efficient nozzle that can inject air over a wide range with high force

Specifications

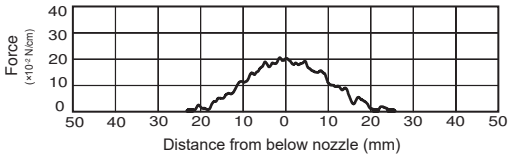
Item			BNB-6S15T	BNB-8S15T
Max. working pressure		MPa	0.7	
Heat resistance temperature		°C	400	
Port size		R	1/8	1/4
Weight		g	10	16
Hole size (W × H)		mm	13 × 1.5	17 × 1.5
Air consumption	*1	m^3/min (ANR)	0.17	0.24
	*2	ℓ/min (ANR)	736	1,016

*1: Air consumption is the reference value of atmospheric pressure conversion when the standard pressure is 20 kPa.
*2: Air consumption is the reference value of atmospheric pressure conversion when the standard pressure is 0.3 MPa.

(Reference) Force distribution

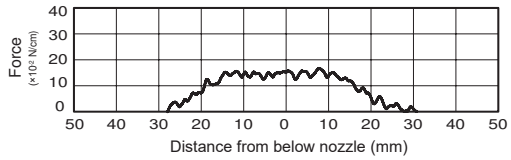
● BNB-6S15T

Spray pressure: 20 kPa, Air consumption: 0.17 Nm^3/min., Spray height: 100 mm



●BNB-8S15T

Spray pressure: 20 kPa, Air consumption: 0.24 Nm^3/min., Spray height: 100 mm



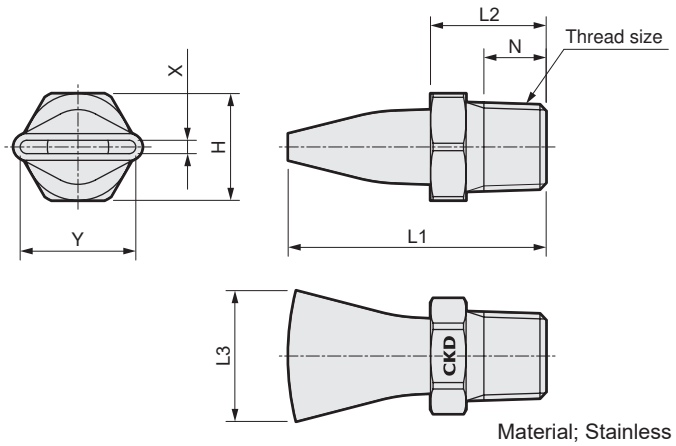
How to order

BNB - 8 S 15 T

Ⓐ Bore size Ⓑ Material Ⓒ Hole size Ⓓ Type

Code	Description
Ⓐ Bore size	
6	R1/8
8	R1/4
Ⓑ Material	
S	Metal (stainless steel)
Ⓒ Hole size	
15	13 × 1.5 (R1/8), 17 × 1.5 (R1/4)
Ⓓ Type	
T	Fan-type

Dimensions



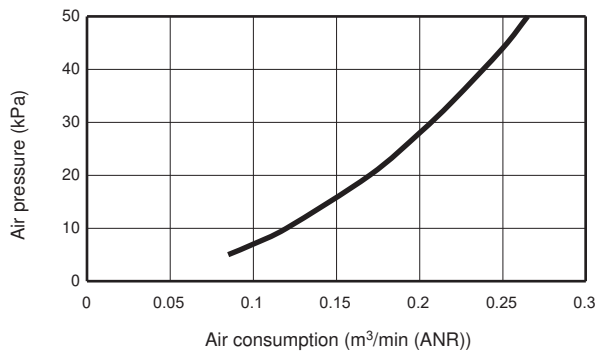
Material; Stainless steel 304

Model No.	Thread size	L1	L2	L3	X	Y	H	N
BNB-6S15T	R1/8	29	13	14.7	1.5	13	12	7
BNB-8S15T	R1/4	37	17.5	18.9	1.5	17	14	10.5

Air consumption characteristics (with blower air)

*The air consumption characteristics graph gives reference values but does not guarantee the values.

● BNB-6S15T



● BNB-8S15T

