



**HARLAND
ENGINEERING**

Pumps | Acoustics | Design

LIQUID RING VACUUM PUMPS



These new-generation liquid ring vacuum pumps are both light-weight and compact, yet robust and available in corrosion-free materials. Due to their modular design, they can be installed in a wide variety of applications and processes. We offer close-coupled, with pump and motor on a common shaft, and long-coupled design.

The liquid ring compressors are displacement compressors of simple and robust construction. Liquid ring compressors require a fluid (preferably water) as auxiliary or service liquid. Almost all gases and vapours are compressed, even those containing dust and liquids

OPTIONS

Vacuum pumps with magnetic couplings are suitable for handling and exhausting nearly all dry and humid gases. The magnetic coupling design eliminates mechanical seals. Their primary applications are in the chemical and pharmaceutical industry where polluting, unhealthy or dangerous media are to be handled.

For example:

- > Distilling, drying and degassing in the chemical and pharmaceutical industry
- > Impregnating and drying in the electrical industry
- > Degassing in the plastics industry

PRODUCT SUMMARY

- > Oil free operation
- > No contact between moving parts
- > Handling of nearly all gases and vapors
- > Small quantities of entrained liquid can be handled
- > Non-polluting as nearly isothermal compression
- > Wide choice of materials