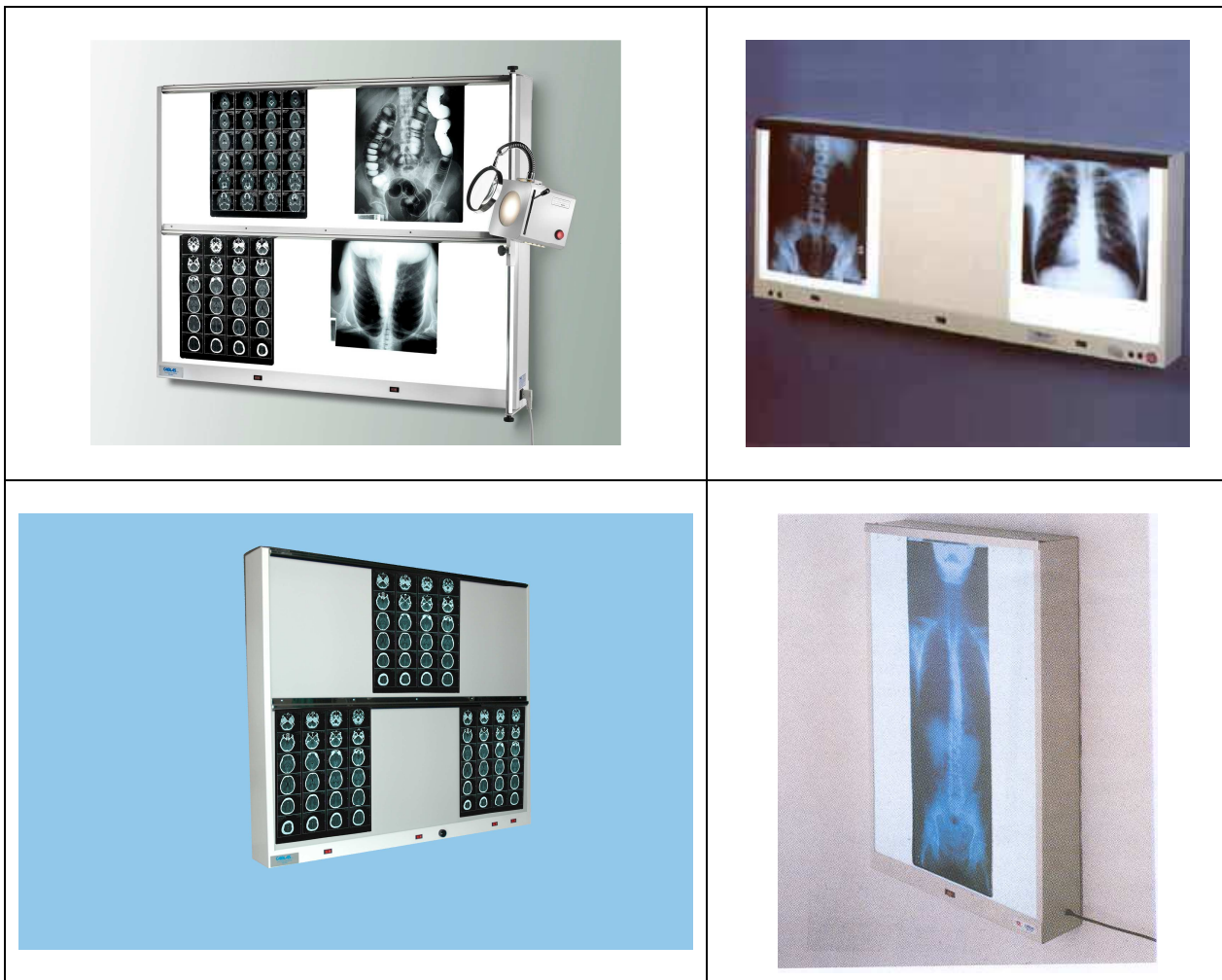


CABLAS s.r.l.

Via Michelangelo Buonarroti, 52/B - 20093 Cologno M.se (Mi)

