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Leybold Mag W 300P, 400P

Technical Specifications

		W 300 P		W 400 P	
Inlet flange	DN	100 ISO-K	100 CF	160 ISO-K	160 CF
Pumping speed					
N_2	l/s	300	300	365	365
Ar	l/s	260	260	330	330
He	l/s	260	260	280	280
H_2	l/s	190	190	200	200
Operating speed	min^{-1}	58 800	58 800	58 800	58 800
Compression ratio					
N_2		1.0×10^{10}	1.0×10^{10}	1.0×10^{10}	1.0×10^{10}
H_2		3.2×10^{3}	3.2×10^{3}	3.2×10^{3}	3.2×10^{3}
He		9.2×10^{4}	9.2×10^{4}	9.2×10^{4}	9.2×10^{4}
Ultimate pressure	mbar	$< 10^{-8}$	$< 10^{-10}$	$< 10^{-8}$	$< 10^{-10}$
	(Torr)	($< 0.75 \times 10^{-8}$)	($< 0.75 \times 10^{-10}$)	($< 0.75 \times 10^{-8}$)	($< 0.75 \times 10^{-10}$)
Max. degassing temperature	°C (°F)	–	80 (176)	–	80 (176)
Max. foreline pressure for N_2	mbar (Torr)	8 (6)	8 (6)	8 (6)	8 (6)
Recommended backing pump		TRIVAC D 2,5 E TRIVAC D 8 B	TRIVAC D 2,5 E TRIVAC D 8 B	TRIVAC D 2,5 E TRIVAC D 8 B	TRIVAC D 2,5 E TRIVAC D 8 B
Run-up time	min	< 5	< 5	< 5	< 5
Foreline flange (clamped)	DN	16 ISO-KF	16 ISO-KF	16 ISO-KF	16 ISO-KF
Purge / vent port (clamped)	DN	16 ISO-KF	16 ISO-KF	16 ISO-KF	16 ISO-KF
Water cooling connection (optional)	G	1/8"	1/8"	1/8"	1/8"
Weight, approx.	kg (lbs)	12 (26)	12 (26)	12 (26)	12 (26)

