

Product-Information

MAG W 1300 / 1300 C

Turbomolecular Pumps with Magnetic Rotor Suspension with Compound Stage

Cat. No.: 400110V0011



Product-Description

Typical Applications

- Semiconductor processes, like PVD and ion implantation
- Transfer chambers
- Particle accelerators
- Research
- Coaters

Technical Features

- Active 5-axis magnetic bearing system
- Digital monitoring of the bearing system

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- Low noise and vibration levelssystem
- Operation in any orientationlevelssystem
- Advanced rotor design for high throughput
- Purge gas system
- Intelligent power control system

Advantages to the User

- Maintenance-free
- High throughput for all process gases
- High pumping speed at low pressure
- High foreline pressure tolerance: up to 2 mbar (1.5 Torr)
- Lowest weight and size in its class
- Application specific design

Recommended Fore Vacuum Pumps

 11398 11398

TRIVAC D 65 B - BCS 3-pH 230/400 V 50 Hz 250/440 V 60 Hz

 91398-2 91398-2

TRIVAC D 65 B - BCS 3-pH 230/400 V 50 Hz 250/440 V 60 Hz US-Version

DN 200 ISO-F/DN 40 KF, water-cooled

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Description	Unit	Value
Pumping speed N2 according to PNEUROP	l/s	1100
Pumping speed He according to PNEUROP	l/s	1050
Pumping speed H2 according to PNEUROP	l/s	920
Nominal speed	min_E-1	36000
Compression ratio N2		> 1E8
Ultimate pressure DIN 28 400	mbar	< 1E-8
Max. fore vacuum pressure for N2	mbar	2
Recommended fore vacuum pump		TRIVAC D 65 BCS
Run-up time	min	< 6
Fore vacuum connection	DN	40 KF
Purge / Vent port	DN	10 KF / 16 KF
Cooling water connection	Inch	6
Weight	kg	32

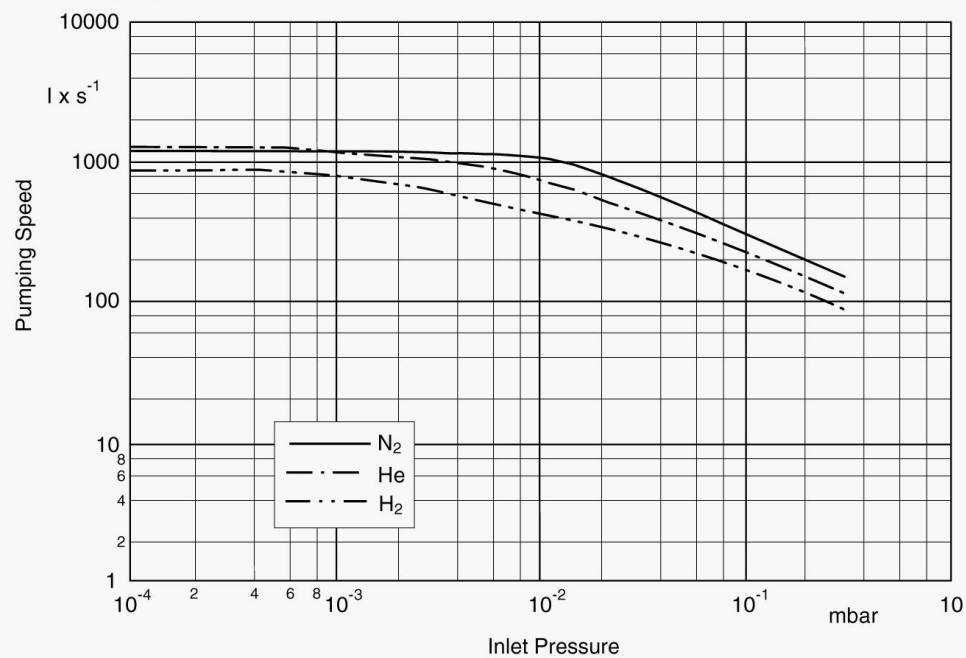
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Pumping Speed

Pumping speed of the MAG W 1300 C (DN 250) as a function of the inlet pressure



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Dimensions

		Forevacuum flange		Inlet flange		A	B	C	D	E
MAG W 1300 C		DN 40 KF / DN 25 KF	200 ISO-F	mm		285	262	260	175	16
		DN 40 KF / DN 25 KF	250 ISO-F	in.		11.22	10.31	10.24	6.89	0.63
MAG W 1300 C		DN 40 KF	250 ISO-F	mm		335	262	260	175	16
		DN 40 KF	250 ISO-F	in.		13.19	10.31	10.24	6.89	0.63
		F	G	H	J	K	L	M	N	
MAG W 1300 C	mm	306	72	50	113	35	109.5	163	243	
	in.	12.05	2.83	1.97	4.45	1.38	4.31	6.42	9.57	
MAG W 1300 C	mm	306	72	50	113	35	109.5	163	243	
	in.	12.05	2.83	1.97	4.45	1.38	4.31	6.42	9.57	
		O	P	Q	R	S	T			
MAG W 1300 C	mm	103	114.7	98	8.3	85	31			
	in.	4.06	4.52	3.86	0.33	3.35	1.22			
MAG W 1300 C	mm	103	114.7	98	8.3	85	31			
	in.	4.06	4.52	3.86	0.33	3.35	1.22			

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Technical Drawing

