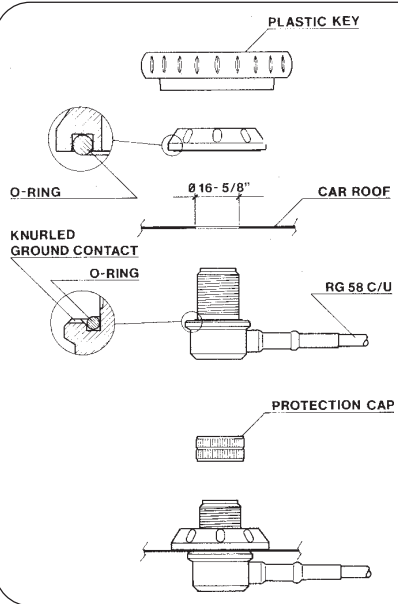


ALTERNATIVE MOUNT TYPE



HP-AC/U angular connector:

Frequency Range: from DC to 500 MHz
 Overall Size: Ø 41 mm
 Mounting Hole: Ø 16 mm
 Materials: Brass nichel plated, Teflon insulator, Gold plated pin
 Cable: 5m RG 58 C/U MIL-C-17F / FME-female
 Adaptor: FME-male/ UHF-male (PL259)
 Antenna connection: UHF-female

P/N 2510805.00 HP-AC/U



HP MAG H 12 PL:

Frequency Range: from DC to 500 MHz
 Overall Size: Ø 92 mm
 Materials: Chromed Brass, Nylon, Teflon insulator, Gold plated pin
 Cable: 3.6 m RG 58 C/U MIL-C-17F / FME-female
 Adaptor: FME-male / UHF-male (PL259)
 Antenna connection: UHF-female

P/N 2511802.05 HP MAG H 12 PL



HP MAG 125 PL:

Frequency Range: from DC to 500 MHz
 Overall Size: Ø 127 mm
 Materials: Chromed Brass, Nylon, Teflon i insulator, Gold plated pin
 Cable: 3.6 m RG 58 C/U MIL-C-17F / FME-female
 Adaptor: FME-male / UHF-male (PL259)
 Antenna connection: UHF-female

P/N 2511202.05 HP MAG 125 PL

HP 2000

HP 2000 C

VHF 2m Radialless Mobile Antennas



HP 2000



HP 2000 C

Installation Manual

DESCRIPTION

VHF radialless vehicular antenna working on 2m band. The very best materials have been used to guarantee the maximum strength and the best performance. The whip, made of 17/7 PH stainless steel, has an inclination system that allows the 90° tilting without using keys or tools. Also a particular attention has been paid to the UHF-male connector with a goldplated center pin, "Teflon" insulator and silicone rubber gasket for a perfect waterproofing.

SPECIFICATIONS

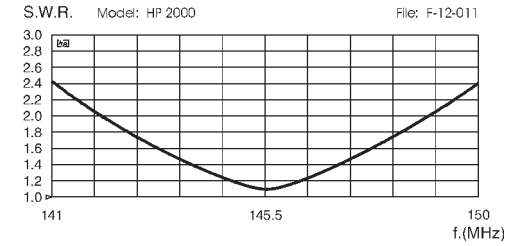
Electrical Data

Type	:	1/2 λ
HP 2000	:	C-loaded
HP 2000 C	:	
Design Frequency	:	145 MHz
Impedance	:	50 Ω Unbalanced
Radiation (H-plane)	:	360° Omnidirectional
Polarization	:	Vertical
Gain	:	
HP 2000	:	1.5 dB ref. to $\lambda/4$ whip
HP 2000 C	:	2 dB ref. to $\lambda/4$ whip
Bandwidth at V.S.W.R. 2:1	:	
HP 2000	:	6.9 MHz
HP 2000 C	:	20 MHz
V.S.W.R. at res. freq.	:	$\leq 1.2:1$
Max Power	:	150 Watts (CW) at 50° C
Feed System / Position	:	Transformer DC-Ground / Base
Connector type	:	UHF-male (PL 259)

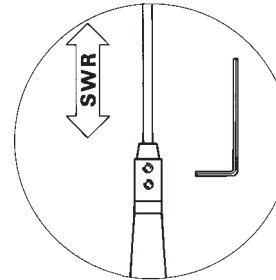
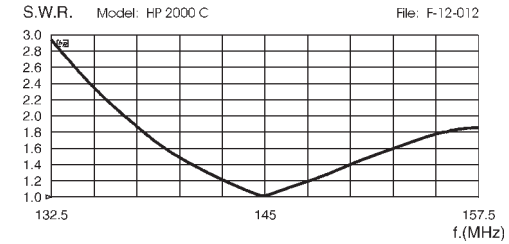
Mechanical Data

Materials	:	Stainless Steel 17/7 PH, Nylon, Chromed Brass
Height (approx.)	:	
HP 2000	:	1050 mm
HP 2000 C	:	1410 mm
Weight (approx.)	:	320 gr

TYPICAL S.W.R. RESPONSE



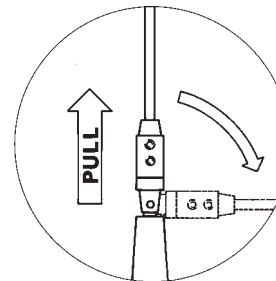
TYPICAL S.W.R. RESPONSE



ADJUSTMENT

ADJUSTMENT: all SIRIO HP Antennas are factory adjusted and no additional tuning is usually required. However, if the center frequency needs to be changed, please follow these simple directions:

1. Release the allen-screws on the whip using the supplied key
2. Move the whip in or out as needed to obtain a low SWR at your preferred frequency range.
3. After tuning, re-tighten the allen-screws to lock the whip.



TILTING

TILTING: all SIRIO HP Antennas have an inclination system that allows the 90° tilting without use keys or special tools.

