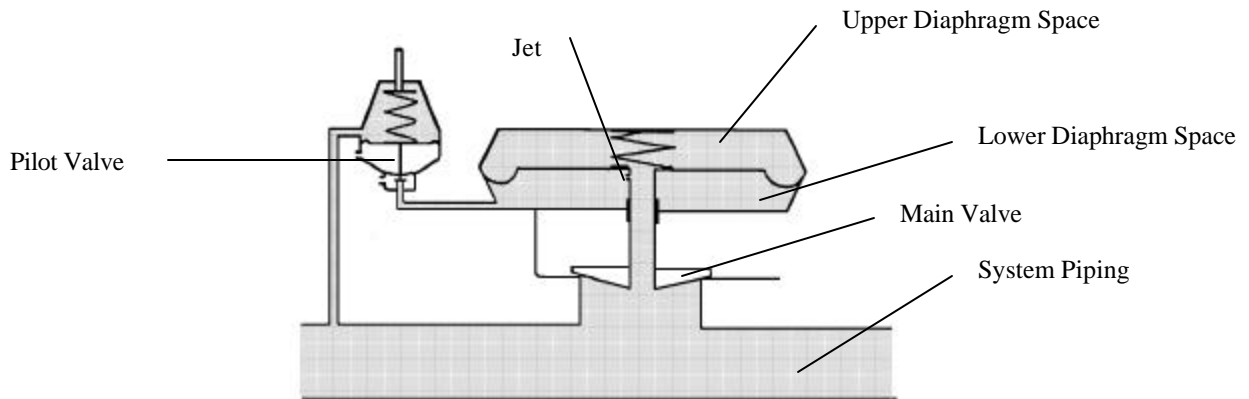
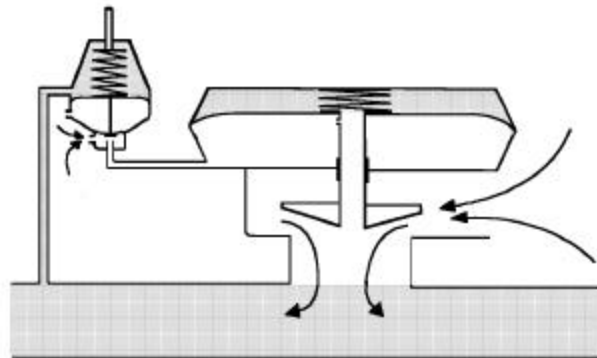


AERZEN AEROVAC VALVE

For regulating system vacuum.



At standstill the main valve and the pilot valve are held closed by spring pressure. During operation the system vacuum reduces pressure in the top diaphragm space through the main valves' hollow spindle, and also reduces pressure in the bottom diaphragm space through a jet. The system vacuum reduces pressure in the top diaphragm space of the pilot valve through the instrument hose.



As soon as the system vacuum overcomes the pilot spring pressure, the pilot valve opens, allowing atmospheric air into the lower diaphragm of the main valve. This atmospheric air, coupled with the vacuum in the upper diaphragm space overcomes the spring pressure and the main valve opens. The system vacuum is controlled by incoming atmospheric air.