

Technical Data

Product: MAG W 1300 iPL

Part No.: 411300V0716

Inlet connection:	DN 200 CF	
Outlet connection:	DN 40 ISO-KF	
Purge gas / venting connection:	DN 16 ISO-KF (clamp shoe)	
Pumping speed		
N ₂ - Nitrogen:	1100 l/s	
Ar - Argon:	1050 l/s	
He - Helium:	1130 l/s	
H ₂ - Hydrogen:	1220 l/s	
Gas throughput		
N ₂ - Nitrogen: (continuous operation)	20.0 mbar x l/s	
N ₂ - Nitrogen: (temporary)	30.0 mbar x l/s	
Ar - Argon: (continuous operation)	15.0 mbar x l/s	
Ar - Argon: (temporary)	20.0 mbar x l/s	
Compression ratio		
N ₂ - Nitrogen:	> 1.0 x 10 ⁸	
Ar - Argon:	> 1.0 x 10 ⁸	
He - Helium: (at 1 sccm)	2.0 x 10 ⁵	
H ₂ - Hydrogen: (at 1 sccm)	8.0 x 10 ³	
Ultimate pressure:	< 1.0 x 10 ⁻¹⁰ mbar	< 7.5 x 10 ⁻¹¹ Torr
Max. foreline pressure for N ₂ :	4.0 mbar	3.0 Torr
Max. foreline pressure for Ar:	0.6 mbar	0.45 Torr
Nominal rotation speed:	37800 min ⁻¹	37800 rpm
Run -up time:	< 7 min	
Mains connection:	200-240 V, 50/60 Hz	
Max. power consumption:	750 W	
Power consumption at ultimate pressure:	150 W	
Interfaces		
Control Slot:	24 V SPS (X1)	
Service Slot:	RS232	
Protection rating:	IP 54	

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Admissible ambient temperature:	+10 to +45°C	+50 to +113°F
Cooling:	Water	
Cooling water connection:	G 1/8", Inside thread	
Cooling water consumption:	> 60 l/h	
Max. Permissible cooling water pressure:	6 bar	
Permissible cooling water temperature:	+10 to +35°C	+50 to +95°F
Dimensions:	see dimension sheet	
Weight:	≈ 40.0 kg	

Technical data are subject to change