

ATH 2303 M, DN 250 CF-F, OBC V4 integrated drive electronics, Profibus, Water cooled, Non-heated

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Hakuto 伯東

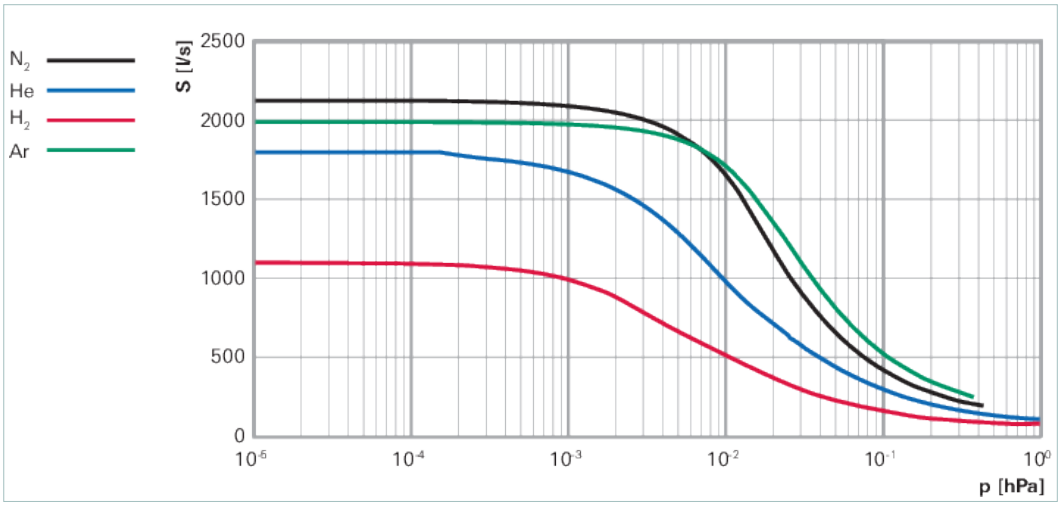
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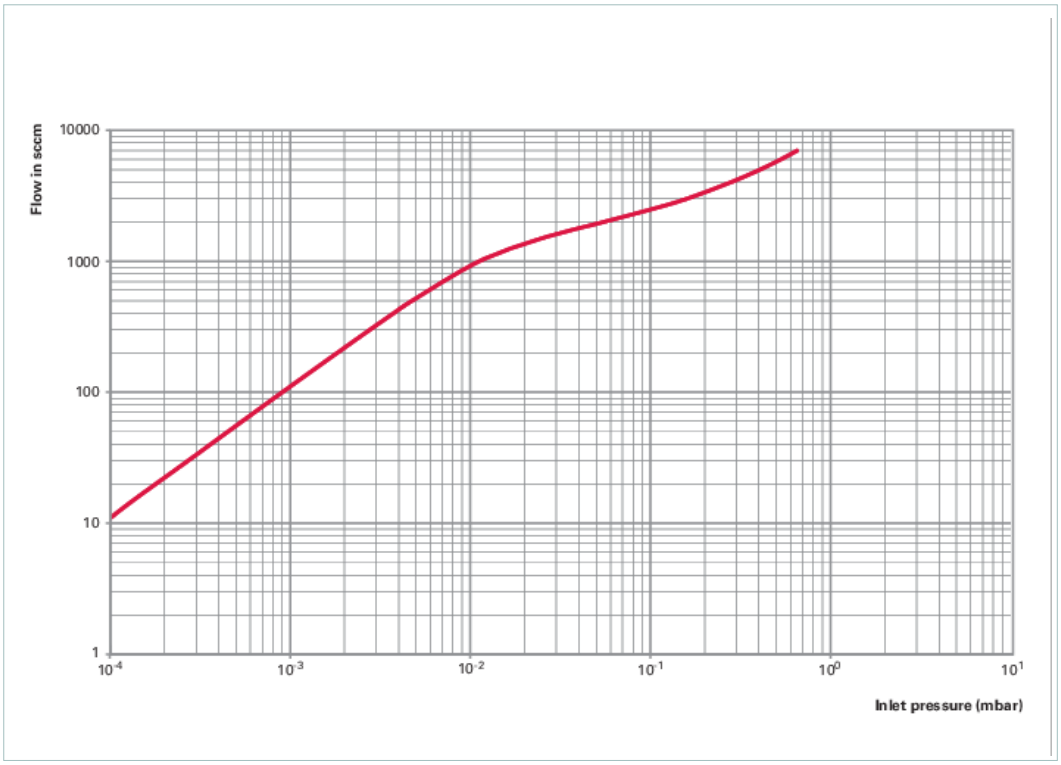