X-RAY FILM VIEWERS HIGH FREQUENCY SERIES



INSTRUCTION AND INSTALLATION HANDBOOK

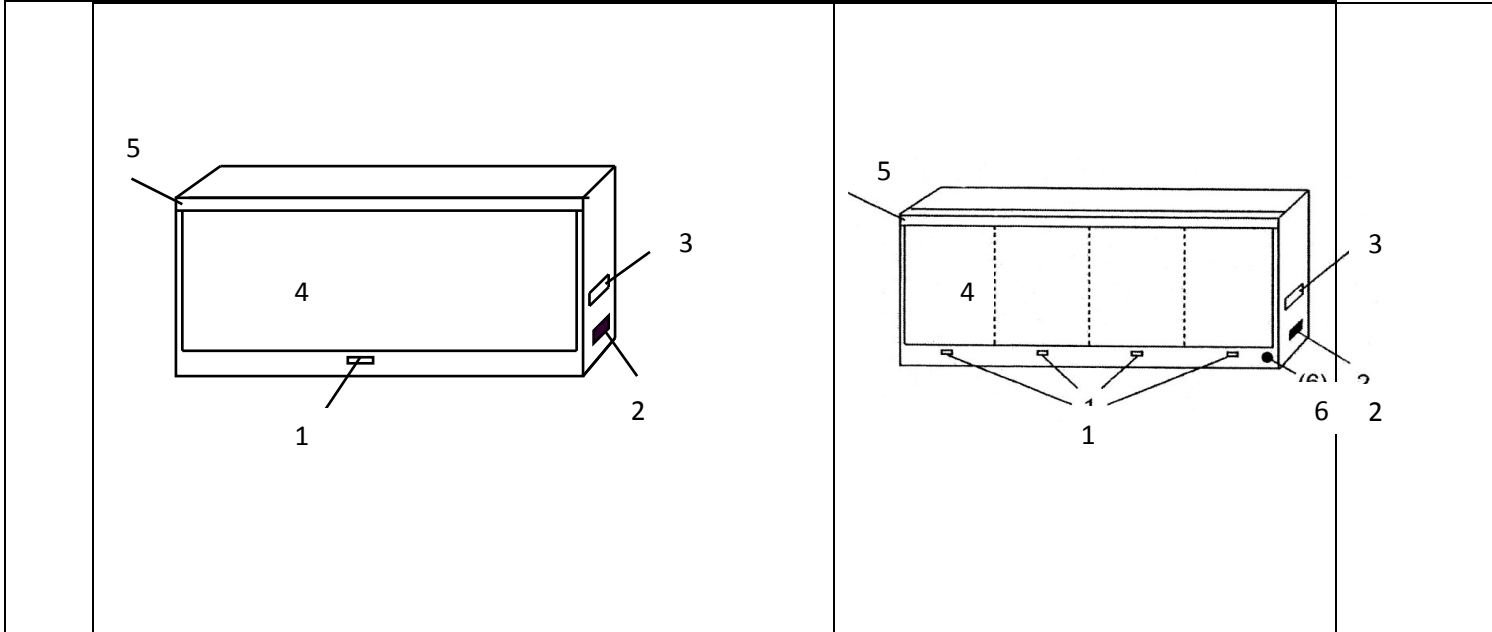
CE

REV.01/2015

1.0 INTRODUCTION

Stove enamelled steel structure. Lighting is given by fluorescent tubes with colour temperature of 6000°K; speed switching. Equipped with special electronic light regulator that allows a very good light regulation from 100% to 10%. The detailed study of their position has allowed an homogeneous lighting on all the surface of the screen. Diffuser in smelted opaline acrylic. All the electrical components conforms to the strictest Norms in force. The apparatus is equipped with pressing rolls film holding system. All the x-ray film viewers are of Class 1.

1.0a DESCRIPTION



LEGEND

- 1) General bipolar switch
- 2) Cable connection with flush fuse-holder (fuses value is shown on the data-plate)
- 3) Data-plate
- 4) Opaline diffuser
- 5) Film-holder profile

2.0 INSTALLATION

Before installation process, check that all the delivered material is complete in all parts.

2.1 Wall fixing

Wall fixing of the illuminator must be done only through expansion dowels (anti un-hooking).

To proceed with fixing you have to disassemble the upper film-holder (5) and slip off the opaline diffuser (4). Inside you will see two cables with holes. The person in charge for installation have to use these two holes to fix the illuminator on the wall, using, as already told, anti un-hooking dowels with washer, in order to block the head of the screw to the holes. After wall fixing put the diffuser and the film-holder to their position before using the x-ray film viewer.

2.2 Electrical connection

Feeding 230V - 50Hz

The illuminator is supplied with feeding cable with plug and protection fuses. The customer must predispose an electrical socket with earth nearby the apparatus, which has to be connected to a bipolar switch with fuses suitable for each phase.

3.0 OPERATION

The illuminator operation is very simple. Assure you've inserted the plug into the fed electrical socket and switch on the apparatus through the apposite general switch (1). At this point the device lights up. If not control that at the socket there is a tension of 230V AC. After this control if the result is still negative, check the fuses (2) on the right side of the apparatus. If the failure persists call the nearest CABLAS technical assistance.

4.0 MAINTENANCE

The x-ray film viewer doesn't need a special maintenance. We suggest a regular diffuser cleaning with a cloth in order to remove dust and prints that could "filter" light emission and adulterate the screen.

