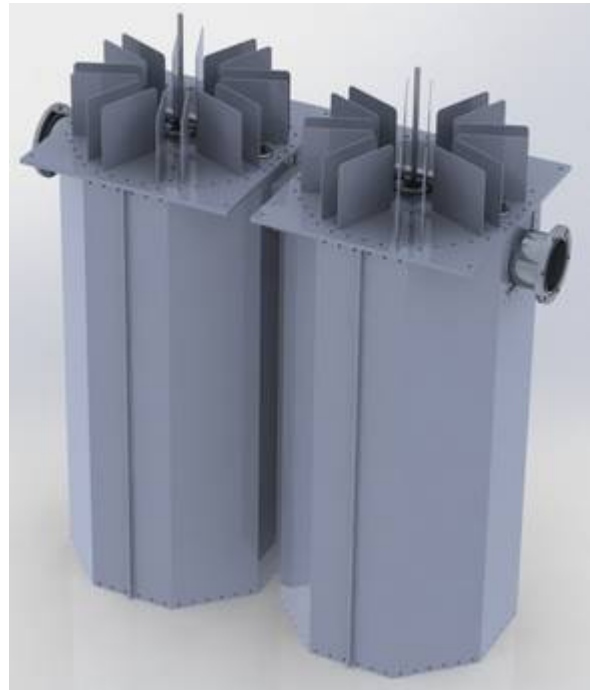


MODEL FFC40

- **BAND-PASS FILTER**
- **FM BAND 87.5-108 MHz**
- **BAND II**



THESE ARE TWO STANDARD RESONANT CAVITY FILTERS, AND IN SPECIAL VERSION WITH 3 AND 4.

ALL THE MODELS ARE USED TO MAKE UP MIXERS WITH SEVERAL CHANNELS.

The pass band filters was designed as an extension of our band pass combiner