

Renova Audio

NETWORK CONDITIONERS FOR PROFESSIONAL AUDIO SYSTEMS



*The definitive network air conditioners for the perfect power of your hi-end system
specifically designed for the power use of professional-grade audio systems.*

An advanced voltage control system with a wide **input** range **(-20%)** is paired with a copper **shielded** insulation transformer and a pair of **RFI-EMI** suppression filters that allow you to use a perfect voltage in any input condition. In particular, the insulation transformer acts as an excellent noise suppressor, limits over-voltage and protects the load from atmospheric discharges. The system is free of cooling fans and very silent. On the front there is a digital voltmeter, the switch for input/output voltage reading, a practical adjustment trimmer that allows you to vary the stabilized output voltage within 5% of the nominal voltage, the network presence led, the automatic protection switch. On the back are the protected input/output terminals and any outgoing sockets.

Appreciate true sound quality with K-factor power systems!

ELECTRICAL SPECIFICATION

Model

Rating power:
 Input Voltage:
 Output Voltage:
 Input voltage change
 Output voltage accuracy
 Isolation level
 Response time
 Frequency:
 Full-load yield
 Load power factor
 Acceptable load variation
 Room temperature:
 Maximum sound pressure level at 1m.
 Relative air humidity
 Operating altitude without derating:
 Degree of protection
 Protection class
 Applied rules:
 Weight kg.
 Size mm. L x P x H

RENOVA.15

1.5KVA

230V c.a. single-phase

230V c.a. single-phase 6.3 A / 10.8 A

184V to 276V (-20%-20%)

1%

3.5kV

20 msec./Volt

50/60 Hz

98%

Any

0 to 100%

from -10°C to 40°C

< 30 dB (A)

50% - 100%

up to 1000 m. above sea level.

IP20

I

IEC60686

28

485x420 (460) x220

RENOVA.25

2.5 KVA

30

SERIES EQUIPMENT

input/output on terminals on the back side

BLACK PAINT

Automatic magneto-thermal circuit breaker on the back side and led network **presence** on the front

Input insulation transformer with earthed **screen**

Input and output RFI-EMI network filters

Input and output network filtering and protection from command circuit surges

Digital instrument with input/output voltage reading switch, current, instant power, energy counter

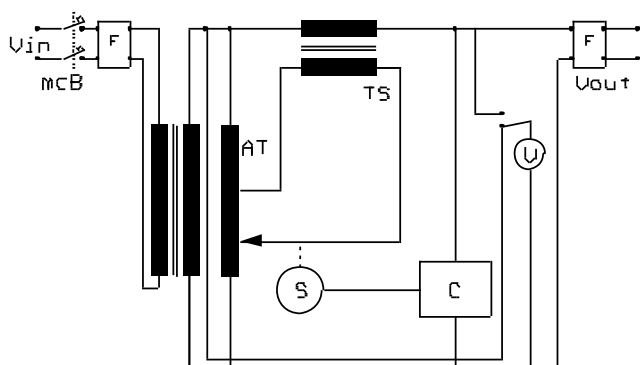
Trimmer for fine-tuning $\pm 5\%$ of stabilized output voltage

Connections: high-quality electric clamps on the back panel

2 poles 10mmq. 2 poles 10mmq. Output, 2 yellow/green ground clamps

IP55 terminal anti-tank cover with IP55 press-passacavi

Instructions manual in Italian/English



Legend:

Vin: Input voltage

mCB: automatic switch

TI: Isolation Transformer

AT: Variable autotransformer

TS: Series Transformer

S: Servomotor

C: Control Circuit board

F: EMI-RFI Filter

V: Digital instrument

Vout: Output voltage

Dimensions and weight may be subject to a change without notice

K-FACTOR SRL unipersonale - Via Giotto 9 - 42014 Castellarano (RE) - Italy - VAT# IT 02422010369

R.E.A. of Reggio Emilia: n. 286968 - Company registration number of RE: 02422010369

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The NETWORK CONDITIONERS Renova

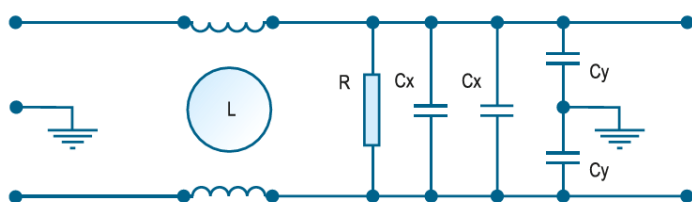
Integrate

DOUBLE input/output NETWORK FILTER



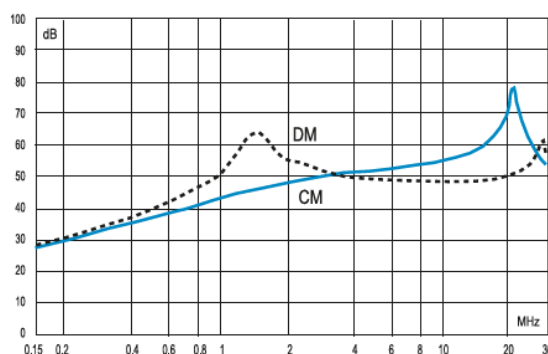
The filters in this series ensure a high attenuation of symmetrical and asymmetrical radio interfaces, while also enabling effective protection for the equipment of both radio-references from the line and for the input of network disturbances, in accordance with VDE rules.

new network filters



network filter scheme

MSC10



graph culling network noises

Specifications:

Construction: Metal case, internal components sealed with Vo self-extruding resin

Terminals: Faston 6.3 x 0.8 mm (< 20A) flexible cables or screws from M5, ground terminal connected to the case

Electrical Features:

Rated Voltage (Vr): Max 250Vac at 50/60Hz

Climate category: 25/085/21 (IEC 60068)

Leakage Current (IL): < 0.5mA

Test voltage (2s): line and mass 2250 Vdc or 1500 Vac - line and line 5700 Vdc

Reference rules: EN60939 – UL1283 – C22.2 No.8

Model	Filter Code	IR (A)	L1 (mH)	L2 (mH)	Cx2	Cy (nF)	Cy2 (nF)	R-Mohm	Weight
RENOVA.15	MSC10/250	10	2.4	2.4	2X4.7	3.3	3.3	1.5	0.19
RENOVA.25	MSC20/250	20	0.4	0.4	0,1	3.3	3.3	1.5	0.14

OPTIONAL ON DEMAND:

1. CABLE WITH SCHUKO PLUG INPUT AND SCHUKO OUTLET MOUNTED ON THE BACK PANEL
2. CABLE WITH SCHUKO PLUG INPUT AND output with UNIVERSAL multiple socket (SCHUKO-ITALY-USA) with 1m. cable
3. DIGITAL A-METER ON front PANEL mm. 72x72, DIGITAL, 3 red led (with this option also replaces the standard voltmeter with a tool identical to the amperometer)
4. OUT OF RANGE input signal (2 LED on front panel indicate when the incoming voltage exceeds the minimum or maximum limit of the allowed range)
5. AUTOMATIC BY-PASS: Automatically activates in the event of a processor failure, powering the load directly from the network. It remains active until the system is turned off and on again. If the cause of the failure is still present, the system automatically returns to by-pass. A light signal indicates the operation of the by-pass, and then signals the failure.
6. BY-PASS MANUAL: Activates via a three-position switch on the back panel, which allows you to provide a stabilized output, no output, network voltage. It always stays active based on the chosen location, it is a mechanical by-pass. It allows any maintenance without disconnecting the load, but does not automatically start in the event of a failure. It is an alternative to automatic by-pass.



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