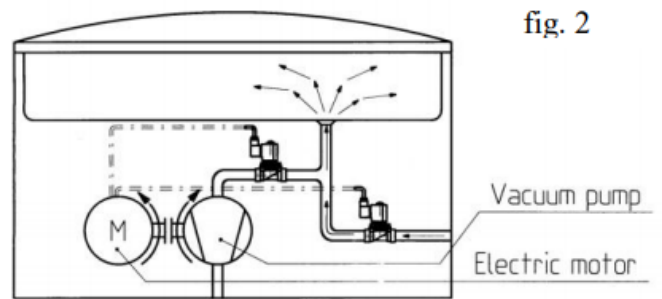
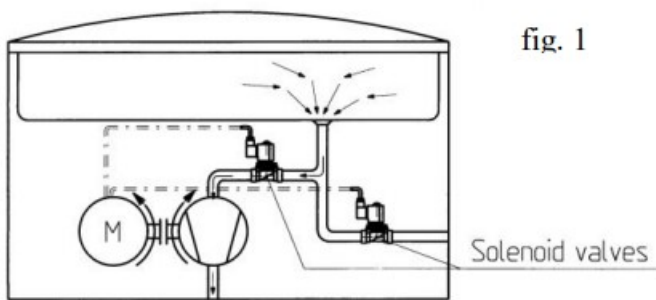


Vacuum Packer



Machine used for vacuum-packing foodstuffs in modified atmosphere, ideal for supermarkets, butchers', delicatessen sellers and catering services. Many types of food such as meat, poultry and coffee are vacuum-packed to prolong their preservation. In fact with a small amount of oxygen food perishes more slowly. When food is packed, an inert gas is let into the packaging in order to modify the conditions of the atmosphere, thus guaranteeing a better preservation of the product. At the end of the operation the plastic bag is sealed.

Construction Diagram Of The System



Solenoid Valve Application

Foodstuffs inside plastic bags are blocked under the transparent bell. The bell is lowered and the vacuum cycle starts when a button is pressed. Air inside the chamber is sucked up by the pump as indicated by arrows (fig.1); vacuum is generated and the plastic bag sticks to the product; an edge of the bag is then sealed. When this operation is over, the atmospheric pressure in the packing chamber is restored (fig.2) and the bell is opened. Two solenoid valves are employed in this application for the vacuum cycle. The former allows the pump to suck up air from the chamber and keep vacuum in the room when the sucking up operation is over. The latter restores the atmospheric pressure after the packaging has been sealed.

Solenoid Valves Used



TYPE D287/288/289/290/292/293

2/2 way NC pilot operated solenoid valve with assisted lift with series 7 coils

We Recommend

The critical parameter of this application is not pressure, but the cycle time (more productivity). Therefore priority is to be given to the nominal diameter of the valve, which will be as large as possible. The choice (except for direct acting valves for small machines) goes to pilot operated valves with assisted lift. M&M's pilot operated valves with assisted lift have larger diameters than similar valves manufactured by our competitors and therefore they are more performing. Warning: with vacuum applications the valve must be installed positioning the connection where the medium usually goes out in the direction of the vacuum generating pump.