

MJC

Cold air generator

JET COOLER

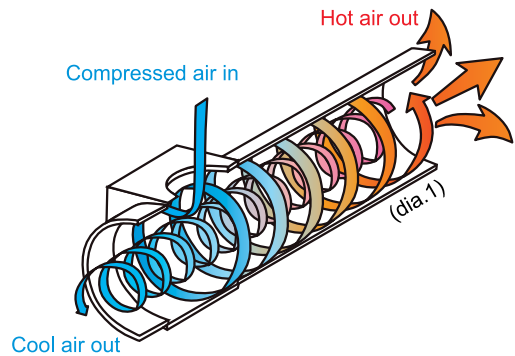


automax[®]

FEATURES

Jet out cooler air maximum 60°C lower than the inlet air only by supplying compressed air.

- Three kinds of connection type : (1) hose connection (2) pipe taper male thread (3) pipe taper female thread.
- Uses the theory of vortex, no moving parts are used in the construction, hence long life sustainability.
- Does not require coolant or an electrical source, utilises the high speed flow of compressed air for generating cool air from hot air. Ideal for applications where rapid cooling is required, (ie) Spot Welding.
- Can produce consistent supply of cool air even when the supply in is 40 Degrees C. By changing air consumption you can simply change the cooling temperature.



1 Compressed air supply only

2 No electricity

3 Long life

4 User friendly

5 Two models

ORDER CODES

MJC - 150K - S - □

MODEL
MJC

SIZE
150K
300K
450K
600K

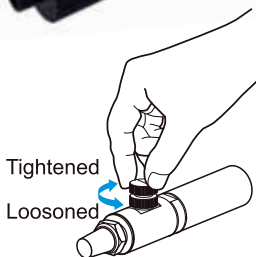
ACCESSORY
Blank : Standard type
S : Silencer
Decrease 8-12dB
(based on the flow rate)

PORT THREAD
Blank : Rc thread
G : G thread
NPT : NPT thread




Cool air adjustment

MJC-K Temperature drop 60°C



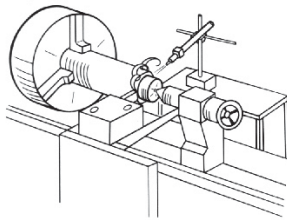
Adj. screw (up)
Adj. nut (down)
※ When the adj. screw has set, lock the adj. nut.

- Rapid temperature drop.
- Panel mounting option available.
- Can be fitted with silencer on cold side, thus reducing noise.
- Can be piped on the hot side.

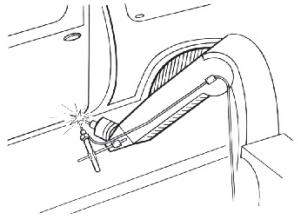
 ● Please make sure that air filters and regulators are equipped with the air line system.
● For use in cold temperature, use an air dryer to prevent freezing.

APPLICATIONS

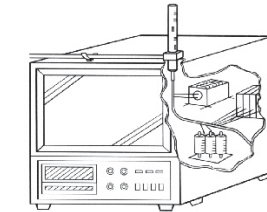
■ Cooling whilst machining plastic



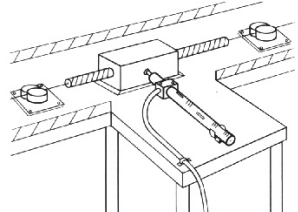
■ Cooling whilst spot welding



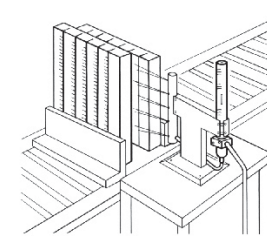
■ Cooling internals of camera control box



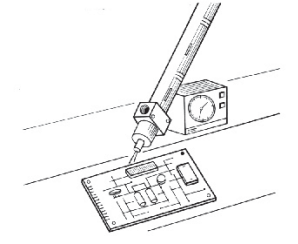
■ Cooling whilst wire cutting



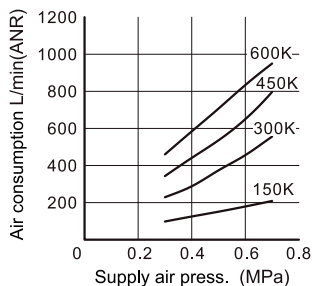
■ Cooling soldering items



■ Cooling whilst welding



Air consumption

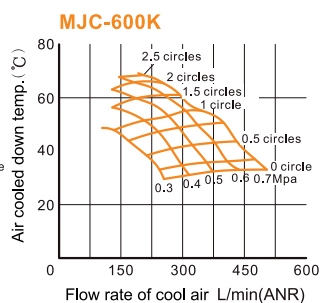
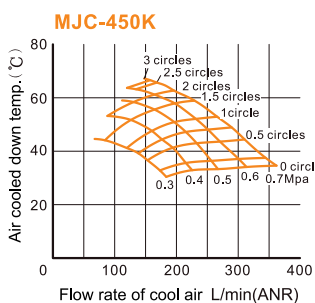
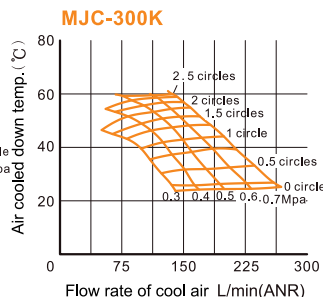
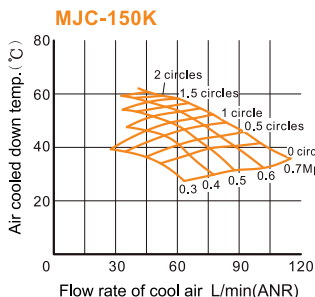


