ANGSTROM SCIENCES
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ONYX® 12 Rotary | Standard Magnetics

Metric Specifications

Construction

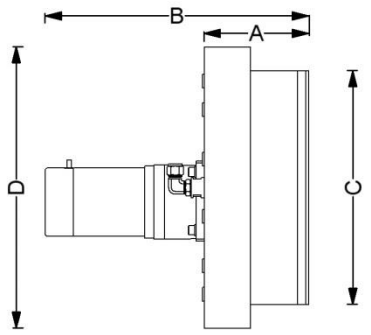
Anode	304 Stainless Steel
Cathode Body	304 Stainless Steel
Insulator	PTFE/PEI/CTFE

Cooling Requirements

Flow Rate at Maximum Power	26.5 LPM
Maximum Input Pressure, Open Drain	4 Bar
Maximum Input Temperature	20° C

Dimensions

A	165mm
B	415.5mm
C	370.4mm
D	445.8mm



General

Magnetic Enhancement	Permanent (NdFeB) Encapsulated
Maximum Temperature	100° C
Source to Substrate Distance	50-300mm
Weight, Approximate Without Options	55kg

Maximum Sputtering Power *

Cathode Voltage	100 – 1500 Volts
Discharge Current	40 Amps
Direct Cooled Mode, DC	20 kW
Direct Cooled Mode, RF	Consult Factory
Operating Pressure	0.07 – 6.7Pa

Mounting Standard

Power	Screw Termination
Flange	DN320-LF
Water Outer Dimension Tubing	19mm

Target

Cooling	Direct/ Bonded
Outer Diameter	305mm
Form	Circular / Planar
Thickness	6-19mm

Specifications Disclaimer

- All Angstrom Sciences NdFeB magnets are totally encapsulated and protected from degradation by water.
- * Maximum power for cathode only, a target material's properties, such as, thermal and electrical conductivity may limit the maximum process power level.
- Specifications are subject to change without notice.
- Typical performance. Results may vary with process parameters such as pressure, flow rate, target material, substrate rotation, etc.

Please contact us for specifications regarding your application.
Angstrom Sciences | Call +1-412-469-8466 | www.angstromsciences.com