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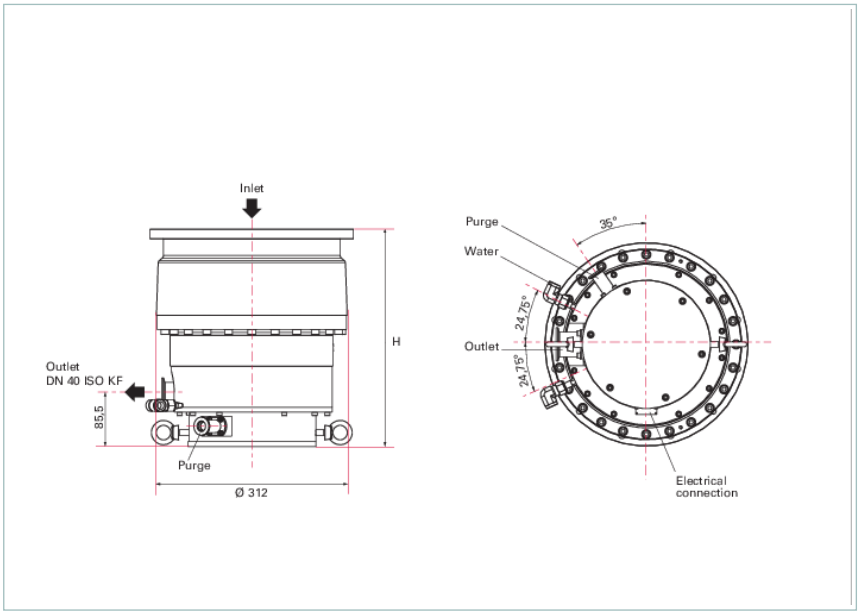
ATH 2303 M, DN 250 CF-F, OBC V4 integrated drive electronics, Profibus, Water cooled, Non-heated

- 5-axis magnetically levitated turbopump with drag stage for a pump speed of up to 2150 l/s for N_2
- DN 250 CF-F inlet flange
- Operation with OBC V4 integrated drive electronics
- Installation in any orientation
- Profibus, Water cooled, Non-heated
- CE marked and ROHS compliant





Dimensions



H 398.1 mm

Technical Data	ATH 2303 M, DN 250 CF-F, OBC V4 integrated drive electronics, Profibus, Water cooled, Non-heated
Bearing	Magnetically Levitated
Compression ratio for Ar	> $1 \cdot 10^8$
Compression ratio for H_2	> $1 \cdot 10^3$
Compression ratio for He	> $3 \cdot 10^4$
Compression ratio for N_2	> $1 \cdot 10^8$
Cooling method	Water
Cooling water consumption	1 l/m
Cooling water temperature	15-25 °C
Cooling water temperature max.	40 °C | 104 °F | 313 K
Electronic drive unit	Integrated drive electronics
Flange (in)	DN 250 CF-F
Flange (out)	DN 40 ISO-KF
Fore-vacuum max. for N_2	2.9 hPa | 2.17 Torr | 2.9 mbar
Gas throughput for Ar	25.4 hPa l/s | 19.05 Torr l/s | 25.4 mbar l/s
Gas throughput for H_2	> 67.6 hPa l/s | > 50.7 Torr l/s | > 67.6 mbar l/s
Gas throughput for He	> 67.6 hPa l/s | > 50.7 Torr l/s | > 67.6 mbar l/s
Gas throughput for N_2	67.6 hPa l/s | 50.7 Torr l/s | 67.6 mbar l/s
Integrated power supply	YES
Interfaces	Profibus
Mounting orientation	in any orientation
Operating voltage	200-240 V AC, 50/60 Hz
Power consumption at ultimate pressure	350 W
Protection category	IP 54
Pumping speed for Ar	2000 l/s
Pumping speed for H_2	1100 l/s
Pumping speed for He	1800 l/s
Pumping speed for N_2	2150 l/s
Pumping speed range	2300 l/s
Rotation speed ± 2 %	31,000 rpm | 31,000 min^{-1}
Run-up time	< 8 min
Ultimate pressure	< $6 \cdot 10^{-9}$ hPa | < $4.5 \cdot 10^{-9}$ Torr | < $6 \cdot 10^{-9}$ mbar
Weight	68 kg | 149.91 lb

Order number	
ATH 2303 M	**TMBBB622005A**

Accessories	
Electronic controllers	
Hand Held Remote (HHR) with cable	**114461**
Inlet screen	
Aluminum inlet screen kit for DN250	**111640**
Stainless inlet screen kit for DN250 - M 5	**108762**
Mounting kits	
Mounting bolts for CF-F (for ATH 500 M, DN100/160; ATH 2300 M, DN 200/250)	**118690**
Rotatable flange	
Rotatable flange DN250 CF-F	**303133**
Venting valves and other accessories	
Air venting valve (for OBC V4 and Magpower)	**114280**
Dust filter	**106229**
Purge valve 50 sccm	**111921S**
Water inlet valve 24 V DC	**108668**

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