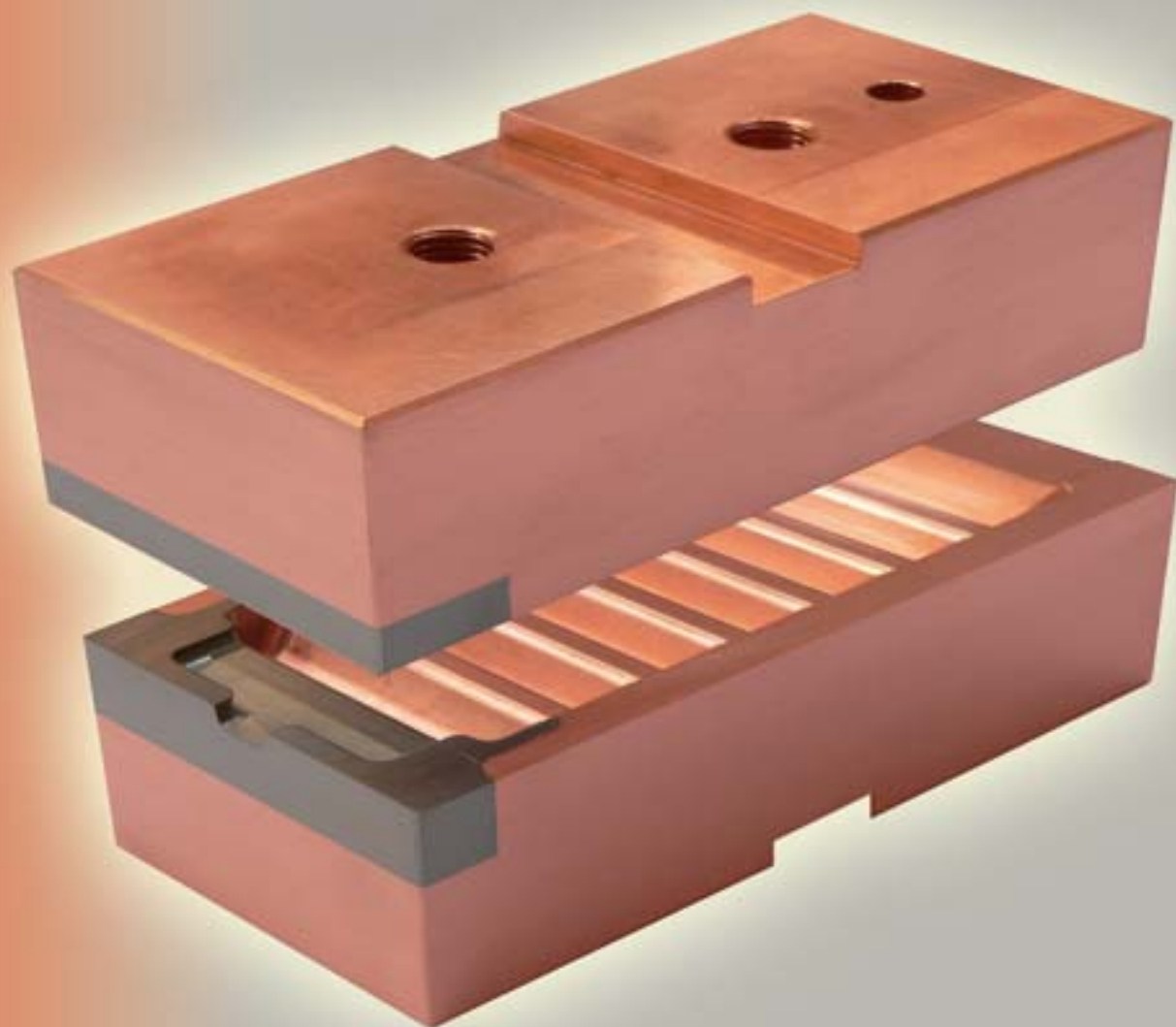


MiniVent

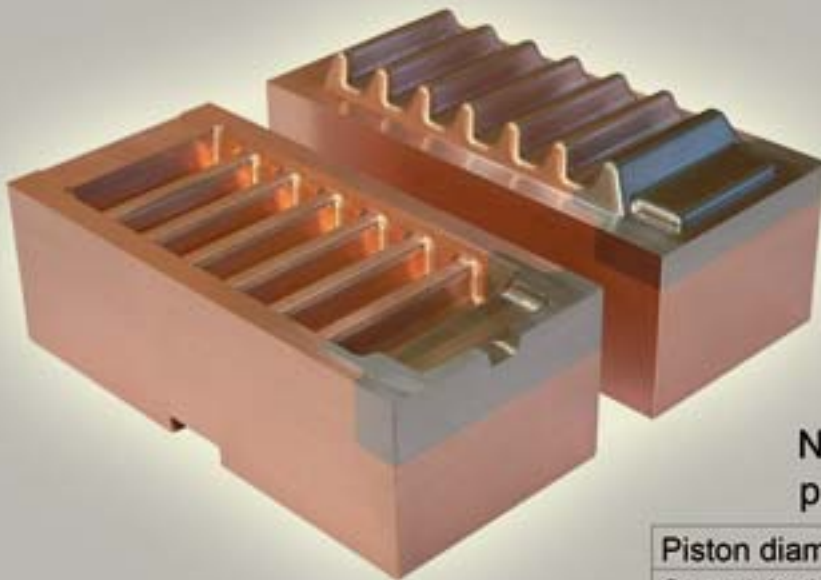


*Optimal die venting
for small dies !*

MiniVent

MiniVent Venting-Block

The newly developed MiniVent series is the optimal venting-block for small dies. The ideal combination of a material having high thermal conductivity, a wear and temperature resistant insert and an optimised geometry allows a larger venting profile and at the same time guarantees solidification of aluminium, magnesium and zinc. MiniVent does not require cooling or ejector pins. It can be adopted easily and fast to your application.



Necessary venting section
pressure enforced venting

Piston diameter	K_D	mm	50,00
Speed 2nd phase	$V_{2,Ph}$	m/s	4,20
Gate area	F_A	mm ²	210,00
Venting section	F_E	mm ²	41,20

- High venting efficiency
- Minimum maintenance required (no moving parts)
- No spraying required

CAD design and CNC machining allow individual adjustments to existing die designs and short lead times

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Benefits resulting from using MiniVent

- Reduced gas porosity
- Improved mechanical properties
- Less scrap
- Minimized flash on the parting area
- Long service life

Increased process reliability and productivity reduce your cost significantly

MiniVent types

Pressure enforced die venting

Type	Assembly dimensions in mm				Venting section in mm ²
	Width	Length	Height		
			fixed die half	moving die half	
MV 50	50	120	50,0	50,0	20
MV 60	60	120	50,0	50,0	26
MV 70	70	150	50,0	50,0	38
MV 80	80	150	50,0	50,0	45

Vacuum

Type	Assembly dimensions in mm				Venting section in mm ²
	Width	Length	Height		
			fixed die half	moving die half	
MV 80V	80	180	50,0	50,0	58


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Competence from one source

- MiniVent, OptiVent, TopVac
- More than 25 years of experience in the die casting business
- Computer assisted calculation of the venting system for the die
- Mounting of MiniVent and necessary modification of the venting system in our tool shop

For further information:

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