Specification

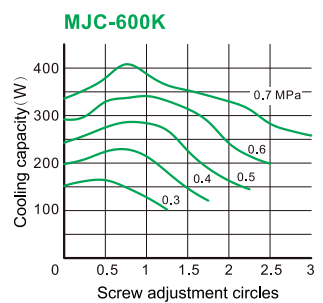
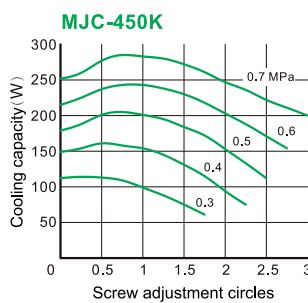
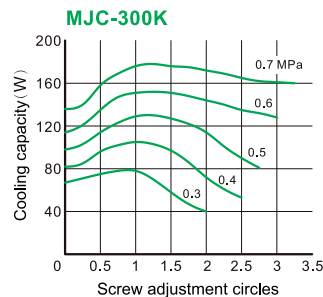
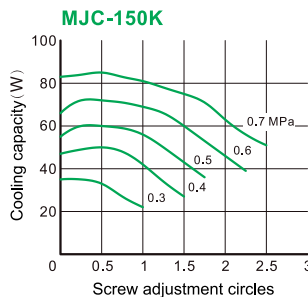
Model	Working pressure (MPa)	Max. temp. drop (°C)	Cool air out port	Weight (kg)
MJC-150K	0.3~0.7	60	Rc1/8	0.25
MJC-300K	0.3~0.7	60	Rc1/4	0.30
MJC-450K	0.3~0.7	60	Rc3/8	0.60
MJC-600K	0.3~0.7	60	Rc3/8	0.60

※The max. temp. drop is the difference in temp. between the input and the output.

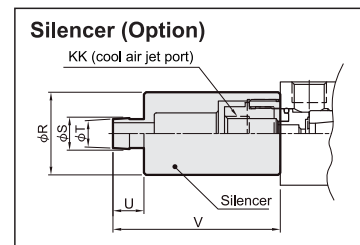
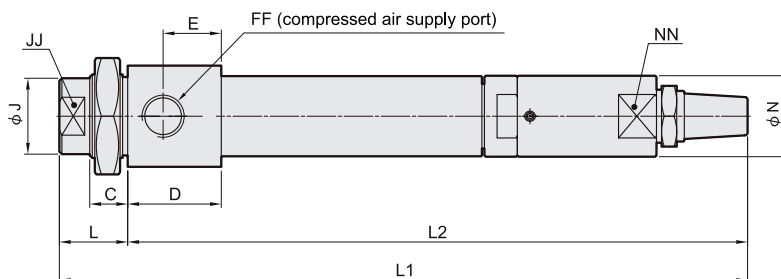
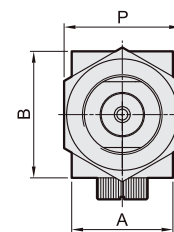
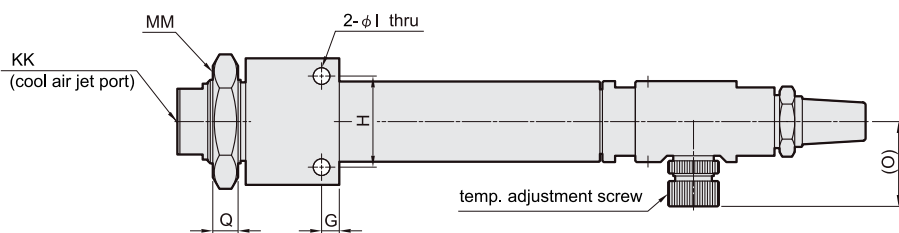
Temperature drop of cool air



Cooling capacity



DIMENSIONS



Code Model	A	B	C	D	E	FF	G	H	I	J	JJ	KK	L	L1	L2	MM	N	NN	O	P	Q	R	S	T	U	V
150K	30	35	13	24	15	Rc1/8	5	24	4.5	20	17	Rc1/8	21	198	177	M24×1.5	20	18	22	32	7	30	11	10	10	60
300K	35	40	15	28	17	Rc1/4	5	30	4.5	22	19	Rc1/4	23	204	181	M27×1.5	22	19	22	36	7	32	13	12	10	63
450K / 600K	40	50	15	37	23	Rc3/8	7	36	6.6	30	26	Rc3/8	27	272	245	M33×1.5	32	27	31	46	10	40	15	14	15	81

Les dimensions et descriptions de nos appareils peuvent subir des modifications dans un souci d'amélioration des performances, ces dimensions peuvent être modifiées sans préavis de notre part.