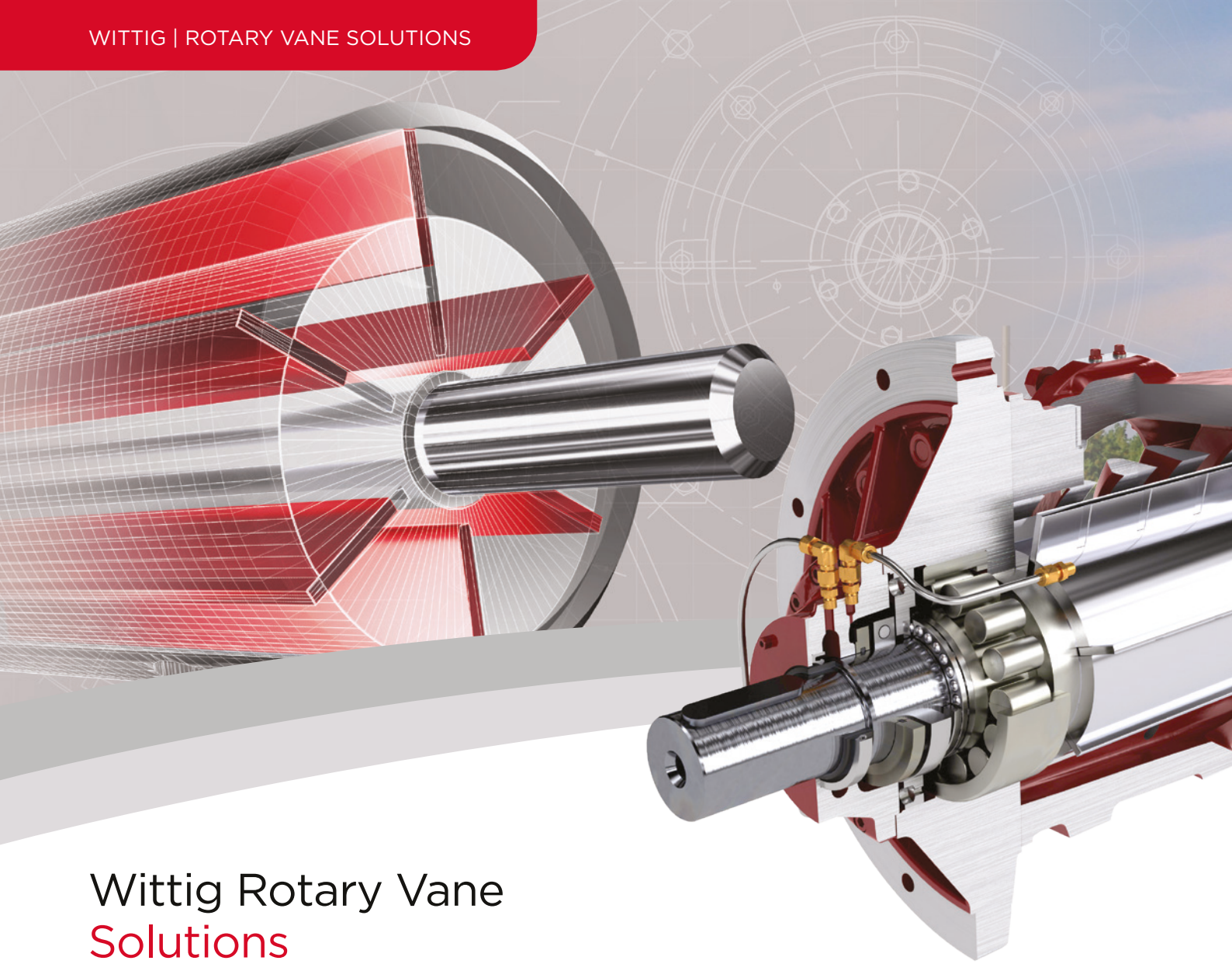


# WITTIG

## Rotary Vane Solutions

Engineered for Vacuum & Pressure





## Wittig Rotary Vane Solutions

The Wittig Industrial Systems provide engineered solutions for vacuum and pressure. Wittig rotary vane compressors and vacuum pumps are outstanding performers in terms of reliability and economy of operation for any application and in any industry.

