

Technical Data

Product: MAG W 1700 iP

Part No.: 411700V0504

Inlet connection:	DN 250 ISO-F
Outlet connection:	DN 40 ISO-KF
Purge gas / venting connection:	DN 16 ISO-KF (clamp shoe)

Pumping speed	
N ₂ - Nitrogen:	1610 l/s
Ar - Argon:	1480 l/s
He - Helium:	1710 l/s
H ₂ - Hydrogen:	1660 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)	4,0 x 10 ³

Ultimate pressure:	< 1.0 x 10 ⁻⁸ mbar	< 7.5 x 10 ⁻⁹ 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:	33000 min ⁻¹	33000 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:	Profibus
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:	≈ 45.0 kg	

Technical data are subject to change