

MOLD VAC

Vacuum & Blowback Controller

Custom microprocessor allows for precise control of vacuum and blowback.

Control - Custom microprocessor allows for precise control of vacuum and blowback functions. Vacuum control can be adjusted to 1/10th of a second, eliminating flash and improving part quality.

Limit Switches - One set of limit switches are provided. 1st (mounted on platen) is energized at mold closed (vacuum). The second switch is energized at mold full open (blowback).

Vacuum Circuit - Eliminates part burns, voids, and short shots. Reduces reject rates and improves part quality. Vacuum cycle can be adjusted from 0-24"hg.

Vacuum Reservoir - All units are designed with a vacuum reservoir which is discharged at mold closed. This feature provides an instant vacuum within the mold.

Blowback Circuit - The patented two-phase blowback assists in part ejection (1st phase) and purges vented pins (2nd phase) after each cycle. Purging of the vent pins reduces mold maintenance and increases productivity.



* Add 110 to the end of the part number when ordering voltage.

** Add 220 or 480 to the end of the part number when ordering voltage.



Series 10,000

Series 20,000

Series 40,000

	MV10KDME*	MV20KDME**	MV40KDME**
Performance Characteristics			
Vacuum Rating (in3/s)	36	900	1,665
Vacuum Reservoir (in3)	74	2,700	5,000
Vacuum Level (in of hg) ¹	20-24	20-24	20-24
¹ Vacuum rating and levels are approximate based on mold design & construction			
Physical Dimensions (US)			
Height	42"	42"	50"
Width	18"	18"	20"
Depth	24"	28"	34"
Weight	150 lbs.	180 lbs.	200 lbs.
Utility Requirements			
Voltage	110V/1/60	240/460/3/60	240/460/3/60
Amp Draw	2 Amps	4 Amps/2 Amps	4 Amps/2 Amps
Compressed Air	33 cfm @65 psi	65 psi	65 psi
Air Inlet Size	3/8" NPT	3/8" NPT	3/8" NPT
Pipe Connection (connect to mold)	3/4" NPT	3/4" NPT	3/4" NPT