MIDLAND TECHNOLOGIES VACUUM AND VENT BLOCK SIZING FORM

The following information is utilized to calculate the necessary evacuation area for the casting application and suggest an appropriate vacuum or vent block size. The accuracy of the information provided can affect results of the calculation. Where possible, providing us with a 3D part model will help to confirm needed data. Please note your units of measure.

UNITS OF MEASURE	English	Metric
CUSTOMER AND TO	OOL INFORMATION	CASTING INFORMATION
Date: Company: Contact Name: Contact Phone: Contact Email: Part ID: Tool Condition: System Requested:	New Retrofit Vacuum Venting	No. of cavities:
DIE CAST MACHIN	NE INFORMATION	Cavity fill time(ms): Casting alloy: HOT CHAMBER COLD CHAMBER
Manufacturer: Model no.: Tonnage: Shot cylinder diameter <i>(in.) (mm):</i> Hydraulic system pressure (psi) (bar):		Plunger diameter Diameter (in.) (mm): Diameter Plunger stroke Length (in.) (mm): Length Goose neck length Image: Comparison of the stress
Fast shot accumulator pressure (psi) (bar): Dry shot speed (<i>in.</i>) (<i>mm</i>):		(in.) (mm):

ADDITIONAL NOTES:

Midland Technologies utilizes PQ² methodology along with proprietary calculations to determine the required evacuation area for vacuum-assist or venting in a specific tool. Midland will provide a recommended exit runner design at no cost with the purchase of a Midland Valve-Less Vacuum or Ultimate Vent Blocks and the provision of a 2D tool layout.

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