Our high quality custom engineered equipment is suitable for a myriad of applications to customers around the world. We have a well-earned reputation as a highly respected global supplier of technologically advanced vacuum and pressure solutions, delivering exceptional value, reliability and performance to all levels of industry.

Our global expertise, our unrivalled and extensive range of industry leading products, and our fast, responsive and locally based service teams ensure that we are able to develop innovative, high quality, reliable and energy efficient industrial equipment, technologies and services with the lowest life-cycle costs.

### We have History

The pioneering spirit of Karl Wittig was responsible for the invention of the rotary vane compressor in 1908. The idea to compress gas and air with a simple rotating action was developed over the following decades and improved to near perfection.

The essential feature of the technology is that the rotating vanes that compress the air have no direct contact with the compressor housing. A dynamic lubricating film prevents contact between the housing and the vanes with the result that there is no wear.

Our technologies include:

- Rotary vane air compressors
- Rotary vane gas compressors
- Rotary vane vacuum pumps





## Typical Applications

- Biogas and Wastewater Treatment Gas
- Boil-Off Gases (BOG)
- Hollow Glass Production
- Hydrogen Compression
- Coal Mine Gas Extraction, Compression of Natural Gas
- Volatile Organic Compounds (VOC)
- Offshore
- Vacuum Applications
- Pure Gases
- Toxic Gases
- Compression of Flare Gas in Refineries, Compression of Coke Oven and Blast Furnace Gas, Synthesis Gases
- Compressed Air Applications
- Cement conveying
- Mining

## Rotary Vane Technology

- High volumetric efficiency allows low speed of only 1480 rpm
- 2 bearings – no axial forces
- Very low heat loss
- Low energy consumption
- Perfect lubrication with oil film between vanes and housing (no wear)
- Pulsation free compression
- Simple and easy to maintain
- High durability
- Up to 100,000 operating hours without overhaul



“Reliable and energy efficient industrial equipment, technologies and services with the lowest life-cycle cost”



## The Wittig Range

Wittig are first choice for industries such as Biogas handling, marine and offshore, glass manufacturing, plus mining, coke oven and process gas processing – industries where reliability and efficiency are critical requirements. For many decades, Wittig have and continue to design and manufacture an impressive range of high performance, long-lasting and reliable vacuum pumps and compressors, for both gas and air applications.

