

Since 1923 Pneumofore has designed and produced Rotary Vane compressors and vacuum pumps featuring original solutions, the result of constant efforts in Research and Development.

The K Series gas compressors are the solution for gas treatment and processing applications that need high energy savings, low operational cost and constant efficiency over decades.

With 2.5 to 10 bar(g) pressure range and up to 2690 m³/h, the K Series cover the gas compression requirements in many industries. The high-quality, sturdy design of these gas compressors meet the most stringent safety criteria, including the Atex directive for Zone 1.

Pneumofore Rotary Vane technology, which is at the core of the K Series, ensures trouble-free operation, stable performance over the years and the lowest Life Cycle Cost available on the market.



Mod. K90

Main Features

Pressure Range	2.5 to 10 bar(g)
Nominal Power	5.5 to 315 kW
Capacity	up to 2690 m ³ /h
Cooling system	Water or air
Certification	CE Atex II 2 / 2G (Internal / External)

Optional Features

Variable Speed to manage any variation of flow request
Skid-mounted or sound-proof enclosure
Off-skid electrical panel
On-board monitoring
Extra accessories such as inlet and outlet filters

Highlights

- Low noise level and low vibrations
- Low rotation speed for maximum longevity
- Heavy-duty design for continuous operation 24/7
- All-included accessories available on skid
- Certified for extreme and explosive environments
- Engineering support
- Simple design for ease of maintenance
- Constant efficiency within the speed range

Rotary Vane Air-End

- Single-stage from 2.5 to 10 bar(g)
- Non-consumable vanes made of aluminium alloy
- Active sealing for constant machine performance
- Direct Coupling for no transmission loss
- Two bearings only
- Few moving parts for maximum reliability
- Constant pressure with Variable Speed drive
- Lowest Life Cycle Cost

Industries

Oil & Gas
Offshore and marine
Chemicals
Electronics manufacturing
Metal industry
Natural gas and energy sector
Food processing
Pharma
Biotech and more



Section of Rotary Vane Air-End

List of Gases

Methan	CH ₄
Ethane	C ₂ H ₆
Carbon dioxide	CO ₂
Nitrogen	N ₂
Biogas	
Natural gas	
Volatile organic compounds (VOCs)	

K Series compressors are designed according to the gas composition

FOR MORE INFORMATION:
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 ITALIAN DESIGN
 GLOBAL PRESENCE