technology. Using our industry-leading square, cavity filter design, the filter provides a one-time-buy filtering solution for the broadcaster located at multiple-user site.

The filter isolates the transmission system to eliminate spurious emissions.

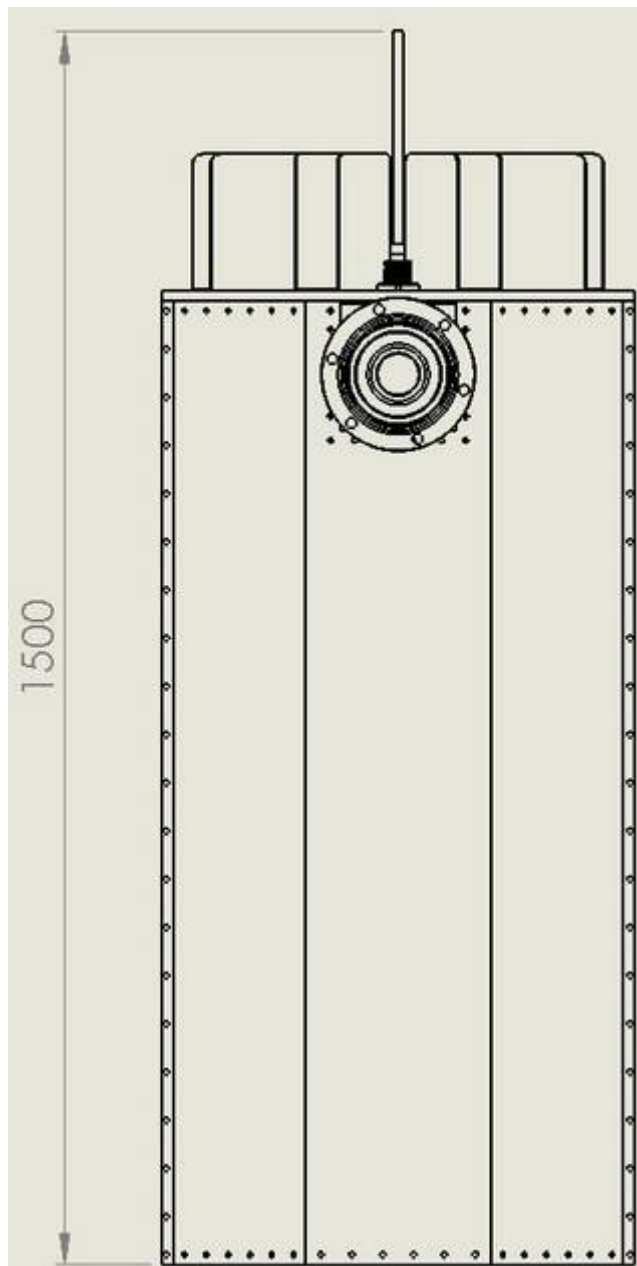
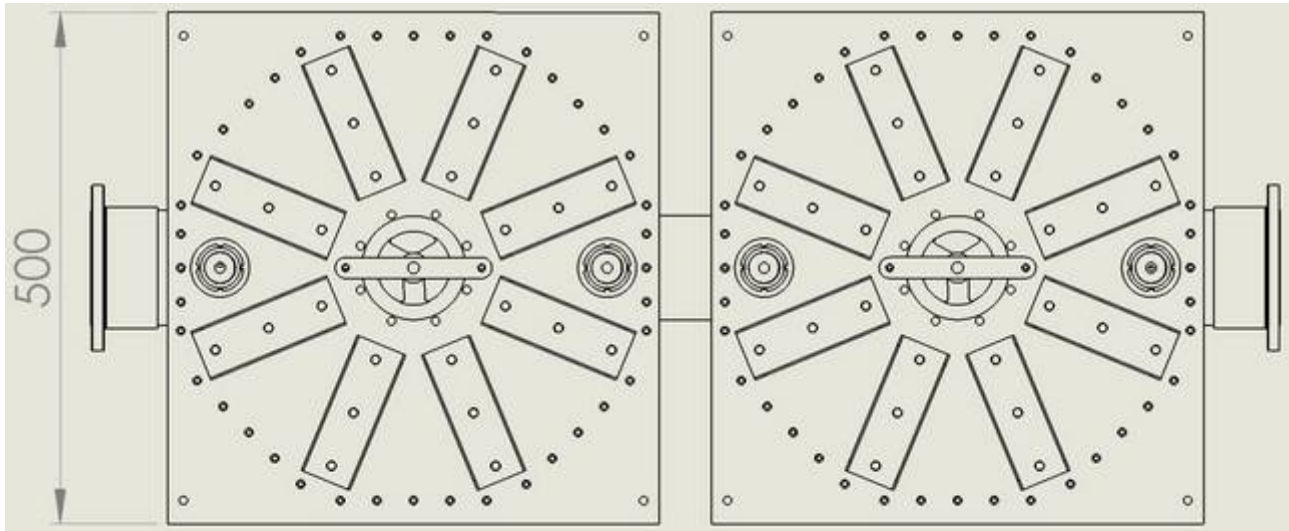
TYPICAL SPECIFICATIONS

