

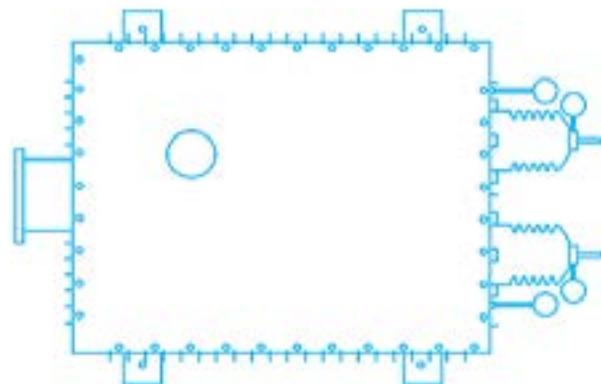
HF500/1000 High Power Broadcast Antenna Matching

The HF500/1000 is a high-power broadcast antenna matching unit designed for the HF frequency range of 1.5 to 30 MHz.

It optimises power transfer between transmitter and antenna, minimising signal loss and maximising performance. With a power capability of up to 1,000 kW, it supports large-scale transmissions.

Built for reliability, it features robust construction and high-quality components to ensure long-term stability and consistent impedance matching, reducing power reflection and equipment wear. Ideal for broadcast, military, and HF communication applications, it integrates easily into existing systems with precise tuning for optimal matching.

With high power handling, durability, and efficient tuning, the HF500/1000 ensures clear, long-range communication with minimal maintenance.



Spec	Information
Frequency	1.5 - 32 MHz
Power	30 kW average + 100% AM modulation
Insertion loss	Less than 0.2 dB
VSWR	Less than 1.2:1 (2 - 30 MHz), Less than 1.3:1 (1.5 - 32 MHz)
Balance ratio	Greater than 26 dB
Max Load VSWR	2.5:1
Coaxial connectors	3 1/8" EIA
Balance terminals	PTFE
Temperature range	-40°C to +55°C
Weight	120kg gross
High voltage protection	Arcing horns and internal static drain
Configuration	Cast aluminium case (LM25). Hermetically sealed. Epoxy paint finish.
Shipping dimensions	1000 x 700 x 550 mm approx.

