

MOLD VAC



Vacuum and 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.



	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)*	20-24	20-24	20-24
* 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