ANGSTROM SCIENCES
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ONYX® 1" IC Target | Mag II Magnetics

Metric Specifications

Construction

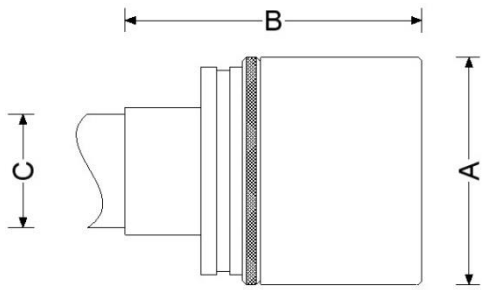
Anode	304 Stainless Steel
Cathode Body	OFHC Copper
Insulator	PEI

Cooling Requirements

Flow Rate at Maximum Power	0.95 LPM
Maximum Input Pressure, Open Drain	4 Bar
Maximum Input Temperature	20° C

Dimensions

A	38.1mm
B	50.9mm
C	19mm



General

Magnetic Enhancement	Permanent (NdFeB) Encapsulated
Maximum Temperature	100° C
Source to Substrate Distance	50-300mm
Weight, Approximate Without Options	200g

Maximum Sputtering Power *

Cathode Voltage	100 – 1000 Volts
Discharge Current	.1 to 1 Amps
Indirect Cooled Mode, DC	75 Watts
Indirect Cooled Mode, RF	25 Watts
Operating Pressure	0.25 – 7.0 Pa

Mounting Standard

Power	Type N External threads
Stem, Outer Dimension Tubing	19mm
Water Outer Dimension Tubing	4.75mm

Target

Cooling	Indirect
Outer Diameter	25.4mm
Form	Circular / Planar
Thickness, Magnetic	1.5mm Nickel (Ni)
Thickness, Non-Magnetic	3mm

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