

## Technical Data

Product: MAG W 1600 iP Booster

Part No.: 411600V0504

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

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Pumping speed	
N <sub>2</sub> - Nitrogen:	1600 l/s
Ar - Argon:	1470 l/s
He - Helium:	1770 l/s
H <sub>2</sub> - Hydrogen:	1570 l/s

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Gas throughput	
N <sub>2</sub> - Nitrogen: (continuous operation)	30.0 mbar x l/s
N <sub>2</sub> - Nitrogen: (temporary)	60.0 mbar x l/s
Ar - Argon: (continuous operation)	20.0 mbar x l/s
Ar - Argon: (temporary)	30.0 mbar x l/s

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Compression ratio	
N <sub>2</sub> - Nitrogen:	$> 1.0 \times 10^7$
Ar - Argon:	$> 1.0 \times 10^7$
He - Helium: (at 1 sccm)	$6.0 \times 10^4$
H <sub>2</sub> - Hydrogen: (at 1 sccm)	$1.0 \times 10^3$

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Ultimate pressure:	$< 1.0 \times 10^{-8}$ mbar	$< 7.5 \times 10^{-9}$ Torr
Max. foreline pressure for N <sub>2</sub> :	1.0 mbar	0.75 Torr
Max. foreline pressure for Ar:	1.0 mbar	0.75 Torr
Nominal rotation speed:	33000 min <sup>-1</sup>	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	

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Interfaces	
Control Slot:	ProfiBus
Service Slot:	RS232

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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