4.1 Replacement of the tubes

In case of internal tubes replacement, follow the below instructions:

Before approaching the apparatus, assure that the switch is in "off" position and that the plug is disconnected from electrical net. To approach into the viewer, open the apparatus as described in paragraph "2.1 Wall fixing". Possible replacement of the fluorescent tubes must be done with another one of the same model and power in order not to compromise the correct functioning of the electrical components. Also fusible replacement must be done with the apparatus not fed. Fusible value is shown on the data plate (4).


5.0 WARRANTY

Repair or replacement of faulty parts is under warranty.

Warranty does not include indirect damages and any kind of consumer material is excluded. Moreover warranty is excluded in case of inappropriate use, incorrect use and in case of inobservance of the information contained in this manual.

ATTENTION: this handbook must be kept during all the life of the illuminator and must be always at disposal of operators and maintenance staff.

Cablas srl declines every kind of responsibility on case of omission or tampering of the device.

	<p>This apparatus is countermarked by the symbol of differentiated collection related to the electrical and electronic components material dumping. It means that this product must be brought to a differentiated collection centre in accordance with the European Directive 2002/96/CEE, in order to be recycled or demolished to reduce the possible environmental impact.</p> <p>For more information in this matter we suggest you to refer to the local or regional administrations. Electronic products that are not object of a differentiated collection are potentially injurious to the environment and to the human health because of the presence of dangerous substances.</p>
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HIGH FREQUENCY SINGLE LIGHT SECTION

CODE	CND	N.REP	SIZE	OUTSI DE DIMEN SION CM	WEIGH T Kg.	N. OF TUBES	LIGHT SECTIO N	W	A	FUS.	Cd/ mq
M-NF-010	Z110702	55631	40x43*	45x52x 11	6,8	4-15W	1-40x43	72	0,4	1	2200
M-NF-100	Z110702	1001909	70X43*	78x52x 11	12.0	4-15W	1-70X43	95	0.5	1	2600
M-NF-110	Z110702	55731	90x43*	95x52x 11	12,8	4-30W	1-90x43	118	0,6	1	2700
M-NF-120	Z110702	55734	120X43*	125x52 x11	16,5	4-36W	1-120x43	142	0,7	1	2800
M-NF-150	Z110702	55743	150X43*	155x52 x11	19,5	4-58W	1-150x43	222	1	2	3000
M-NF-2000	Z110702	55748	90x86*	95x99x 11	25	8-30W	2-90x43	236	1	2	2700
M-NF-2010	Z110702	55750	120x86*	125x99 x11	30	8-36W	2-120x43	284	1,3	2	2800
M-NF-2020	Z110702	55753	150x86*	155x99 x11	39	8-58W	2-150x43	444	2	3	3000

- * HORIZONTAL SECTIONS MODEL
° OVERLAPPED HORIZONTAL SECTIONS MODEL

HIGH FREQUENCY INDIPENDENT LIGHT SECTIONS

M-NF-02	Z110702	55897	72x43*	75x52x 11	12,5	8-15W	2-36x43	144	0,7	1	4000
M-NF-03	Z110702	55900	108x43*	112x52x 11	17,5	12-15W	3-36x43	216	1	2	4000

HIGH FREQUENCY MODEL COMBINED WITH TWO OVERLAPPED LIGHT SECTIONS

M-NF-20	Z110702	55905	108x86 *	113x102 x11	48	24-15W	3 - 36x43 1 - 108X43	432	2	3.15	4000
M-NF-21	Z110702	55909	144x86 *	148x102 x11	64	32-15W	4 - 36x43 1 - 144X43	576	2,6	3.15	4000

HIGH FREQUENCY VERTICAL MODEL

M-NF-300	Z110702	53996	30x90*	35x98 x11	11,5	2-30W	1-30x90	59	0,3	1	3500
M-NF-600	Z110702	54008	60x90*	65x98 x11	13,5	4-30W	1-60x90	118	0,6	1	3800
M-NF-1200	Z110702	54010	60x120 *	65x128x 11	16,5	4-36W	1- 60x120	142	0,7	1	3800

CE CONFORMITY DECLARATION

The undersigned "CABLAS S.r.l."
office at Via Michelangelo Buonarroti 52/B
20093 Cologno Monzese (MI) - ITALY

DECLARES
Under own responsibility that the product

X-RAY FILM VIEWER HIGH FREQUENCY SERIES

Codes

M-NF-010	M-NF-100	M-NF-110	M-NF-120	M-NF-150
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M-NF-2000	M-NF-2010	M-NF-2020
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M-NF-02	M-NF-03
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M-NF-20	M-NF-21
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M-NF-300	M-NF-600	M-NF-1200
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Which this declaration refers, conforms to
Directive 93/42/CEE – Medical Devices - Class 1

Moreover meets the Directive 73/23 CEE (Low tension)
89/336 CEE (Electromagnetic compatibility).

The construction conforms to Norms
EN 60601 -1,2 - Din 6856 -1,2

Cologno Monzese, year 2013

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