



column ejectors

Vacuum generators with 1, 4, 6 and 8 independent vacuum

The column ejector get it's name from it's cylindrical geometry. The pressure supply is introduced radially on the ejector body and routed internally into the center of the ejector. The air flow is directed downwards through an orifice to a baffle plate and is accelerated radially in all directions until the desired sub- or supersonic speed is obtained at the point of ejection 1. At this point the air expands and vacuum is created (Venturi principle). At point 2, the accelerated air flow is mixed with the drawn air. At point 3, the air speed is reduced and flows directly upward through a silencer to atmosphere. Several vacuum ports are positioned around the outer diameter into point 2, to connect several vacuum cups on one ejector.