



PROVAC

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Leybold Mag W 1300C

Technical Specifications

		TURBOVAC MAG				
		W 830	W 830 C	W 1300	W 1300 C	
Inlet flange	DN	160 CF	160 ISO-F	200 CF	200 ISO-F	250 ISO-F
Pumping speed according to PNEUROP						
N ₂	l x s ⁻¹	760	700	1100	1100	1220
He	l x s ⁻¹	900	650	1200	1050	1180
H ₂	l x s ⁻¹	740	300	920	920	1020
Speed	min ⁻¹	36 000	24 000	36 000	36 000	36 000
Compression ratio						
N ₂		1.5 x 10 ⁸	> 5 x 10 ⁷	1.5 x 10 ⁸	> 10 ⁸	> 10 ⁸
Ultimate pressure according to DIN 28 400						
mbar (Torr)		< 1 x 10 ⁻¹⁰ (< 0.75 x 10 ⁻¹⁰)	< 10 ⁻⁸ (< 0.75 x 10 ⁻⁸)	< 1 x 10 ⁻¹⁰ (< 0.75 x 10 ⁻¹⁰)	< 10 ⁻⁸ (< 0.75 x 10 ⁻⁸)	< 10 ⁻⁸ (< 0.75 x 10 ⁻⁸)
Max. foreline pressure for N ₂						
with convection cooling	mbar (Torr)	0.2 (0.15)	–	0.2 (0.15)	–	–
with water cooling	mbar (Torr)	2.0 (1.5)	2.0 (1.5)	2.0 (1.5)	2.0 (1.5)	2.0 (1.5)
Recommended forevacuum pump						
Rotary vane pump		TRIVAC D 65 BCS	TRIVAC D 65 BCS	TRIVAC D 65 BCS	TRIVAC D 65 BCS	TRIVAC D 65 BCS
or dry compressing pump offering a pumping speed of 100 m ³ /h						
Run-up time	min	< 3.7	< 4.0	< 6.0	< 6.0	< 6.0
forevacuum flange	DN	40 KF	40 KF	40 KF	40 KF	40 KF
Purge / vent port	DN	10 KF / 16 KF	10 KF / 16 KF	10 KF / 16 KF	10 KF / 16 KF	10 KF / 16 KF
Cooling water connection						
(OD tube)	mm (in.)	1/4"	1/4"	1/4"	6 (0.24)	6 (0.24)
Weight, approx.	kg (lbs)	30 (66.2)	32 (70.6)	30 (66.2)	32 (70.6)	32 (70.6)



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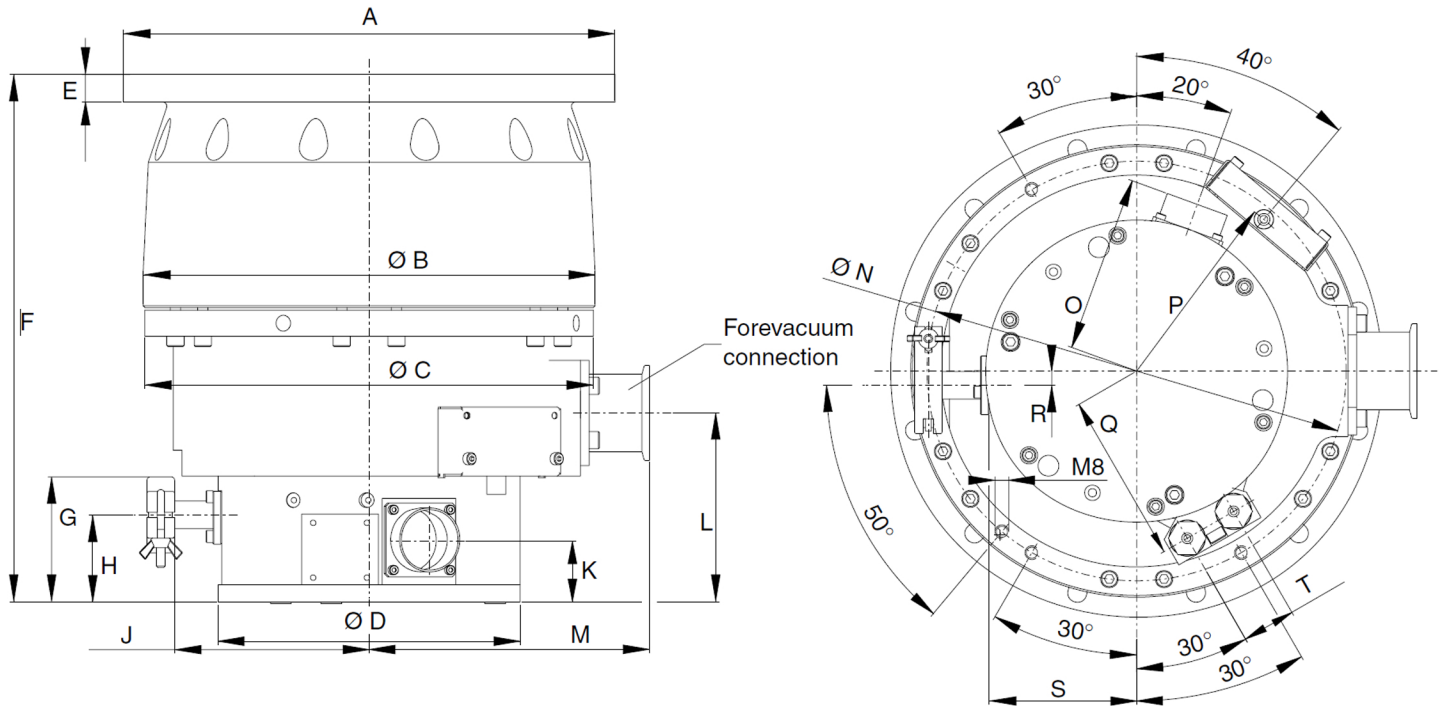
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Dimensions



		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
MAG W 1300 C	mm	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

	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



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Features & Benefits

- active 5-axis magnetic bearing system
- digital monitoring of the bearing system
- low noise & vibration levels
- operation in any orientation
- advanced rotor design for high throughput
- purge gas system
- intelligent power control system
- maintenance free
- high pumping speed at low pressure

Applications

- semiconductor • PVD • ion implantation • transfer chamber • particle accelerator • research instruments & systems • coaters

Pumping Curves

