

Jets out cold air by supplying compressed air!  
Simple application of spot cooling in various fields!



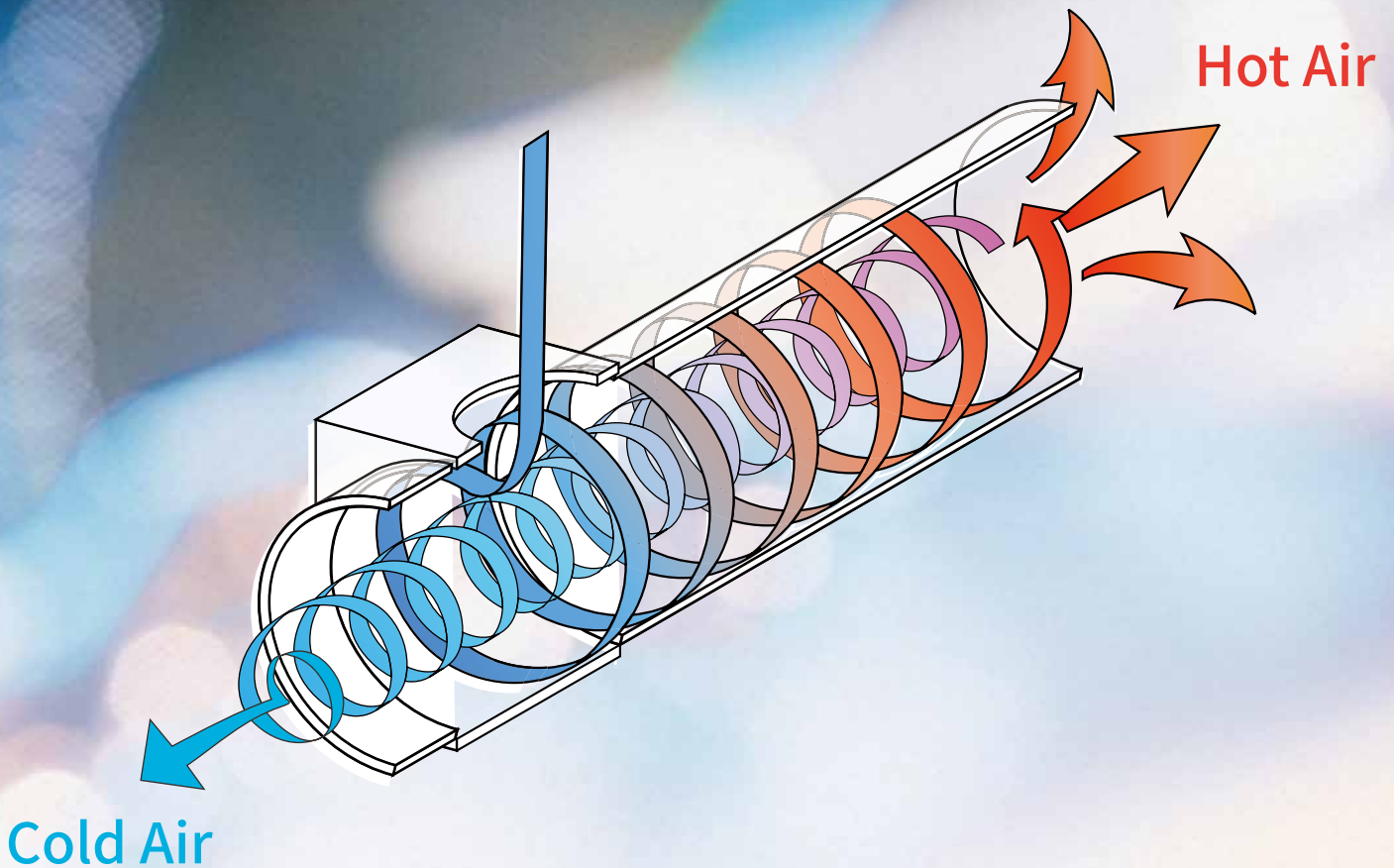
# Cold Air Generator Jet Cooler

# JET COOLER



N Series

K Series



# No electricity! Long Life!

(N-Series) (K-Series)

## Jets out cold air 40°C/60°C colder (maximum) than inlet air by only supplying compressed air

Jet cooler is a cold air generator, applying a principle of swirling theory, which does not have any moving parts. Without need of refrigerant or electricity, the jet cooler whirls compressed air inside of the tube at high speed and then separates it into hot air and cold air. The generated cold air is readily used for spot cooling in many fields.