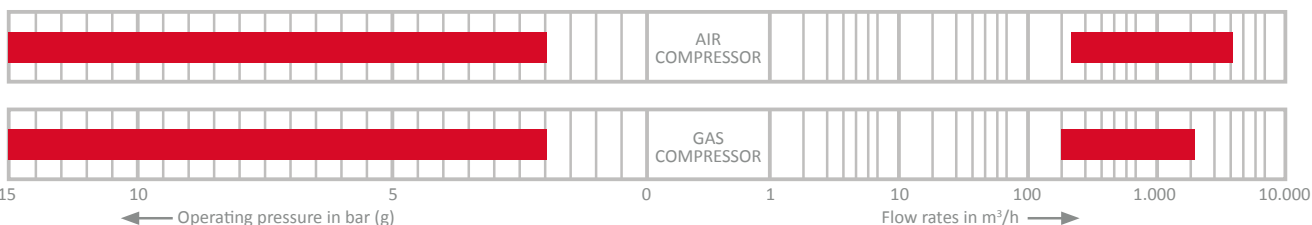
### Rotary Vane Air Compressors - RO L

250 - 6000 m<sup>3</sup>/h  
2 - 15 barg



### Rotary Vane Gas Compressors - RO G

200 - 3000 m<sup>3</sup>/h  
2 - 15 barg





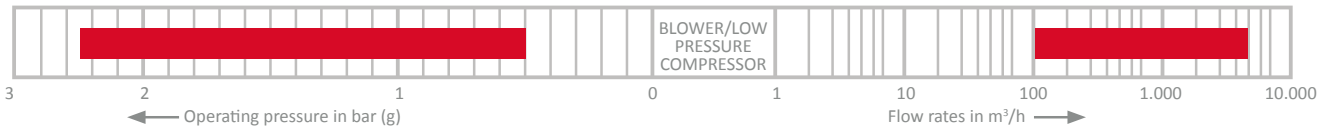
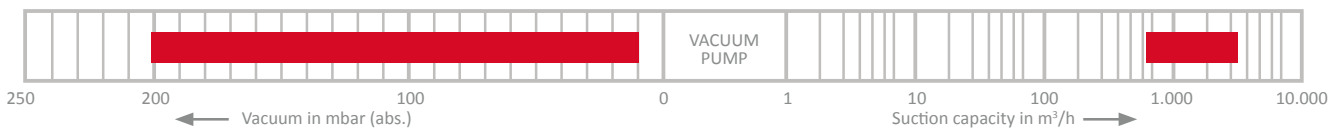
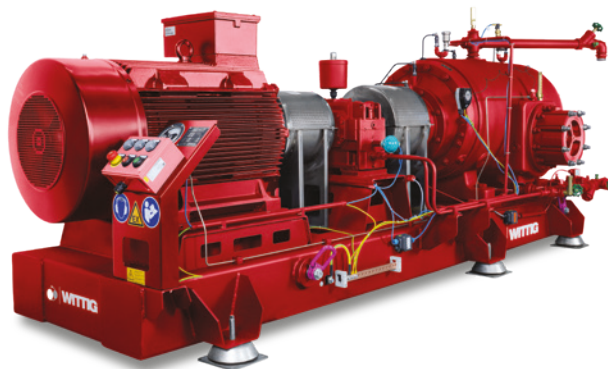


**Rotary Vane Vacuum Pumps - WPSO**

720 - 4500 m<sup>3</sup>/h  
10 - 200 mbar abs

**Rotary Vane Blower / Low Pressure Compressors - RVA**

100 - 5000 m<sup>3</sup>/h  
0,5 - 2,5 barg



# WITTIG

## Genuine parts and professional services delivering total peace of mind

Gardner Denver's vast international network of engineers, service professionals and distribution, ensures total peace of mind with quality genuine spare parts and lubricants designed for optimum performance and efficiency – despatched within hours of ordering – supplied and fitted by maintenance experts who work as part of your team.

Genuine parts and professional services that guarantee more uptime, better performance and deliver value for money that affects your bottom line.

**Rotary vane technology – designed, manufactured and supplied by Wittig.**

- Replacement part deliveries within 24 hours for stocked parts
- Service kits
- Personalised maintenance and service contracts
- Complete and fully qualified overhauls of your compressed air system
- Service training of customers with competent advice in the construction, operation and maintenance of machinery

## Gardner Denver Industrials The Ultimate Technology Choice

Gardner Denver Industrials designs, manufactures, markets and services rotary screw, reciprocating and sliding vane compressors in addition to multistage and positive displacement, centrifugal and blowers.

The end market sectors served by Gardner Denver Industrials are primarily industrial manufacturing, transportation, energy, mining, construction, environmental, plus food and beverage. Gardner Denver Industrials delivers the broadest range of compressors and vacuum products, in a wide array of technologies, to end-user and OEM customers worldwide.

Gardner Denver policy is one of continuous improvement and we therefore reserve the right to alter specifications and prices without prior notice.

Certified by:



The global offering also includes innovative service and warranty programmes.

Industrials is part of Gardner Denver, Inc., a leading global manufacturer of highly engineered, critical flow-control products. Gardner Denver is headquartered in Milwaukee, Wisconsin, USA and has facilities in more than 30 countries.

[www.gardnerdenver.com/industrials](http://www.gardnerdenver.com/industrials)

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