

SPECTRAL

IsoPole VHF Jr.

The **SPECTRAL** IsoPole Jr. represents a different concept in omni directional antenna system for base stations, offering great performance and excellent features as:

- Zero degree radiation angle, Main lobe oriented into the horizon
- Great Broadband
- 1000 watts of power handling
- Easier to assembly than other antennas

Constructed with the best materials available, the IsoPole Jr is designed to be mounted in a metallic tube of 1.25 in. (32 mm) of external diameter and 1" in. (25,4 mm) of internal diameter to allow the path of a PL259 connector.

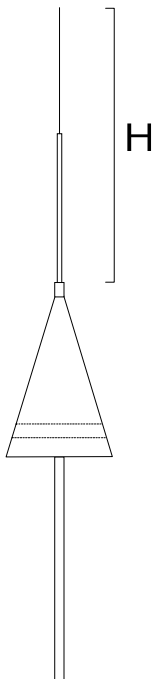
The minimum length of the mast is 40" in (1 meter). Must be used a tube **free of corrosion, anodized or paint**
Masts of Aluminum, stainless steel, or galvanized steel, can be used with good results.

INSTRUCTIONS FOR ASSEMBLY (USE GLOVES TO AVOID METAL CUTS)

- 1-Insert the polyethylene disc into the mast.
- 2-Insert the cone into the mast, leaving the superior mouth of the cone at the top of the mast
- 3-Path the transmission line provided with the PL 259 connector across the mast.
- 4-Install the radiator base into the top of the mast attaching the mast with the cone and the base of the radiator and adjusting the screws with moderated pressure, to prevent the damage of the threads
- 5- Perform some pressure into the polyhteline disc to leave centered inside the cone

TUNING

The operation of tuning of the IsoPole Jr. antenna is simple, only requires to adjust the length of the upper element according with the tuning chart, so if you want to tune the antenna for higher frequencies the upper element must be shorten. The inverse operation must be performed to adjust the antenna for lower frequencies.



Frequency Chart

Mhz	H	
127	46	117
130	44	112
138	42	107
146	37 ¾	0,96
158	33 ½	0,86
161	31 ¾	0,81

Inches Meters

SPECIAL RECOMMENDATIONS

- *Never turn the upper radiator. Internal parts can be broken.
 - *Never use pliers or force tools to adjust the connector. This procedure must be performed with hands.
 - *Never hold the antenna with hands or ropes taking it from the radiator .Perform this operation taking it from the base of the radiator
- Technical support on line: tech@isopole.com

Warning !

- *The antenna should be mounted so as clear surrounding objects as much as possible, A high location is appropriated . Be sure to mount the antenna so it will neither touch or be able to fall with power wiring.