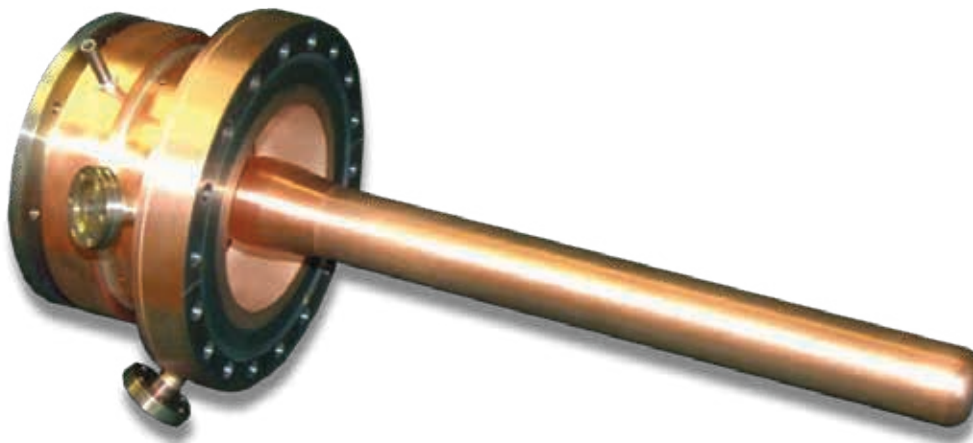


Communications & Power Industries Power Coupler



The WVP1133 Fundamental Power Coupler was designed for the Spallation Neutron Source (SNS) Superconducting Accelerator. The Spallation Neutron Source makes use of superconducting RF cavities resonating at 805 MHz to accelerate H⁻ ions to up to 1300 MeV. The WVP1133 power coupler is a coaxial coupler with a single ceramic window providing the vacuum interface. The vacuum side of the ceramic is coated with TiN to suppress multipactor. The WVP1133 was designed by AMAC International in collaboration with CPI. The WVP1133 was successfully qualified at Thomas Jefferson National Accelerator Facility in 2002.

FEATURES:

- Frequency: 805 MHz
- Peak power: 1000 kW
- Average power: 60 kW
- Cooling: Water

APPLICATIONS:

- Superconducting linear accelerators

CPI Model Number	Accelerator Application	Freq. (MHz)	Peak Power (kW)	Avg. Power (kW)
WVP1133	SNS Prototype (JLAB)	805	1000	60