

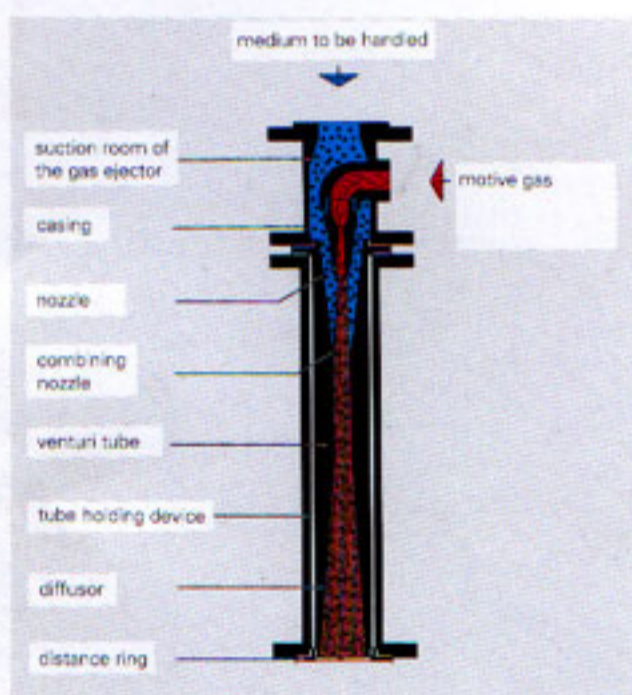
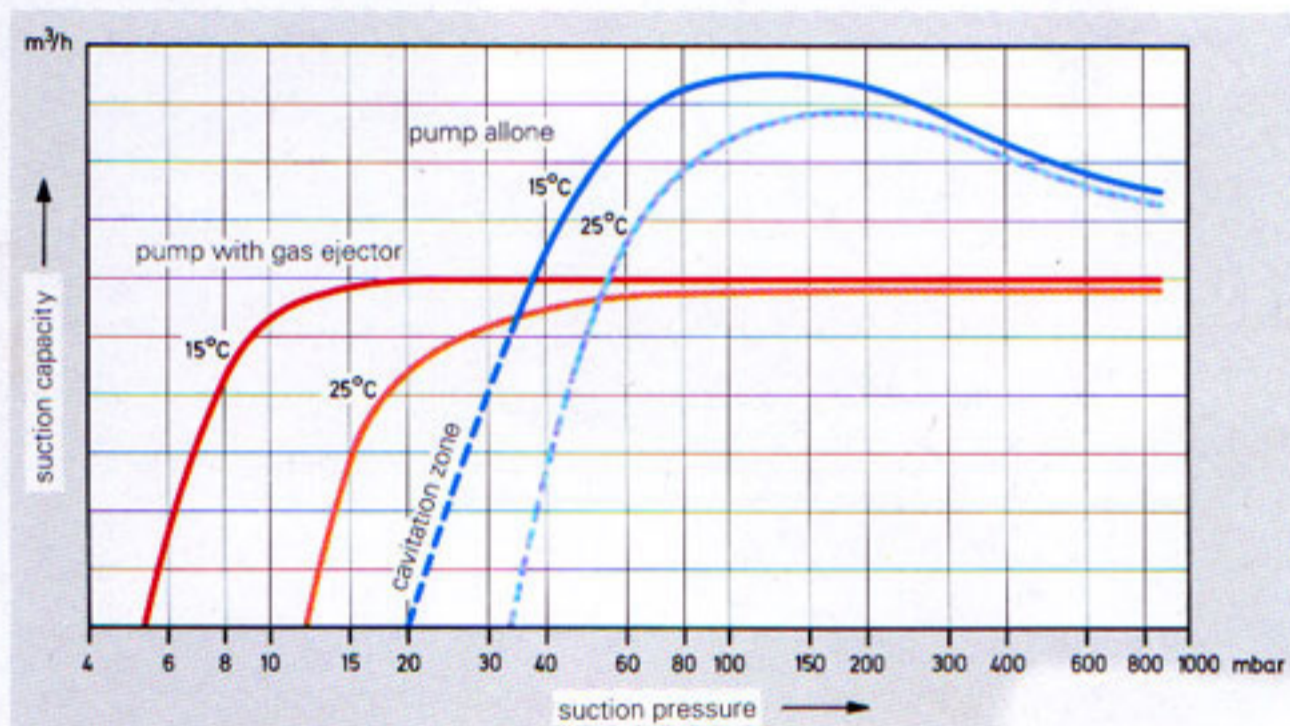
# Gas Ejectors

## Function shaped the Design

In cases where liquid ring vacuum pumps cannot attain the required end-pressure, the working range can be extended to lower absolute pressures (down to 4 mbar) by connecting a SIHI gas ejector. The gas ejector operates without an outside energy source by utilising the existing energy drop between

atmosphere and the pump suction branch. The efficiency of an ejector depends particularly on the suction capacity of the vacuum pump.

For this reason SIHI gas ejectors are designed so that their hydrodynamic characteristics and dimensions match a specific SIHI liquid ring vacuum



pump. For every size of pump, two series have been developed. These have been specially matched with a liquid ring vacuum pump service liquid temperature of 15 or 30 deg. C. In addition, this robust ejector pump acts as a protection against cavitation. Normally the gas ejector is mounted directly onto the suction branch of the pump. In a restricted area and in special conditions, mounting the gas ejector in the suction pipework is possible. The function is relatively independent of position. Existing plants can be re-fitted without any problem.