

Ordering information	MAG W	300 iP(L)	400 iP(L)	600 iP(L)	700 iP(L)
MAGiNTEGRA with 9 pin 24V PLC <sup>3)</sup>	# <sup>1)2)</sup>				
ISO-K	iP	410300V0505	410400V0505	410600V0505	410700V0505
	iPL	auf Anfrage	auf Anfrage	410600V0705	auf Anfrage
CF	iP	410300V0506	410400V0506	410600V0506	410700V0506
	iPL	auf Anfrage	auf Anfrage	auf Anfrage	auf Anfrage

	MAG W	1300 iP(L)	1600 iP(L)	1700 iP(L)	2200 iP(L)
MAGiNTEGRA with Profibus interface <sup>3)</sup>	# <sup>1)2)</sup>				
ISO-F	iP	411300V0504	411600V0504	411700V0504	412200V0504
	iPL	411300V0704	411600V0704	411700V0704	412200V0704
CF	iP	411300V0506	---	411700V0506	412200V0506
	iPL	411300V0706	---	411700V0706	412200V0706

MAGiNTEGRA with 9 pin 24V PLC <sup>3)</sup>					
ISO-F	iP	411300V0514	411600V0514	411700V0514	412200V0514
	iPL	411300V0714	411600V0714	411700V0714	412200V0714
CF	iP	411300V0516	---	411700V0516	412200V0516
	iPL	411300V0716	---	411700V0716	412200V0716

<sup>1)</sup> IP: flanking controller installation

<sup>2)</sup> IPL: bottom controller installation

<sup>3)</sup> Additional interface options, including RS485 and Ethernet, are available on request

# TURBOVAC MAGiNTEGRA

## Magnetically levitated wide range Turbomolecular pumps



# TURBOVAC MAGiNTEGRA

## Compact product range for industrial applications

### Our TURBOVAC MAGiNTEGRA combines

accuracy, precision and reliability - qualities that are essential to the vacuum technology and aircraft industries alike. When it comes to vacuum technology, magnetically levitated turbomolecular pumps from Leybold feature high pumping and gas throughput for faster pumpdown to improve equipment cycle times. The new 5-axis active magnetic bearing and drive system combines high reliability and efficient operation.



### ADVANTAGES Of magnetically levitated turbomolecular pumps

- Insensitivity to process particles/dust
- Shock venting tolerance
- Reliability in industrial environments
- Robust and trouble-free operation
- Low cost of ownership
- Suitability for vibration-sensitive applications
- Maintenance-free operation in most applications
- Monitoring of performance data
- Self-protection in case of exceeding operation limits or malfunction



### Highlights

- Fully integrated converter and power supply eliminate the need for a conventional rack-mounted controller and interconnecting cables
- Flexible design with controller position on the side or bottom for easy system integration
- Innovative and modular industrial communication solution allows easy integration with customer equipment to meet current and future requirements
- High robustness in industrial environment due to protective class IP 54 required in PVD, display, solar and optical coating applications

### Accessories

Choose from a wide range of accessories to control and monitor performance of the TURBOVAC MAGiNTEGRA:

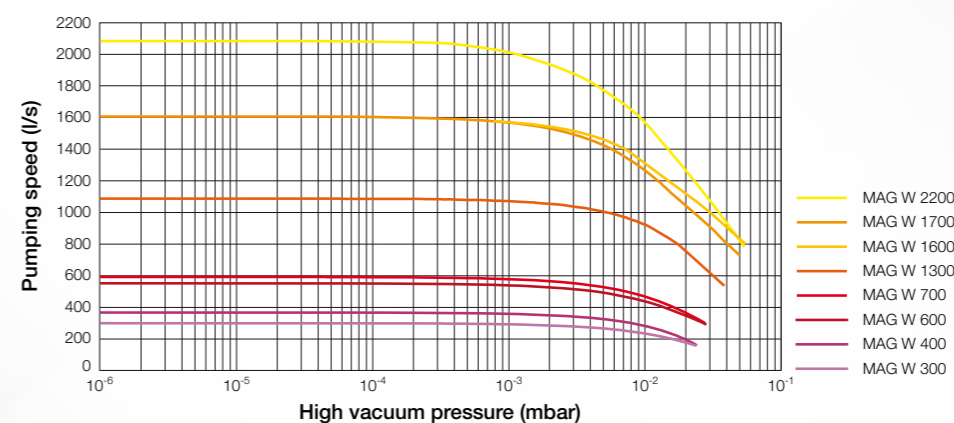
- Controllers for pressure measurement
- Systems for active and passive sensors, water and air cooling facilities, venting valves, cables, etc.
- Forevacuum pumps and systems, engineering and application support

### Options

MAG W Turbomolecular pumps are available with these following features:

- Inlet flanges ISO-K, ISO-F, CF
- Mounting position of the integrated controller and power supply flanking: iP version / bottom: iPL version
- Interfaces 9 pin 24V PLC, Profibus, RS485, Ethernet and others based on the customer's particular needs.

### Performance Data



### Applications

#### Coatings

- Industrial glass coating
- Web
- Optical

#### Solar

- Sputtering (TCO)

#### Display

- Flat Panel
- PVD
- LCD

#### Analytics

- Analytical systems
- Electron microscopes
- Particle accelerators

