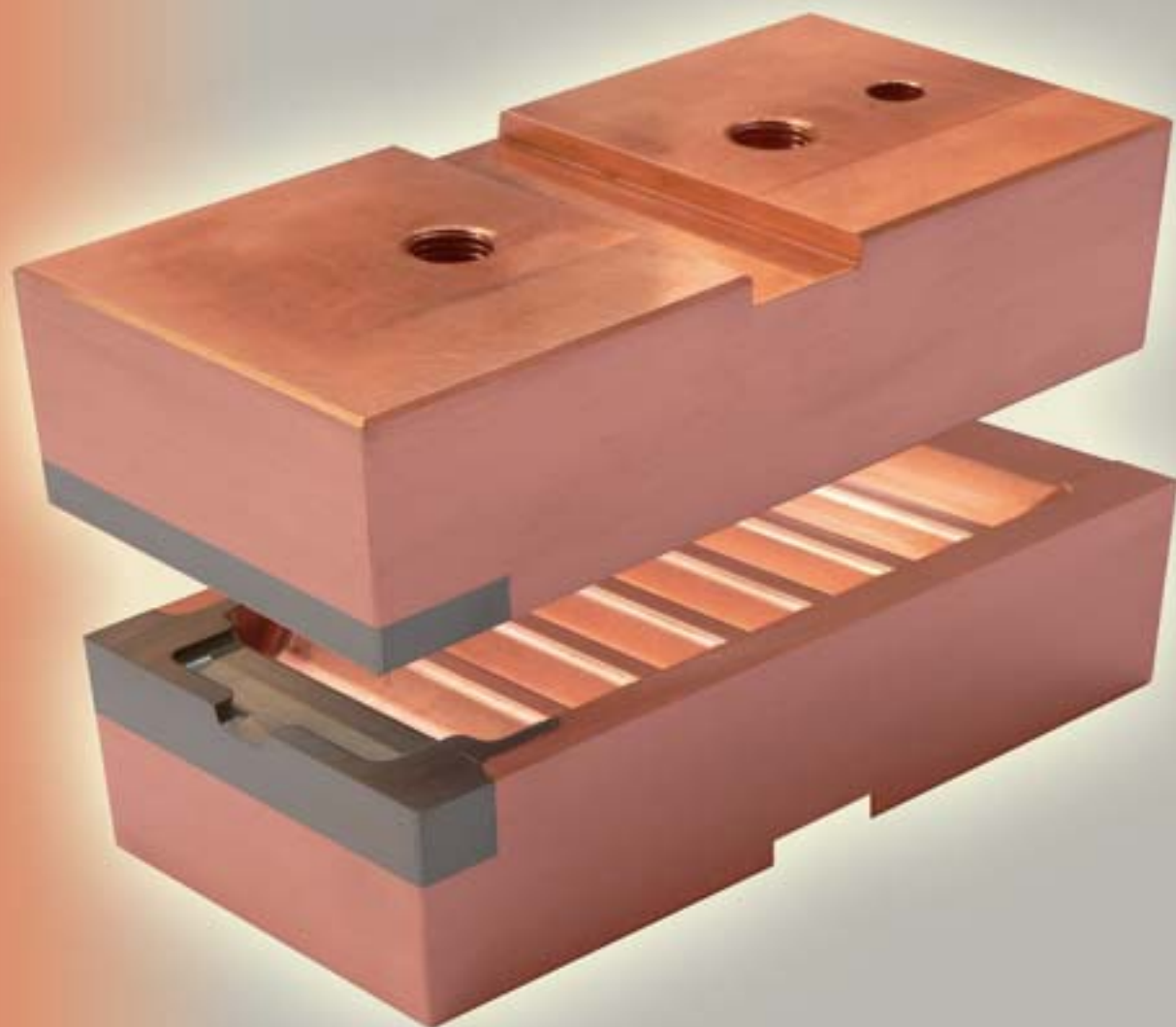


# *MiniVent*

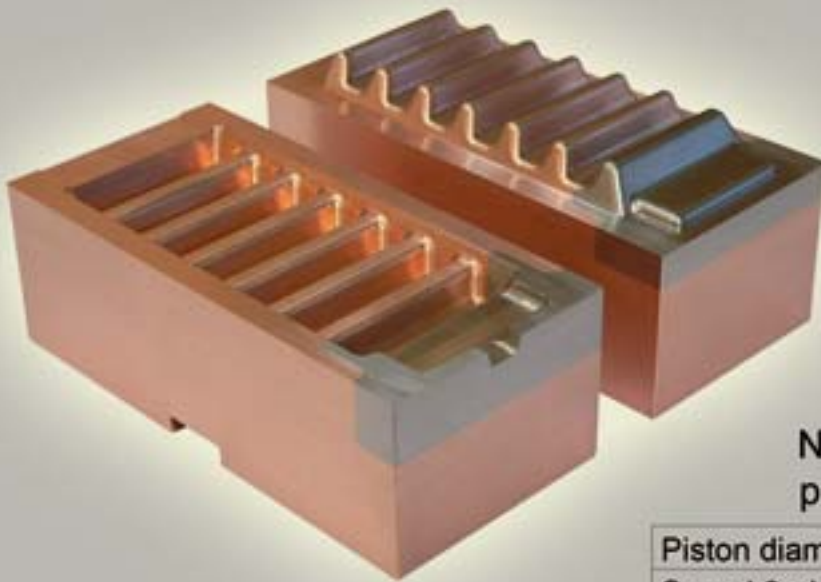


*Optimal die venting  
for small dies !*

# 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 <sup>2</sup>	210,00
Venting section	$F_E$	mm <sup>2</sup>	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

*Optimal die venting  
for small dies !*

# MiniVent

## 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 <sup>2</sup>
	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 <sup>2</sup>
	Width	Length	Height		
			fixed die half	moving die half	
MV 80V	80	180	50,0	50,0	58


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for small dies !*

# MiniVent

## 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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