

Cylindrical Magnetrons Specification

Metric Specifications

Cooling Requirements

Flow Rate	3.8 LPM / 4 kW Power
Maximum Input Temperature	20° C

General

Magnetic Enhancement	Permanent (NdFeB) Encapsulated
Maximum Operating Temperature	100° C
Mounting	“O”-Ring Seal Flange
Source to Substrate Distance	50mm – 300mm
Uniformity (Static)	Adjustable to better than +/- 2%
Target Utilization	Greater than 85% with no enhancement

Maximum Sputtering Power*

Cathode Voltage	100 to 1500 Volts Continuous
Discharge Current	300 Amps Maximum
DC	120 Kilowatts
MF	60 Kilowatts

Target

Cooling	Direct/Indirect
Diameter	76mm / 127mm / 153mm-170mm
Fixation	Quick Clamp
Form	Cylindrical

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, and substrate orientation, etc.

Please contact us for specifications regarding your application.