



Leybold Mag W 300iP, 400iP

Technical Specifications

W 300 iP

W 400 iP

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 x 10 ¹⁰	1.0 x 10 ¹⁰	1.0 x 10 ¹⁰	1.0 x 10 ¹⁰
H ₂		3.2 x 10 ³	3.2 x 10 ³	3.2 x 10 ³	3.2 x 10 ³
He		9.2 x 10 ⁴	9.2 x 10 ⁴	9.2 x 10 ⁴	9.2 x 10 ⁴
Ultimate pressure	mbar (Torr)	< 10 ⁻⁸ (< 0.75 x 10 ⁻⁶)	< 10 ⁻¹⁰ (< 0.75 x 10 ⁻¹⁰)	< 10 ⁻⁸ (< 0.75 x 10 ⁻⁶)	< 10 ⁻¹⁰ (< 0.75 x 10 ⁻¹⁰)
Max. degassing temperature	°C (°F)	–	80 (176)	–	80 (176)
Max. foreline pressure for N₂	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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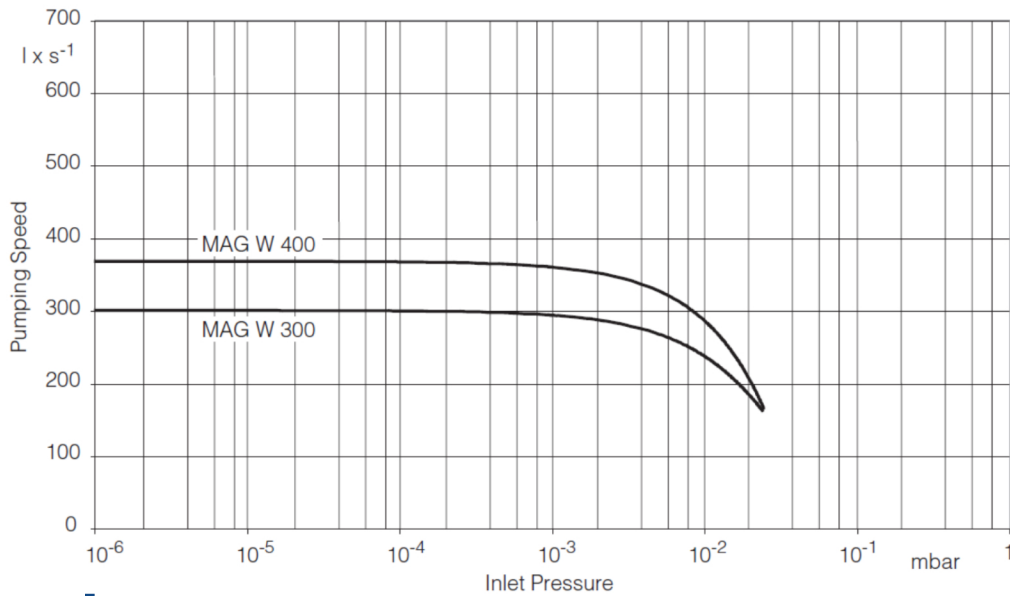
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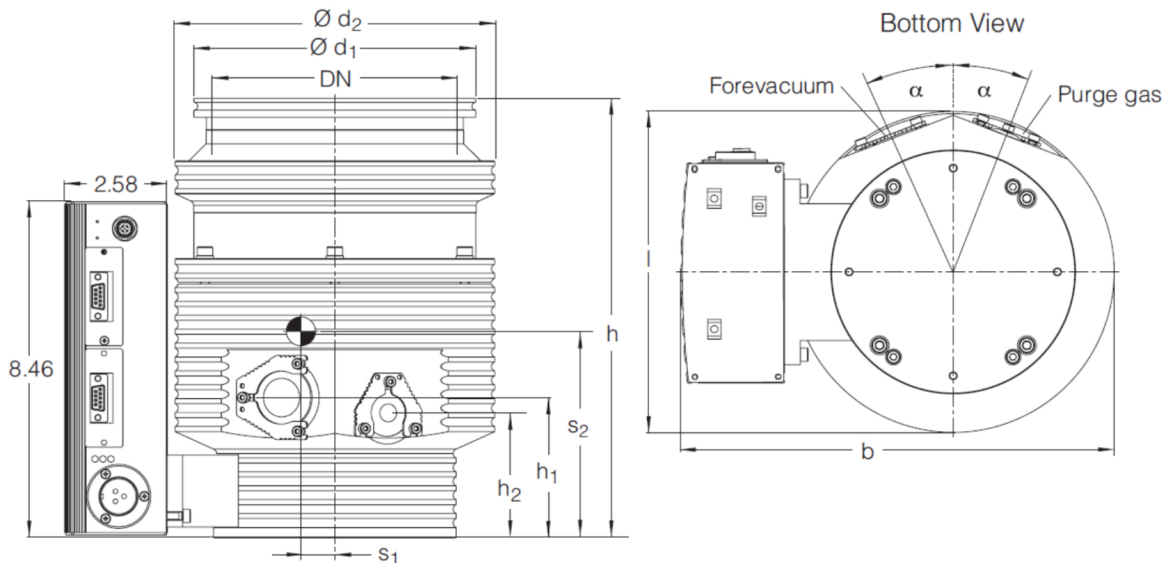
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Leybold Mag W 300iP, 400iP Pumping Curves



Dimensions



		DN	Ø d ₁	Ø d ₂	h	h ₁	h ₂	l	b	b*	α	s ₁	s ₂
MAG W 300 iP	mm	100 ISO-K	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
	mm	100 CF	151.5	155.0	264.3	77.7	70.0	156.0	250.0	233.0	16°	15.0	129.0
	in.		5.96	6.10	10.41	3.06	2.76	6.14	9.84	9.17	16°	0.59	5.08
MAG W 400 iP	mm	160 ISO-K	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	10.33	9.67	16°	0.75	4.17
	mm	160 CF	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	9.13	10.78	10.11	16°	0.55	5.08

b* = width with plug of the DRIVE/BEARING cable connected instead of MAG.DRIVE IS



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Leybold Mag W 300iP, 400iP Features & Benefits

- installation in any orientation
- water or air cooling option
- highest pumping speed from the smallest possible size
- new standard regarding maintenance-free systems
- suitable for vibration sensitive applications
- flexibility due to 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 • ion implantation