Energy-saving (Flat)	
Material	Resin (PPS), Metal (stainless steel)
Blow type	Straight
Air source	Compressor

Standard	
Material	Metal (stainless steel)
Blow type	Pointed
Air source	Compressor

Blower Specifications	
Material	Metal (stainless steel)
Blow type	Fan-shaped
Air source	Blower

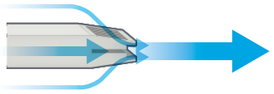
Energy-saving Type (Round)	
Material	Resin (PP), Metal (stainless steel)
Blow type	Round
Air source	Compressor

We recommend installing the "air blow nozzle" to save energy with air blowing.

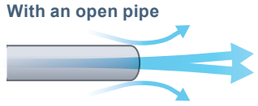
Energy saving

Employs a special structure that sucks in the surrounding air and amplifies it.
Powerfully injects air, even in cases of small air consumption, without increasing the compressor's burden.

With an energy-saving type (flat)
Sucks in not only the surrounding air, but also the internal air.



With an open pipe



Approximately 45% flow reduction

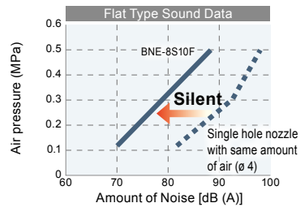
Uniformity

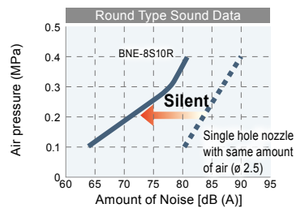
Employs a special structure that injects air to a more uniformly directed spot. Achieves a uniform force along the width of injection by alternating the nozzle holes and air suction holes on the top and bottom. Achieves stable quality of work-pieces through highly efficient air blow with little decay in force from a distance.

A special structure that uniformly injects air

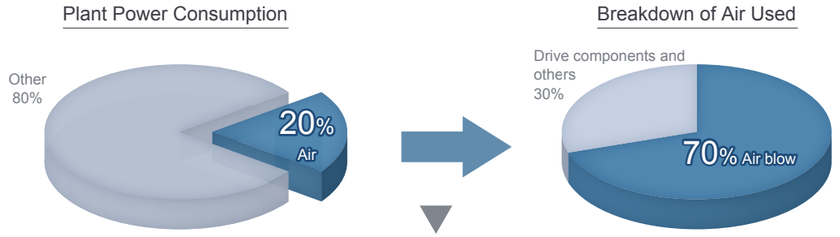
Low noise

In addition to a work environment-friendly silent design that reduces turbulence, there are also flat types and round types for all situations.





Did you know? Approximately 20% of power consumed in a plant is due to compressed air. Approximately 70% of that air is used for air blowing.



A reduction in air blow consumption is necessary for saving energy throughout the plant.

Effects of Installation

Air consumption

	Energy saving type (Flat) Nozzle	Open pipe*1
Air consumption (1 nozzle)	450 ℓ/min (ANR)	900 ℓ/min (ANR)
Annual cost (estimate)	**4,072,000 yen per year**	8,144,000 yen per year

50 nozzles used. For pressure of 0.3 MPa, and operations of 8 hours a day, 20 days a month.
*1. Compared to an open pipe with an equivalent about of injected air.

