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systems

s.r.l.

gas and fluids

NOCETO (PR) - ITALY

OIL SEALED VACUUM SYSTEMS

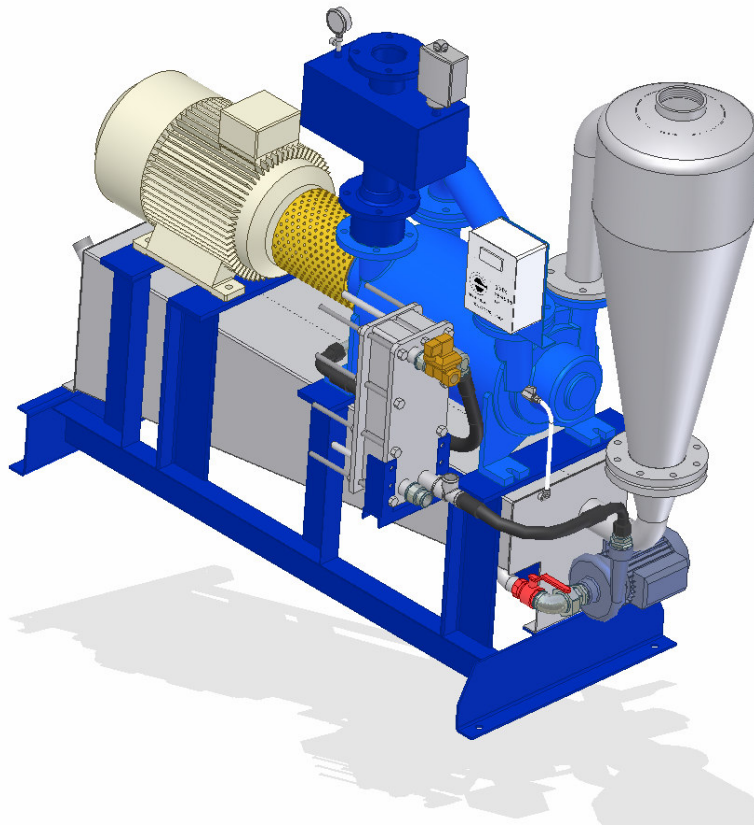
- **OCX vacuum units**

- **stainless steel AISI316 construction**

TAV. : 009.0

The OCX oil recirculation vacuum units are compact, independent, modular units, quick and easy to install, ready for immediate start-up. Each unit consists of a liquid ring pump supplied in a closed loop of mineral oil, of a stainless steel AISI316 oil container with built in automatic discharge system of the condensate, of an oil/gas cyclone separator in stainless steel AISI316 and of a heat exchanger. The unit can accept either liquid/liquid plate heat exchanger or air/liquid exchanger should cooling medium be a problem.

OCX units show overall characteristics and performances superior to both the water liquid ring pump and to other similar systems using different types of pump. The complete line offers a wide range of sizes, for flow rates ranging from 40 to 800 m³/h of handled gas, distributed over 6 main frames. Each structure can fit different sizes of pumps, so as to be able to adapt the performance of the unit, whenever necessary, to any modifications which might be made to the plant. They are ideal for vacuum centralisation, with two or more pumps working in parallel. OCX vacuum units are, moreover, the ideal solution to problem relating to technical design or to procurement and installation costs.



High performances

The physical properties of the sealing oils and/or other special media, which remain unaltered even at high operating temperatures, result in a considerable increase in the performances of the liquid ring pump compared to the one operated with water.

No maintenance required

The circulation oil, continually lubricates the internal parts of the pump without leaving deposit of any kind, thereby safeguarding the parts against wear and prolonging their operating life.

The possibility of removing gas saturated with vapour

The exclusive built-in system for separating the extracted condensate from the service oil enables the removal of high percentage of vapour-saturated gas. The clean condensate is then discharged automatically through the proper valve.

Noiseless operation

The noise level is very much lower than the noise levels laid down by the legislation in force.