

Magnetron — 75 kW L-Band CW

CWM — 75 kW

The CWM 75 kW is a fixed tuned magnetically focused, air and liquid-cooled, ceramic-metal magnetron designed for industrial processing applications. It can continuously generate 75 kW of useful power at 915 MHz with efficiencies approaching 90%.

KEY FEATURES

- 896, 915, 922, 929 MHz
- CW, Output power 75 kW
- 90% efficiency
- Air and liquid cooled



SPECIFICATIONS

Electrical Characteristics	
Frequency Range	896, 911, 915, 922, 929 MHz
Power Output	75 kW
Anode voltage	19 kV
Anode current	6.0 A
Efficiency	85 %
Filament Current (standby)	115 A
Max Load VSWR	1.5:1
Max Inlet Water Pressure	100 psi
Max Outlet Water Temp	70°C
Max Anode Dissipation	25 kW

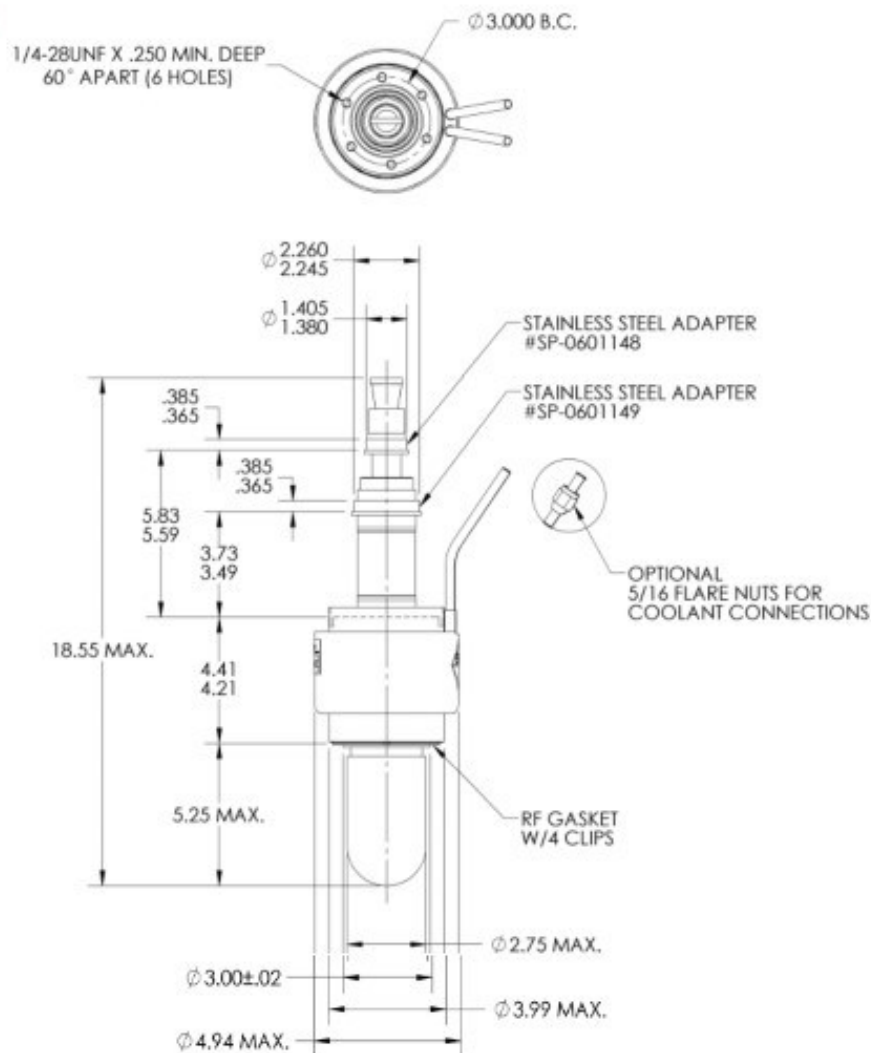
Mechanical Description	
Mounting Position	Any
Dimensions	See outline drawing
Terminal Connection	See outline drawing
Max Length	18.55 in
Max Diameter	4.94 in
Weight	15 lbs., 6.9 kg

Typical Operating Conditions	
Frequency	915 MHz
CW Output Power	75 kW
Anode Voltage	18 kV
Anode Current	4.75 A
Efficiency	88%
Filament Voltage	12.6 VAC
Filament Current (operating)	80 A
Electromagnet Current	4.0 A
Load VSWR	1.2:1
Anode Water Flow	5 gpm
Anode Cooling Temp	15°C
Cathode Air Flow	5 cfm
Dome Air Flow	40 cfm

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*Dimensions in inches unless otherwise indicated.



Detailed outline drawings are available on request. Specifications and features are subject to change without notice.

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