Approximately 4,000,000 yen reduced per year

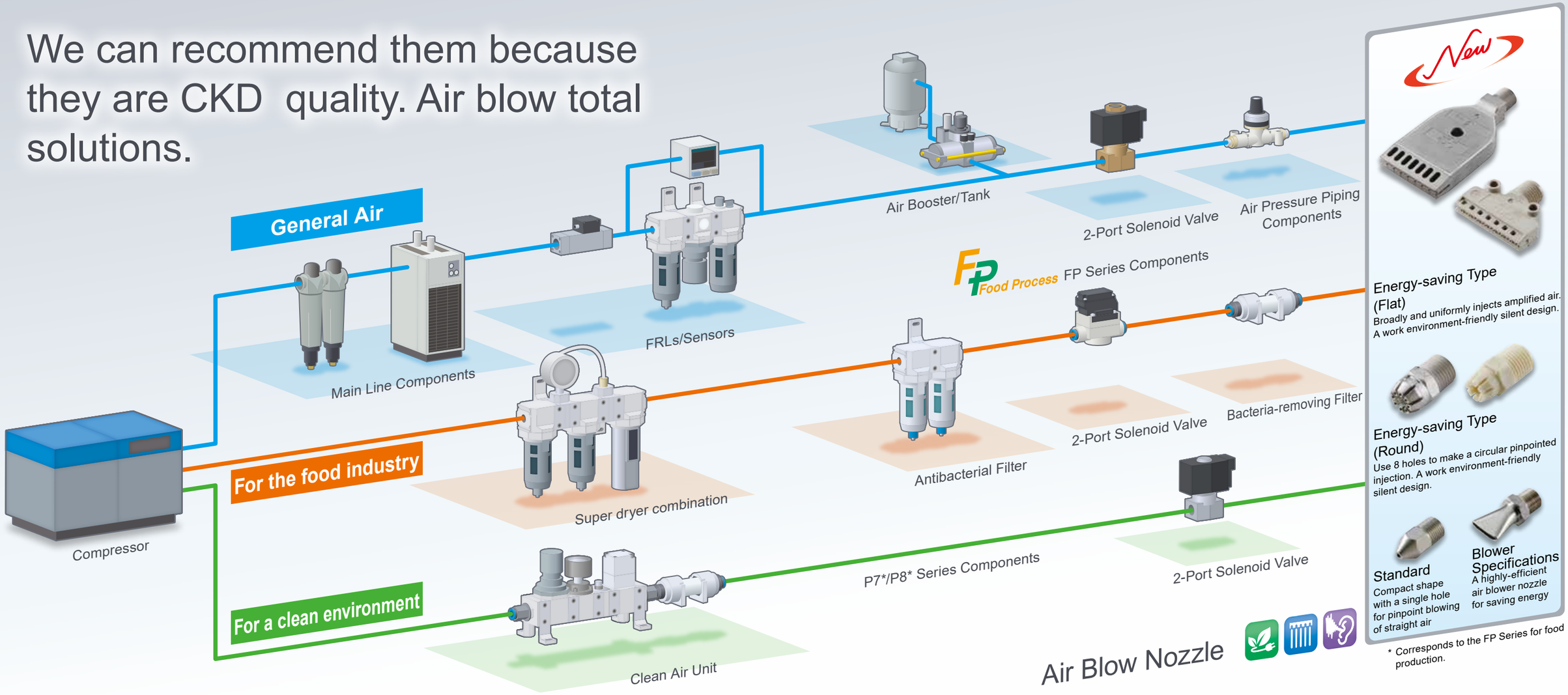
Noise level

	Energy saving type (Flat) Nozzle	Open pipe*1
Amount of Noise (Pressure 0.3 MPa)	**77 dB (A)**	94 dB (A)

Measurement conditions-background noise: 58 dB (A), injection direction: lateral, injection height: 1 m, measurement point nozzle: forward 1 m
*1. Compared to an open pipe with an equivalent about of injected air.

Approximately 17 db (A) reduction

We can recommend them because they are CKD quality. Air blow total solutions.



Main line component

Large main line filter
AF3000 Series
Low pressure loss element is used to contribute to energy saving. Pressure loss is reduced by approx. 1/2 of conventional products.
40 models in 4 series are available to cover a wide range of variations, from 16 to 256 m^3/min. (ANR).

Medium main line filter
AF2 Series
Low pressure loss for a long service life. Simple module connections for further space saving. Differential pressure indicator provided as standard needed to control element service life.

Refrigeration air dryer
GX Series
Thin and compact body. Low air loss drain discharger adopted. Achieves lower power consumption.

Desiccant air dryer
SHD Series
Purge flow rate is minimized with the energy-saving dew point monitor. Achieves low noise with our proprietary 2-level exhaust system.

F.R.L./Sensor

Air unit
CXU Series
Each air component can be made into a module, reducing the number of pipes compared to conventional designs. Piping free, space saving, free combination.

Flow rate sensor
PF Series
For grasping the current situation and confirming the effect of energy. IP64 degree of protection is supported.

Flow rate sensor
FSM3 Series
Functions which pursue the operability of the compact flow rate sensor. Compact even with large flow rates to downsize and lighten your equipment. A line-up of display integrated and display separated models.

Pressure switch
PPX Series
Air pressure is electrically detected, displayed and outputted. The digital display increases visibility.

Fluid Control Valves

Pilot operated 2-port solenoid valve for compressed air
EXA Series
Large flow rate (over 450 ℓ/min.*) and low power consumption (0.6 W) contribute to energy savings.
*ø 6 fitting Primary pressure: 0.5 MPa
Secondary pressure: potential value of atmospheric release

Air Pressure Piping Components

Needle valve with adjusting dial
DVL Series
Needle position value is displayed with the dial so that anyone can easily adjust the flow rate.
Linear flow characteristics in proportion to dial position.

Inline filter
FSL Series
Compact, lightweight and space saving inline filter. Use either positive or negative pressure.

Antibacterial/Bacteria-killing Filter

Antibacterial/Bacteria-removing Filter
SFC-FP2 Series
- Bactericidal activity value 3.
- Bacteria trapping performance LRV8 or more.
- Inline type bacteria removing filter also available.

FP Series

FP Food Process

An extensive lineup of everything from air filters to actuators allows for secure and safe use in food processing.
FP1 Series: Food-grade (NSF H1) lubricants are used for flow passages and sliding portions.
FP2 Series: In addition to FP1, this series' flow paths use resin and rubber materials that are compliant with the Food Sanitation Act.

: Energy saving : Uniformity : Low noise
: Long service life : Space saving