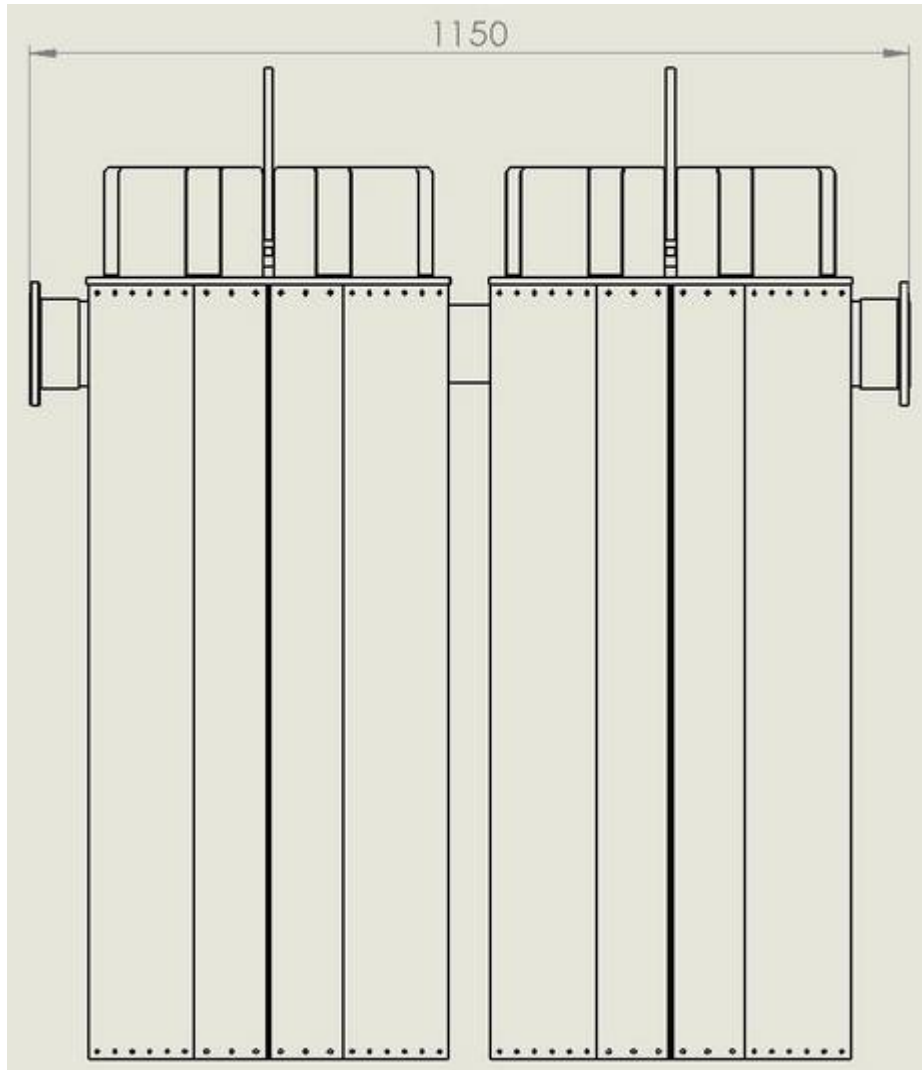
Model	FFC40
Impedance	50 Ohm
Frequency Range	87.5-108 MHz
VSWR ± 150 KHz	1.1:1 max
Insertion Loss	≤ 0.09 dB
Return Loss ± 150 KHz	≤ -26 dB
Rejection	per customer's requirements (Typical ± 1 MHz it's even to -14 dB)
Connectors	Input - Output 4+1/2"
Max Power	40 KW
Working Temperature	$-20^{\circ}\text{C} \div +50^{\circ}\text{C}$
Colour	Enamel gray ral 7001
Materials	Aluminium, Brass, Copper, PTFE, Stainless Steel, Silvering (min $12\mu\text{m}$ thickness)

