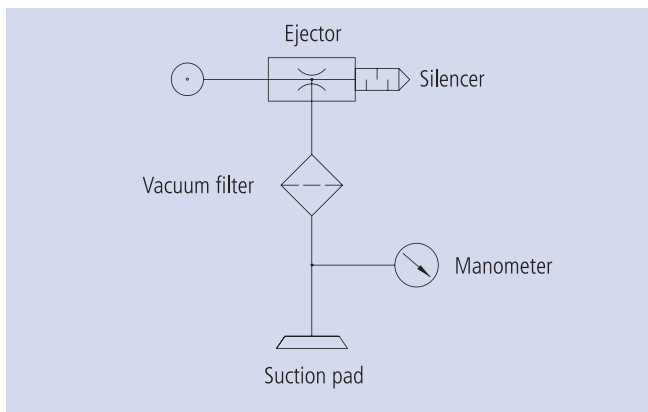


Symbols in Vacuum Technology

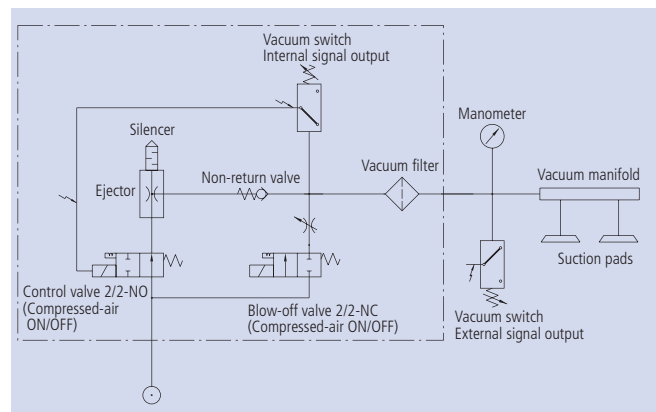
Circuit diagrams and function charts are used in vacuum technology to visualize vacuum systems. These diagrams/charts include symbols for certain components or modules. The following overview represents the most important and common symbols of vacuum components from Schmalz.

	Valve (general)		Vacuum/pressure switch		Special suction pad		Ejector, single-stage
	Ball cock, two-way		Check valve		Flat suction pad with single lip		Ejector, multi-stage
	Ball cock, three-way		Pressure-limiter valve		Flat suction pad with double lip		Silencer
	Manual slide valve, three-way		Non-return valve		Flat suction pad with sealing profile		Vacuum blower
	Solenoid valve, 3/2-way		Sensing valve		Bellows suction pad		Vacuum pump
	Solenoid valve, 3/2-way, pneumatic pilot operation		Flow resistor		Spring plunger		Vacuum regulator
	Filter				Flexolink, ball joint		Hose
	Manometer				Sealing cord		Reservoir
					Adapter nipple		

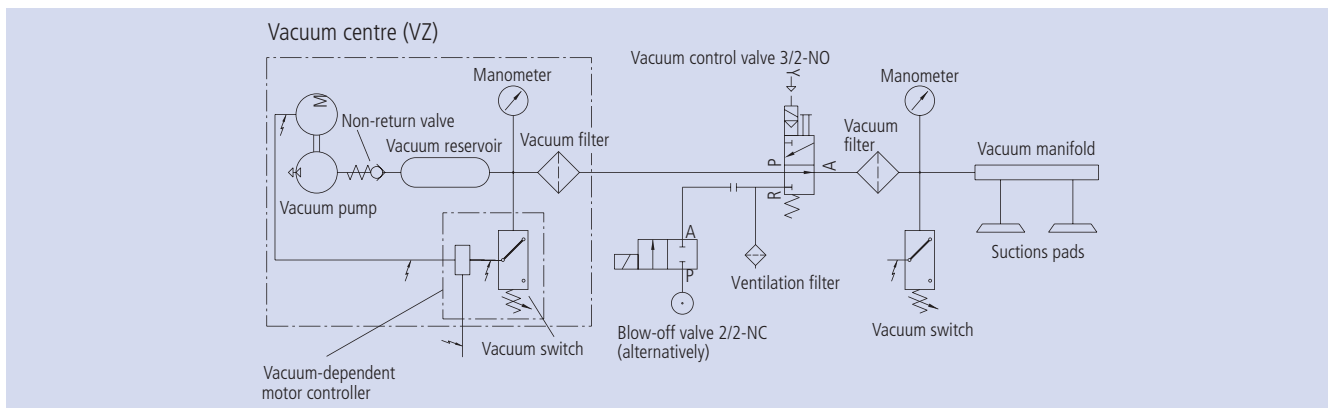
Circuit diagrams for all relevant vacuum components are available in the operating instructions online at www.schmalz.com/operating-instructions. Examples of vacuum circuit diagrams:



Example: Vacuum circuit with basic ejector



Example: Vacuum circuit with controlled compact ejector



Example: Vacuum circuit with vacuum center and vacuum-controlled motor circuit