



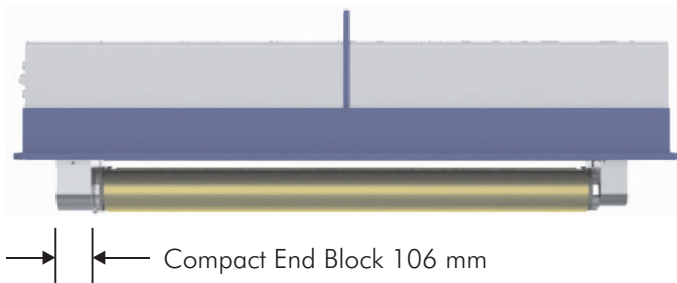
## Rotary Magnetron Sputter Cathode

### High Performance Industrial Design

- **80% Target Utilization**
- **No Lip Seals**
- **Ceramic Rotary Water Seal**
- **Rugged, Low Maintenance**
- **24-Month Limited Warranty**



## General Plasma Introduces an Improved Rotary Magnetron Cathode



### Leak Free Vacuum and Water Seals

- Ferro Fluid Vacuum Seal
- Independent Oversized Support Bearings
- Ceramic Rotary Water Seal



### 3 End Block Configurations Available



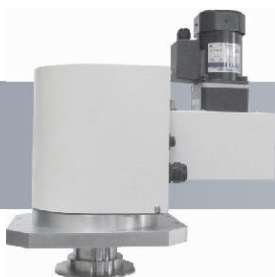
#### Compact End Block

- Maximize Target Length in Chamber <2m
- Retrofit for Planar Magnetrons



#### Standard End Block

- Target Tube Length >3 m
- Retrofittable to Existing Glass Coaters

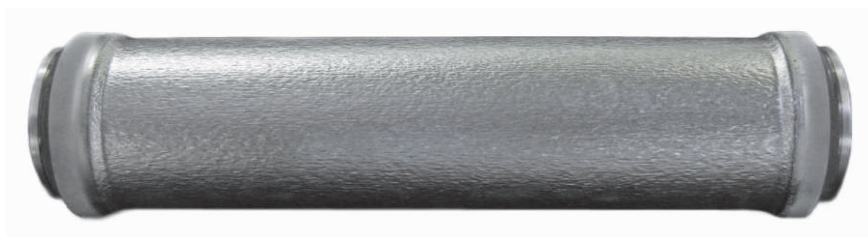


#### External End Block

- Components External to Vacuum
- Vertical or Horizontal Installation

## Advanced Magnetic Bar Design

- Focused Field Magnetics Improves Deposition Efficiency
- Stiff, High Quality Design
- Sputtering of Magnetic Materials also possible



Target Tube

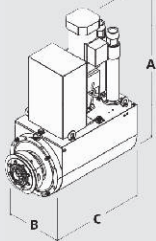
- >80% Target Utilization
- No Dog-Boning Necessary
- Excellent Deposition Uniformity  $\pm 3\%$

## Robust Target Tube End Seal Design

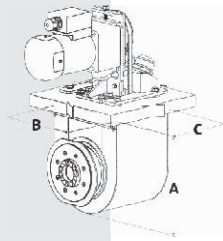


- Non-Proprietary Design – Backing Tube Fabrication Drawing Supplied
- High Integrity Vacuum Seal
- Adapter Kits Available for Existing Target Tubes

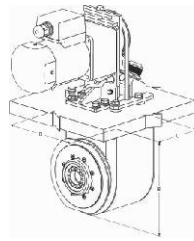
## End Blocks



External End Block



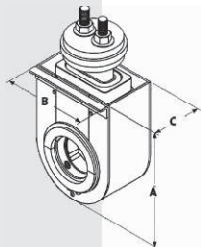
Standard End Block



Compact End Block

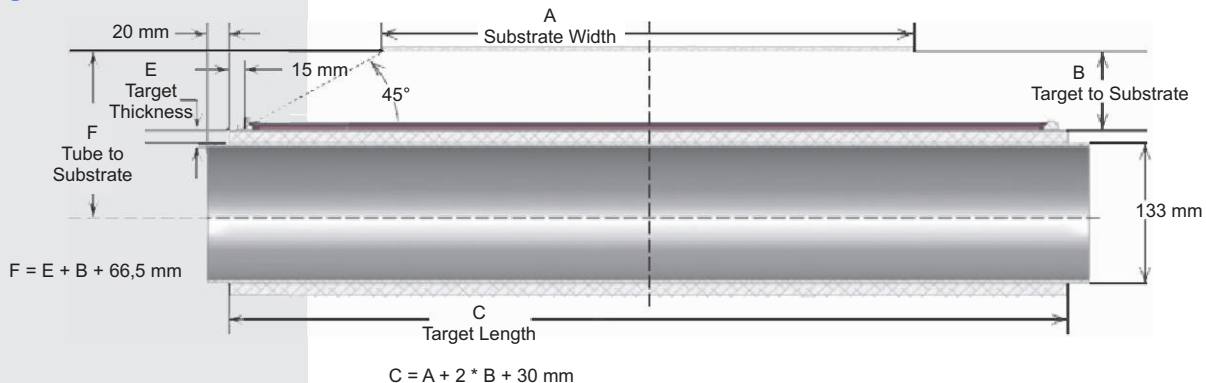
Rotary Magnetron End Block Selection			
	External	Standard	Compact
Height (A)	645 mm	311 mm	194 mm
Width (B)	236 mm	200 mm	160 mm
Length (C)	426 mm	204 mm	122 mm
Weight	57 kg	56 kg	32,5 kg

## End Support



End Supports (Required for > 1m)		
	Standard End Support	Compact End Support
Height (A)	264 mm	177 mm
Width (B)	141 mm	125 mm
Length (C)	150 mm	77 mm
Weight	11 kg	7 kg

## Magnet Bar (Specify target length: 300 - 4,000 mm in 50 mm increments)



## End Cap Kit (Required)

Includes End Caps, Clamps And Seals For Both Ends Of Target Tube

## Magnetron Optionen

- Bare Target Tube (Specify Target Length)
- Other Custom Options Available



*All dimensions are approximate and subject to change*

In cooperation with our partner General Plasma Inc., an innovation leader in vacuum thin film coating, JUST VACUUM offers you high performance sputter magnetrons and ion sources. JUST VACUUM represents exclusively the products of GPi in Europe. You will find more information on our website [www.justvacuum.com](http://www.justvacuum.com).