Features:

- **Modular design**
- **Distortion – Free Transmission**
- **Standard configuration of 2 cavities**
- **Special configuration 3 and 4 cavities**
- **Low loss, high isolation**
- **Natural convection**

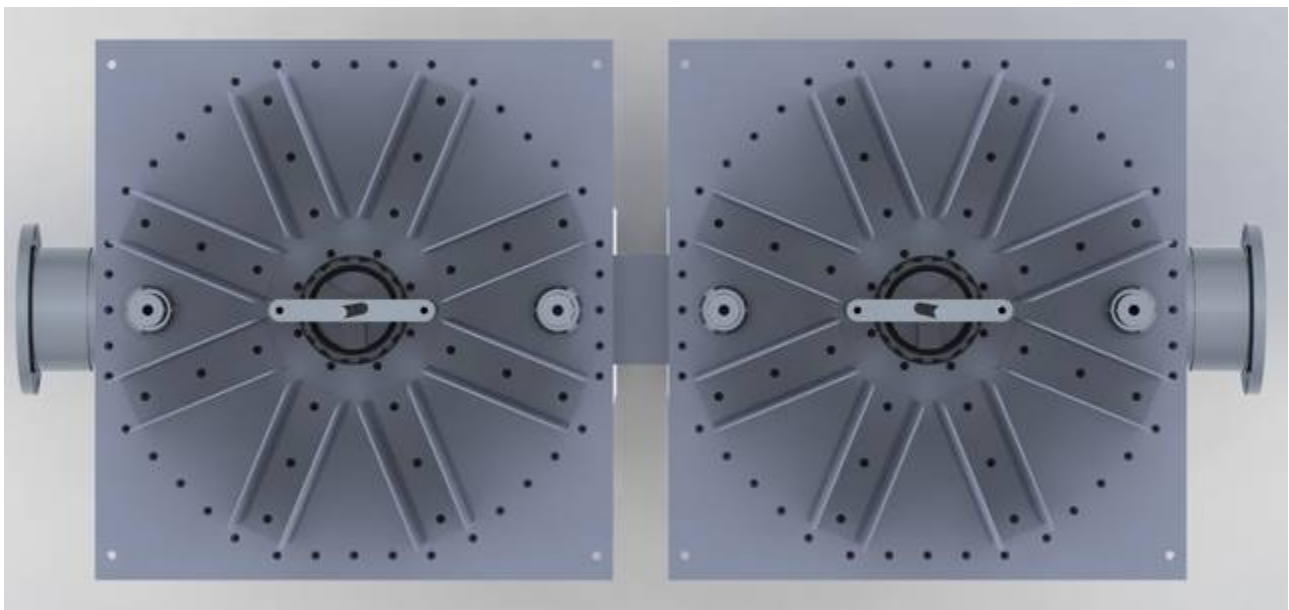
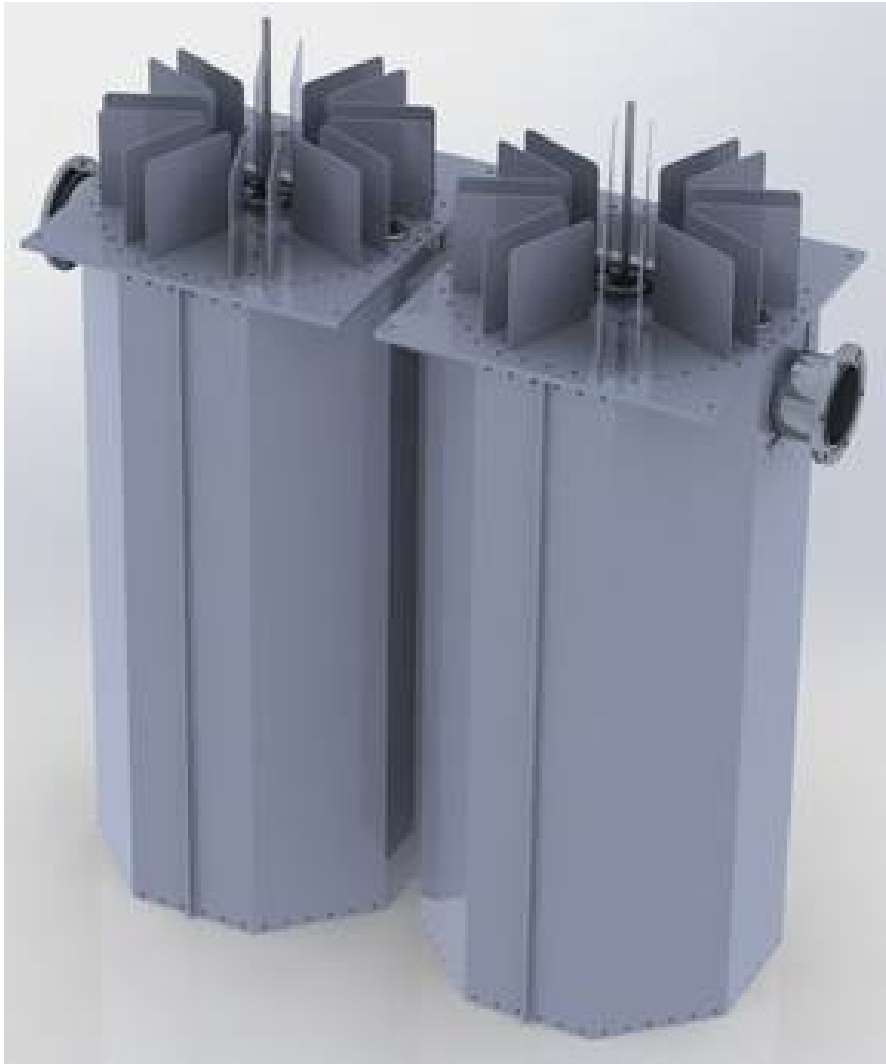
DIMENSIONS (mm)

