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Versatile rotary vane compressor technology

Custom Solutions





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Versatile Technology. To suit any application

50 / 60 Hz Rotary Vane Air Compressors

- ➔ 1.1 to 75 kW
- ➔ Fixed Speed
- ➔ Regulated Speed (RS)

For over 50 years Hydrovane has been a market leader in rotary sliding vane compressors, which are proven to be reliable, versatile, powerful and cost effective.

Hydrovane rotary vane compressor technology is an incredibly versatile piece of engineering, offering longevity and resistance to challenging environmental conditions for unusual applications.

The possibilities are endless when it comes to supplying reliable, clean, and pulse-free air to a specific application outside the standard industrial arena, where other compressor technologies do not offer a viable solution.

Custom Solutions may be related to the environment in which the compressed air is produced and used; an example being high ambient temperature applications within foundries or aluminium smelting plants, or a bespoke build specification.

Hydrovane has developed proven solutions for three specialist compressor applications, these being:

- Transit* Air System Modules (ASM) to the international rail and mass transit industries (Metro, tram, bus, etc)
- Gas Boosting* Sweet, sour and bio gases
- Snow Production Snow cannons based on the water atomisation principle.



Custom Package



Transit Package



Air Ends

Hydrovane manufactures an extensive range of Rotary Vane Air Ends. Due to their integrated and compact design, they are ideal to be utilised in many OEM applications, on their own or as part of a specially designed package. We offer a complete pressure range from 7 to 10 bar in 50 and 60 Hz to suit 1.1 to 75 kW.

Horizontal format Air Ends from 0.12 m³/min (4.3 cfm) to 1.26 m³/min (44.5 cfm), come fully integrated with the only requirement being the drive media i.e. electric motor, hydraulic motor or diesel/petrol engines (PTO).

Horizontal format Air Ends above 1.26 m³/min (44.5 cfm) are available up to a maximum of 12.06 m³/min (425.9 cfm). Vertical format Air Ends are available from 1.41 m³/min (49.8 cfm) up to a maximum of 7.33 m³/min (258.9 cfm). An external cooler assembly is available which can be located to the customer specification.



Air Ends

Custom Solutions

Hydrovane's extensive technical knowledge and experience has been gained over many years in providing customer specific solutions to numerous market sector applications from 7 to 10 bar in 50 and 60 Hz to suit 1.1 to 75 kW.

Hydrovane provides a complete service, where a customer's specific need is thoroughly assessed by our engineering resources in order to provide the right solution. Comprehensive technical backup and support is also offered, which includes operating manuals, drawings, service training and aftermarket.

Build Options

- ➔ **Build** Air End / Air End and Motor / Alternative cooler options (Air and Oil) / Colour
- ➔ **Air Ends** Alternative lubricants / Over-temperature protection / Remote air intake filtration
- ➔ **Drives** Electric / Hydraulic / PTO
- ➔ **Operation** Fixed Speed or Regulated Speed (RS)
- ➔ **Voltages** AC (110 V to 460 V) / DC (72 V to 750 V)
- ➔ **Motors** Class F, H or Inverter / EXN / Flange options / Shaft options
- ➔ **Starter** Special / Remote / Removed / Terminal box / Supplied loose / Soft start, Star delta or DOL / Auto restart
- ➔ **Moisture Protection** Anti-condensation heaters / Motor
- ➔ **Dryers** Desiccant / Membrane / Refrigerant
- ➔ **Receivers** Alternative volumes
- ➔ **Configuration** Duplex / Specific customer footprint
- ➔ **Filtration** Carbon filters (0.01 Microns)
- ➔ **Accessory Kits** Air and Oil cooler / Low duty usage
- ➔ **Aftermarket Support** A full range of service kits, parts and approved lubricants
- ➔ **Warranty Protection** Standard 12 months



Please contact Hydrovane to discuss your needs and how we can provide a custom engineered solution.

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