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

US Specifications

Construction

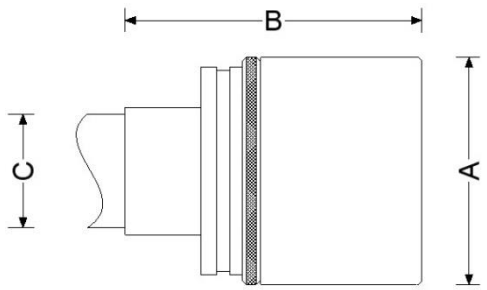
Anode	304 Stainless Steel
Cathode Body	OFHC Copper
Insulator	PEI

Cooling Requirements

Flow Rate at Maximum Power	0.25 GPM
Maximum Input Pressure, Open Drain	60 psi
Maximum Input Temperature	68° F

Dimensions

A	1.50”
B	2.00”
C	0.750”



General

Magnetic Enhancement	Permanent (NdFeB) Encapsulated
Maximum Temperature	212° F
Source to Substrate Distance	2.0 – 12.0”
Weight, Approximate Without Options	7 oz.

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	2 – 50 mTorr

Mounting Standard

Power	Type N External threads
Stem, Outer Dimension Tubing	0.750”
Water Outer Dimension Tubing	0.187”

Target

Cooling	Indirect
Outer Diameter	1.00”
Form	Circular / Planar
Thickness, Magnetic	.062” Nickel (Ni)
Thickness, Non-Magnetic	.125”

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