**N Series**  
Drop Temp. -40°C



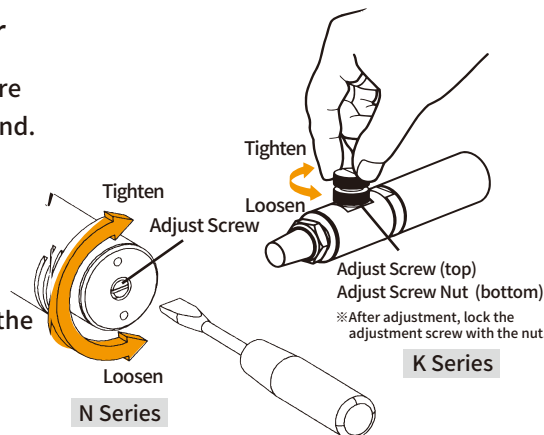
**K Series**  
Drop Temp. -60°C

### Features of K-Series

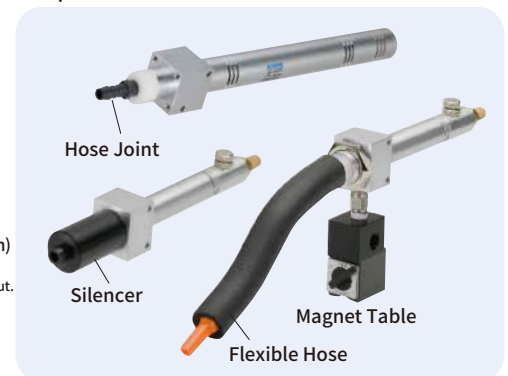
- Low temperature, small size
- Panel installation possible
- Silencer can be installed
- Piping on the hot air side is possible
- ※ Be careful of burns on the hot air side

### Adjustment of Cold Air

Adjust the cold air temperature with the adjust screw at the end. Loosen it to lower the temperature and to decrease the generated air amount. Tighten it to raise the temperature and to increase the generated air amount.

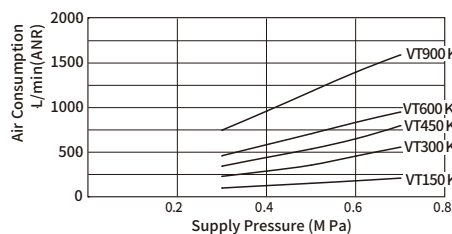
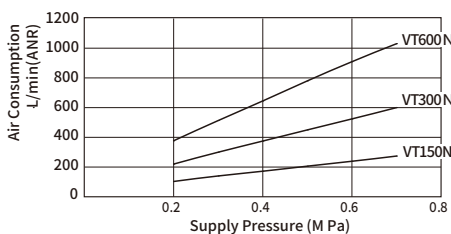


### Options



### Specifications

#### ▼ Air Consumption



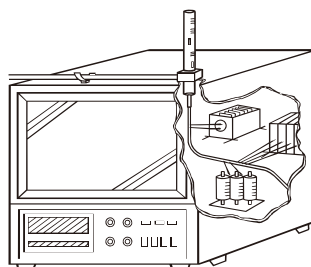
#### ▼ Inlet air pressure

N Series	0.2~0.7 M Pa
K Series	0.3~0.7 M Pa

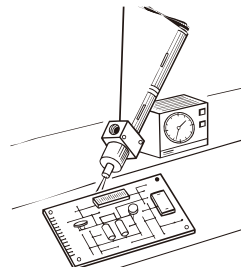
### Applications

- Cooling Soldering
- Cooling Plastic Processing
- Cooling Electrical Cabinet
- Cooling CCTV Cameras
- Cooling Sewing Needles
- Cooling Spot Welding
- Fortifying Electric Wire
- Cooling Molded Parts

