

SIHI Dry Running Vacuum Pumps

The SIHIdry vacuum pump is a vertical twin-screw machine that is completely dry running and has no mechanical shaft seals. Moreover, the hermetically sealed unit has been developed specifically to meet these demands, whilst maintaining a simple, cost-effective solution.

Technical Data

Suction volume flow: up to 1,000 m³/h

Suction pressure: < 0.001 up to 1013 mbar

Product Series Chemical Execution: M / H

Product Series Industrial Execution: V / S

Design

SIHIdry is based upon the dry running twin screw principle. The screw-shaped displacing bodies counter-rotate without contact. The pump inlet is at the top and the outlet at the geodetically lowest position (top-down pumping). In contrast to conventional pumps the both screw spindles are not mechanically but electronically synchronized. This innovative drive conception is the basis for a stepwise development of the vacuum pump to an intelligent vacuum system, which takes on additional functions as the valve-, and pressure control for example. Furthermore the intelligent system offers the possibility to exactly monitor the important process data in order to ensure a maximum of process safety.

More Information

- Request for Information / Quotation

Application

The vacuum system SIHIdry has been developed for the use in areas with and without explosion hazard. These vacuum systems are used for example in drying processes, for reactor charging, for vacuum distillation, for inert gas blanketing, for product transfer, in general process vacuum, for central vacuum generation and many more.