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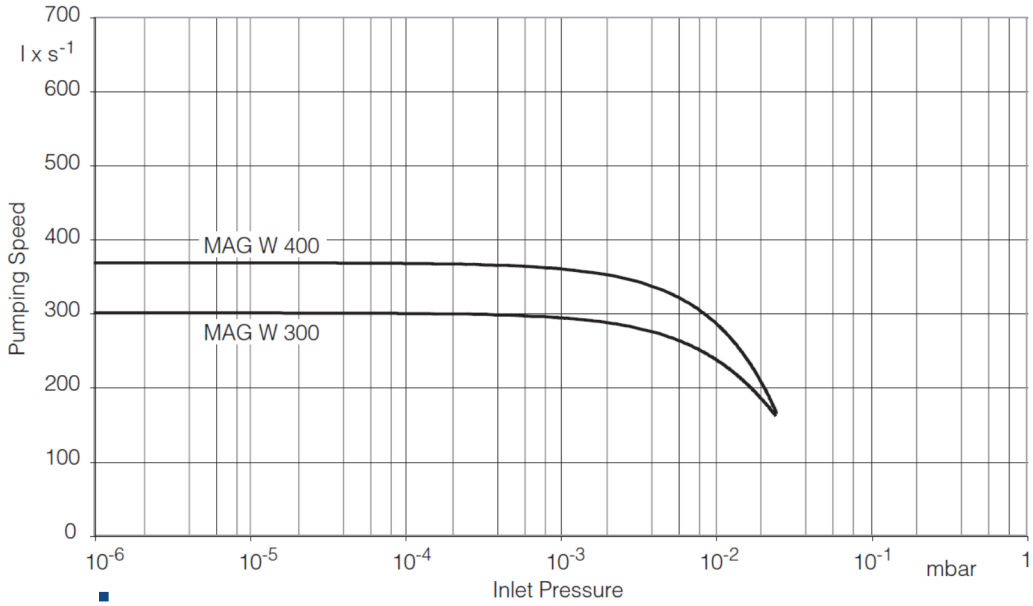
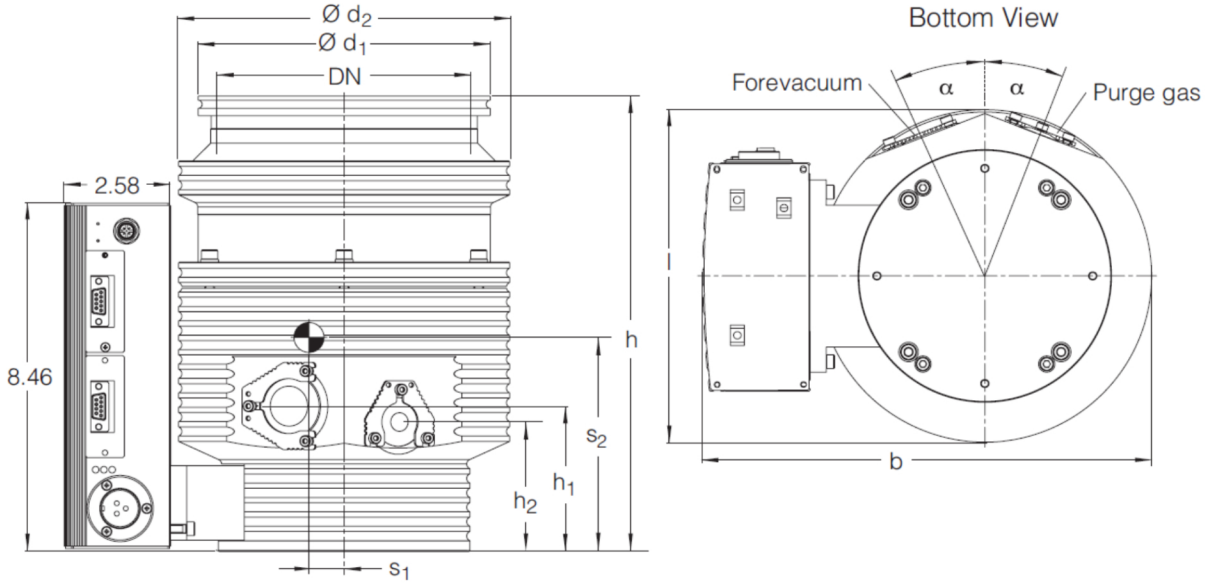
Pumping Curves



Dimensions



	DN		Ø d_1	Ø d_2	h	h_1	h_2	l	b	b*	α	s_1	s_2
MAG W 300 P	100 ISO-K	mm	130.0	155.0	250.0	77.7	70.0	156.0	250.0	233.0	16°	19.0	103.0
		in.	5.12	6.10	9.84	3.06	2.76	6.14	9.84	9.17	16°	0.75	4.06
	100 CF	mm	151.5	155.0	264.3	77.7	70.0	156.0	250.0	233.0	16°	15.0	129.0
		in.	5.97	6.10	10.41	3.06	2.76	6.14	9.84	9.17	16°	0.59	5.08
MAG W 400 P	160 ISO-K	mm	180.0	155.0	241.0	77.7	70.0	168.5	262.5	245.5	16°	19.0	106.0
		in.	7.09	6.10	9.49	3.06	2.76	6.63	10.34	9.67	16°	0.75	4.17
	160 CF	mm	202.5	155.0	234.7	77.7	70.0	181.2	273.7	256.7	16°	14.0	129.0
		in.	7.97	6.10	9.24	3.06	2.76	7.13	10.78	10.11	16°	0.55	5.08

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Features & Benefits

- installation in any orientation
- highest pumping speed from the smallest possible size
- rugged & reliable operation in industrial applications
- suited for vibration sensitive applications
- flexibility through modular concept

Applications

- leak detectors • mass spectrometers • gas & liquid chromatography
- electron beam microscopy • optical & magnetic data storage • flat panel displays • optical coating • research & development • surface analysis • particle accelerators • fusion experiments • load locks & transfer chambers • space simulation • PVD