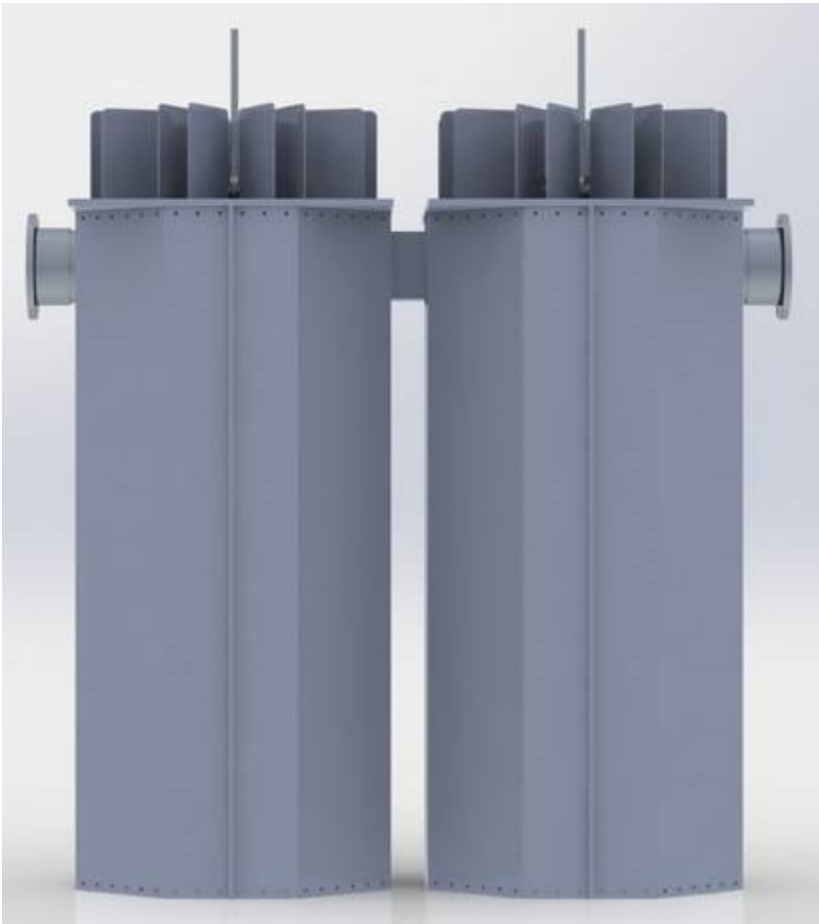




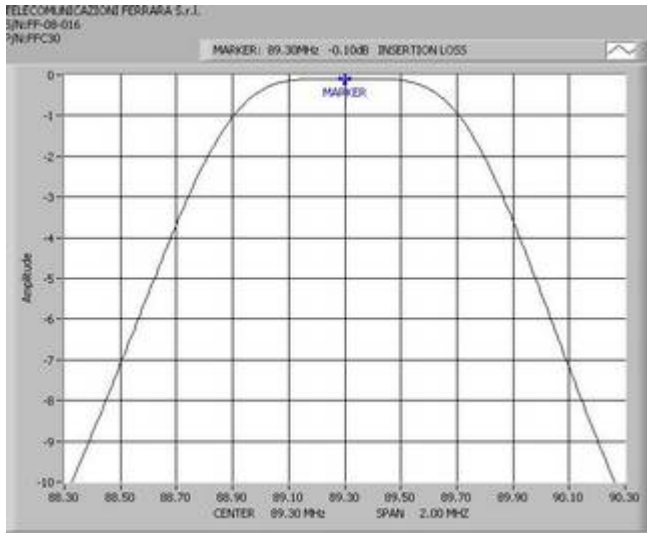
Dimensions	1500 (Max size)×1150×500 mm (59 (Max size)×45.2×19.6 inch) (H×L×W)
Net Weight	≅ 58 Kg (double cavity)

IEWS OF THE SYSTEM

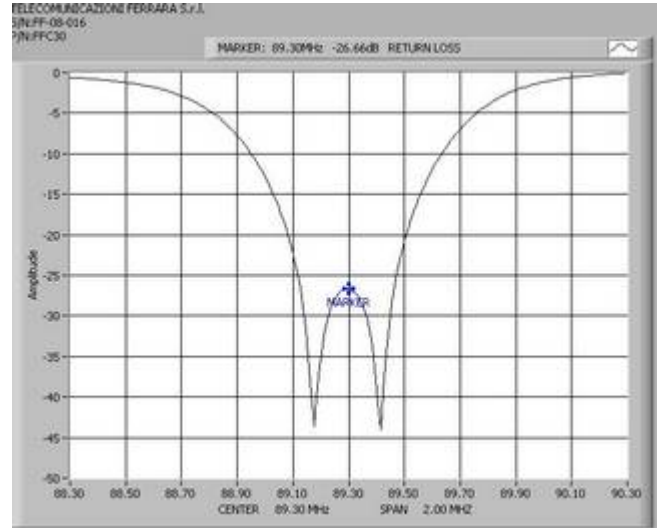




Example of Insertion Loss



Example of Return Loss



TELECOMUNICAZIONI FERRARA SRL

R.V.R. ELETTRONICA S.p.a. – Via del Fonditore, 2/2c – Zona Roveri
40138 BOLOGNA – ITALY
TEL.: (+39) 051 6010506 FAX: (+39) 051 6011104
e-mail: info@rvr.it – <http://www.rvr.it>

Sales Office and Plants: Telecomunicazioni Ferrara S.r.l. Via Dei Calzolai, 156
44100 FRANCOLINO (FERRARA) – ITALY
TEL.: (+39) 0532.72.40.33 FAX: (+39) 0532.72.48.19
E-Mail: info@telecfe.it www.telecfe.it

The firm reserve the right to change without prior notice the information contained in this brochure. Whilst every effort is made to ensure that details are correct at time of print, the firm cannot be held responsible for any error.

The manufacturer is not liable for any lost profits, damage or claims from third parties incurred due to the use of this manual or the products described in this manual.

Il fabbricante non è responsabile per danni, perdite di profitto o qualsiasi pretesa da terze parti incorsi, dovuti all'uso di questo manuale o dei prodotti descritti nel presente manuale.