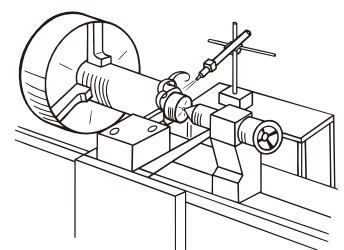
#### 【 Cooling Electrical Cabinet 】



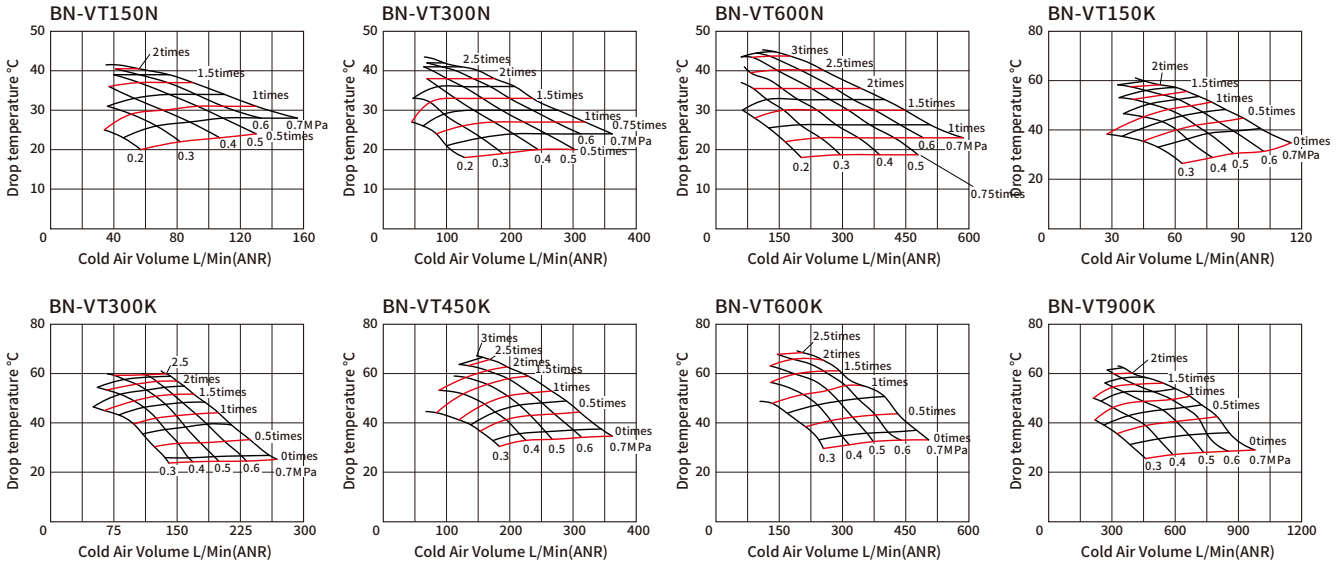
#### 【 Cooling Soldering 】



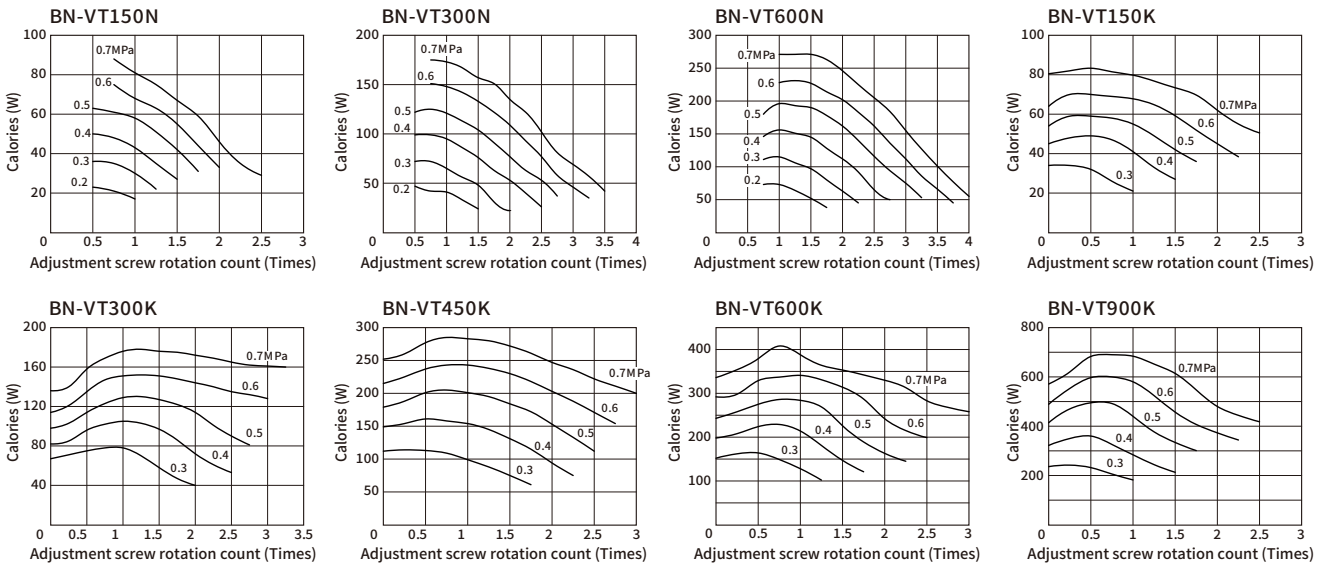
#### 【 Cooling Plastic Processing 】



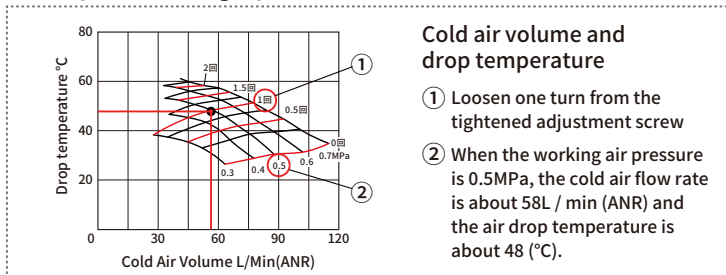
▼ Cold air volume and drop temperature



▼ Cooling capacity



Description of the graph (ex. BN-VT150K)



Cold air volume and drop temperature

- ① Loosen one turn from the tightened adjustment screw
- ② When the working air pressure is 0.5MPa, the cold air flow rate is about 58L / min (ANR) and the air drop temperature is about 48 (°C).

