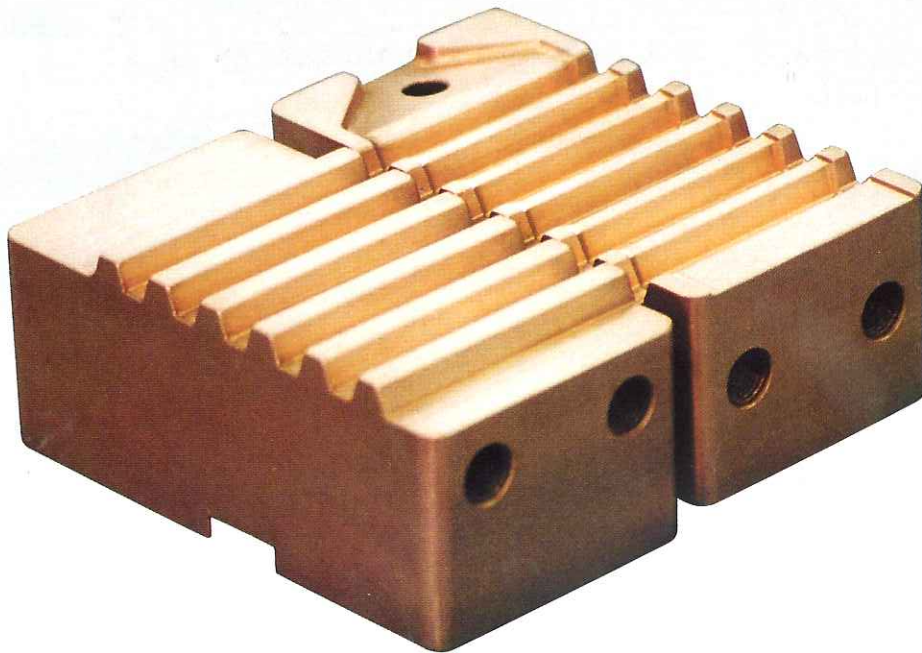




NGK Chill-Vent

A Beryllium Copper Chill-Vent

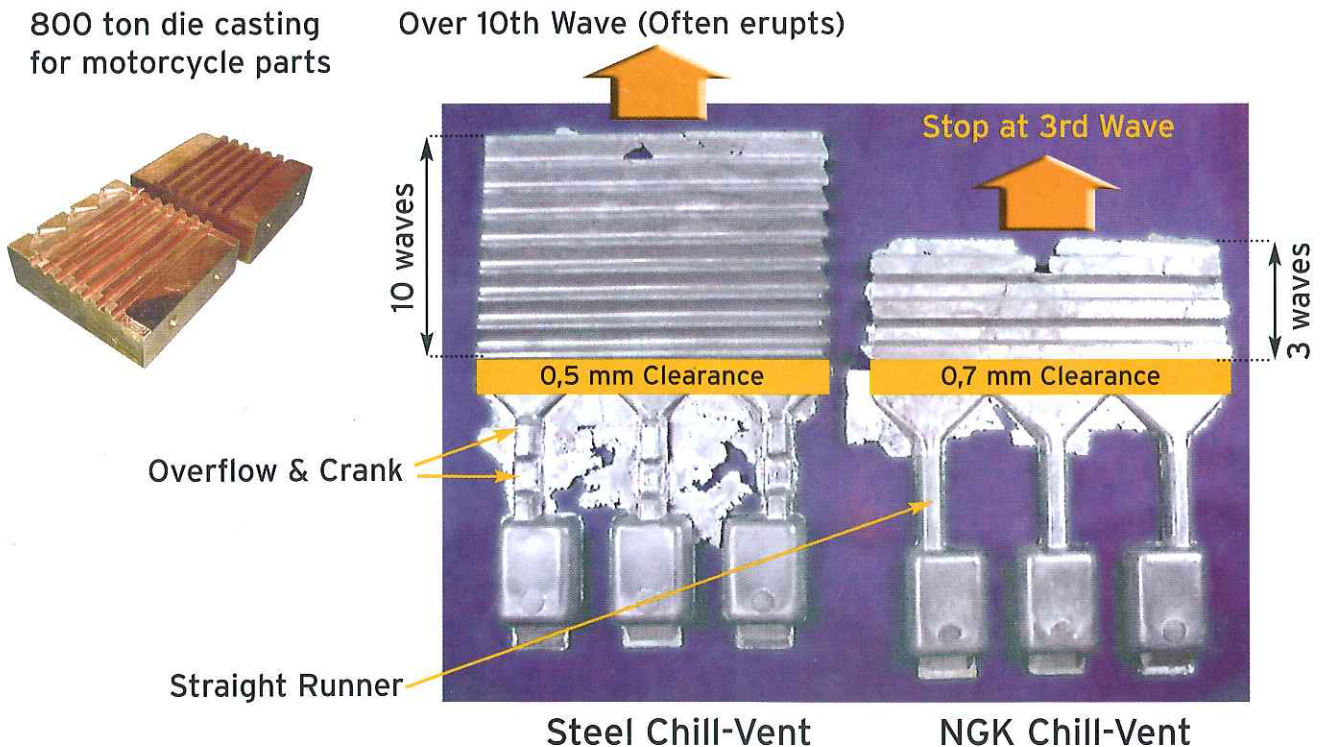


Advantages

Utilising Beryllium Copper Alloy MC9 which has five times higher thermal conductivity than steel, NGK Chill-vent provides ideal ventilation capacity as well as the following solutions to the major problems for aluminium die casting operations:

- ➔ reduces porosity and blow hole defects
- ➔ eliminates the possibility of aluminium eruptions
- ➔ eliminates aluminium/vent reactions
- ➔ simplifies die design to reduce mold size
- ➔ simplifies ventilation control in vacuum systems

Application example



"Eliminates the possibility of aluminium eruptions"

C-Block variation

C-Block, a standard chill vent designed and manufactured by NGK, is available in various combinations and configurations for both non-vacuum and vacuum die casting systems.

1. Non-vacuum type dimensions

Dimensions in mm

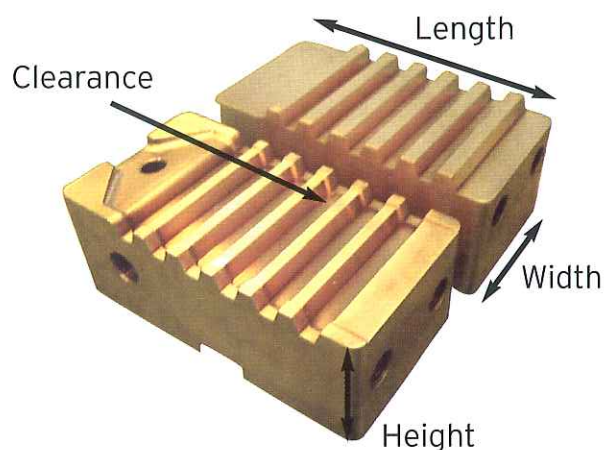
Art. code	E-CL7	L-CL7	M-CL7	S-CL7
	E-CL9	L-CL9	M-CL9	S-CL9
Length	150	135	120	105
Width	80	70	60	50
Height	50	50	50	50
Clearance	0,7/0,9	0,7/0,9	0,7/0,9	0,7/0,9

2. Vacuum type dimensions

Dimensions in mm

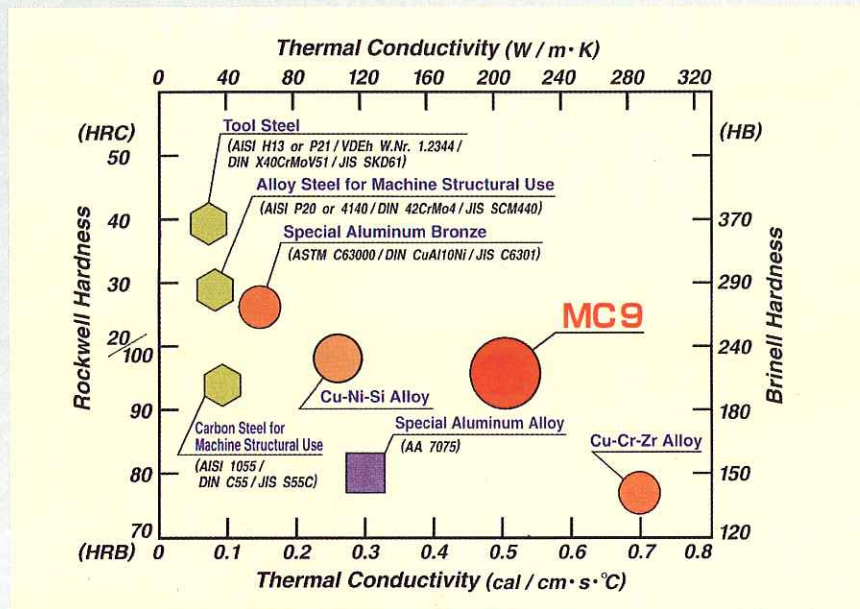
Art. code	VE-CL7	VL-CL7	VM-CL7	VS-CL7
	VE-CL9	VL-CL9	VM-CL9	VS-CL9
Length	185	175	155	135
Width	100	90	90	80
Height	50	50	50	50
Clearance	0,7/0,9	0,7/0,9	0,7/0,9	0,7/0,9

E,L,M and S represent the C-Block size of Extra-large, Large, Medium and Small. The extensions -CL7 and -CL9 represent the clearance of 0,7 mm and 0,9 mm.



NGK engineering service is ready to assist in the design and manufacture of beryllium copper chill vents for your specific application.

Material chart



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