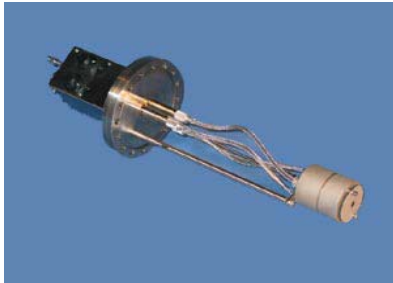


## RFN Ion Beam RF Neutralizer



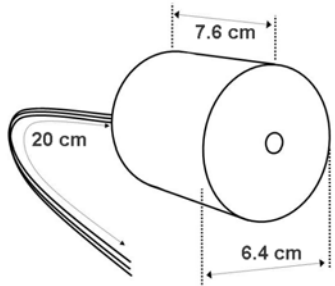
- Operates with RF and DC ion beam sources
- Eliminates the need for filament style neutralizers
- Low maintenance
- Lightweight & easy to install
- Compatible with Ion Tech sources & power supplies

### Description

In an ion beam system, a neutralizer injects electrons into the ion beam plasma to neutralize space charge effects in the beam. A typical neutralizer is commonly a simple hot filament which erodes over time, and more rapidly in the presence of reactive gases.

An alternative is the RF Neutralizer which creates electrons by RF discharge. The RFN has no filament and is positioned outside of the beam path, significantly reducing maintenance. The RFN enables an ion source to be used with reactive gas species that would normally shorten the life of a filament neutralizer. Flange and matching network is sold separately. Most common flange sizes and types are available to meet your system requirements.

### Specifications

Model number	RFN RF Neutralizer	<div style="text-align: center;">  </div>
Part Number	504424B	
Emission current	Max 900 mA	
RF Power	Max 100 Watts	
Mounting configuration	Internal mount, typically attached to a flange or feedthrough.	
Weight	.91 Kg (2 lbs)	
Compatible power supplies	I-BEAM™ 701 RF/RFN I-BEAM™ 702 RFN stand alone	