Model name example

▼ JET COOLER Body

BN – VT 150N

Jet Coller Model	
VT150N	VT150K
VT300N	VT300K
VT600N	VT450K
	VT600K
	VT900K

▼ Options

BN – VT 15 M

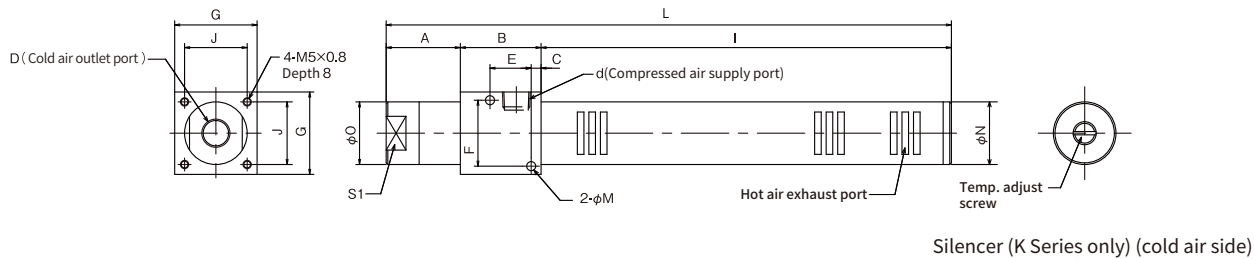
Applicable Jet Cooler	
15	VT150N,VT150K
30	VT300N,VT300K
60	VT600N
	VT450K,VT600K
90	VT900K

M	Magnet Table
H	Flexible Hose with Insulation
J	Hose Joint
S	Silencer (Only K Series)

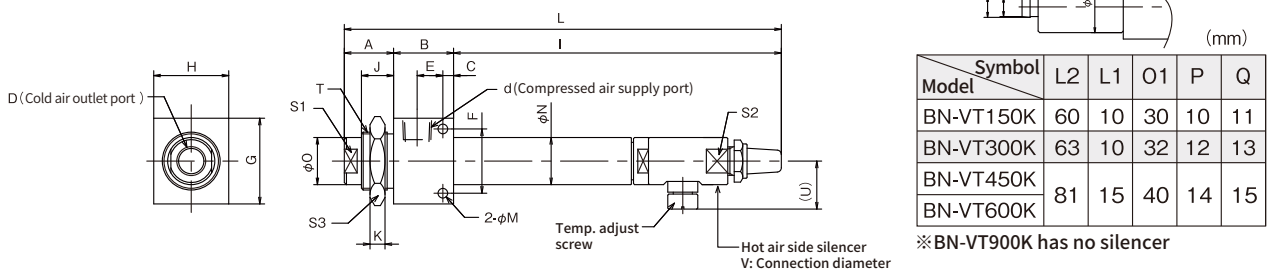
※VT900K is a flexible hose only.  
 ※The silencer and flexible hose cannot be installed at the same time.

## Dimensions

### ▼BN-VT150N BN-VT300N BN-VT600N

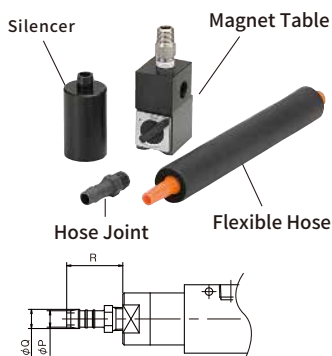


### ▼BN-VT150K BN-VT300K BN-VT450K BN-VT600K BN-VT900K



Symbol Model	A	B	C	d	D	E	F	G	H	I	J	K	L	M	N	O	S1	S2	S3	T	U	V	질량 (kg)	
BN-VT150N	26	31	5	Rc1/8	Rc1/8	12	26	35	-	171	25	-	228	4.5	25	22	19	-	-	-	-	-	-	0.25
BN-VT300N	31	38	5	Rc1/4	Rc1/4	18	33	40	-	246	30	-	315	5.5	30	28	24	-	-	-	-	-	-	0.45
BN-VT600N	45	49	6	Rc3/8	Rc3/8	25	40	50	-	249	38	-	343	5.5	38	38	32	-	-	-	-	-	-	0.85
BN-VT150K	21	24	5	Rc1/8	Rc1/8	10	24	35	30	153	13	7	198	4.5	20	20	17	18	32	M24×1.5	22	Rc1/4	0.25	
BN-VT300K	23	28	5	Rc1/4	Rc1/4	12	30	40	35	153	15	7	204	4.5	22	22	19	19	36	M27×1.5	22	Rc1/4	0.30	
BN-VT450K	27	37	7	Rc3/8	Rc3/8	16	36	50	40	208	15	10	272	6.6	32	30	26	27	46	M33×1.5	31	Rc1/2	0.60	
BN-VT600K																								
BN-VT900K	43	47	9	Rc1/2	Rc1/2	20	50	65	65	306	23	15	396	9	45	40	34	36	75	M48×1.5	48	Rc3/4	2.0	

## Options



(When installing the hose joint)

Option	Item	VT150N VT150K	VT300N VT300K	VT450K	VT600N VT600K	VT900K
Magnet Table	Connection	Rc1/4	Rc1/4	Rc3/8	Rc3/8	-----
	Dimensions(WxDxH)	30×39×63	30×39×63	55×60×97	55×60×97	-----
	Weight(kg)	0.3	0.3	1.4	1.4	-----
Flexible Hose (with insulation)	Connection	R1/8	R1/4	R3/8	R3/8	R1/2
	Nozzle Dia.(mm)	φ 6	φ 6	φ 12.7	φ 12.7	φ 12.7
	Length(mm)	200	200	300	300	300
Hose Joint	Dimensions (P <sub>Q</sub> ×R)	8/10/34	10/12/38	12/14/51	12/14/51	-----
	Hose Inner Dia.(mm)	φ 8	φ 10	φ 12	φ 12	-----
Silencer	Dimensions	See dimension table above				
	Silencing effect	Reduced by 8 to 12 dB. (Depends on the amount of cold air)				
	Weight(g)	31	35	70	70	-----

※ The length of the flexible hose is the length from the screwed part of the main body to the tip of the nozzle.

※ When using flexible hoses and hose joints, make sure that the cold air temperature does not drop below -20 °C.

※ Silencer and flexible hose cannot be installed at the same time.

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- Please make sure that air filters and regulators are equipped with the air line system.
- For use in cold temperature, use an air dryer to prevent freezing.
- For correct handling, read the instruction manual before installing.
- Be careful of burns on the hot air side.



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