

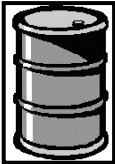






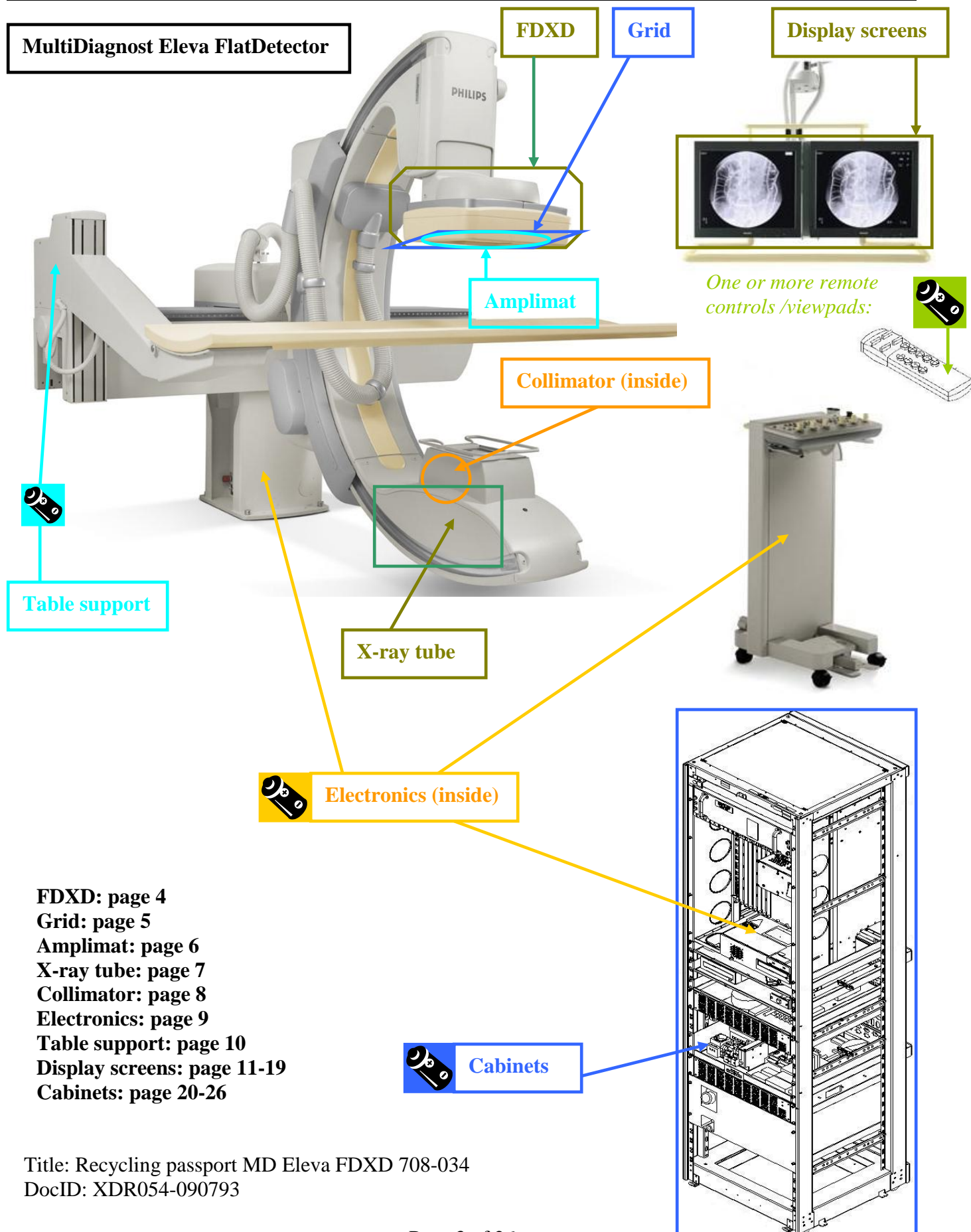
Product name:	MD Eleva FDXD (MultiDiagnost Eleva FlatDetector)	
Identification code	708-034	
Total weight (in Kg)	2395 kg (approximately; dependent on specific configuration)	
Producer/ Manufacturer	Name company:	Philips Medical Systems
	Address:	Veenpluis 6
	Zip code:	5684 PC Best
	Country:	Netherlands
	Electronic info:	http://www.healthcare.philips.com/us/about/sustainability/recycling/

Recycle Info	Items:	Location
Special attention 	<ul style="list-style-type: none"> Be aware of possibly contaminated system parts and materials! (biological hazard) For dismantling activities Treatment Facilities must consider the national requirements. For personnel that can come into contact with contaminated material, preventive measures pursuant to national requirements must be taken into account 	System parts that were in the patient environment, and that were not disinfected
	<ul style="list-style-type: none"> Removal of units / weights can cause the system(parts) to tilt! 	
	<ul style="list-style-type: none"> Removal of units / weights can cause unexpected movements of guidances! 	
	<ul style="list-style-type: none"> Release of brakes can cause unexpected movements of guidances! Brakes cannot prevent unexpected movements due to the removal of units /weights! 	
	<ul style="list-style-type: none"> High-voltage parts (e.g. capacitors) are marked with  	
	<ul style="list-style-type: none"> Vacuum glass tube can implode! 	X-ray tube (page 7)
	<ul style="list-style-type: none"> Refrigeration Gases must be evacuated/recovered 	Cabinets (page 20-26)
Fluids / Gases	Items:	Location
	<ul style="list-style-type: none"> Glycoshell SF50 	Cabinets (page 20-26)
	<ul style="list-style-type: none"> Refrigeration Gas (R-134a) and Oil (Polyolester) 	Cabinets (page 20-26)
	<ul style="list-style-type: none"> Transformer oil, type: Shell Diala 	Cabinets (page 20-26)
	<ul style="list-style-type: none"> Glycoshell SF, 71ml (pink fluid) 	FDXD (page 4)
	<ul style="list-style-type: none"> Oil 	X-ray tube (page 7)
Batteries	Type:	Location
 To be Removed	Battery, 4x alkaline 1,5V [44 grams] (per “remote control/viewpad”)	 (page 3)
	Battery, 3x NiMh 1,5V [135 grams]	 (page 3, 10)
	CR2032 3.0V Lithium coin cell of 3.2 gram (“Dell PC”)	Electronics (page 9)
	1x CR2032 3.0V Lithium coin cell	Cabinets (page 20-26)
	1x CR2032 3.0V Lithium coin cell	Cabinets (page 20-26)
	1x 3.5V Lithium battery	Cabinets (page 20-26)

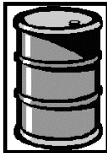

Title: Recycling passport MD Eleva FDXD 708-034
DocID: XDR054-090793

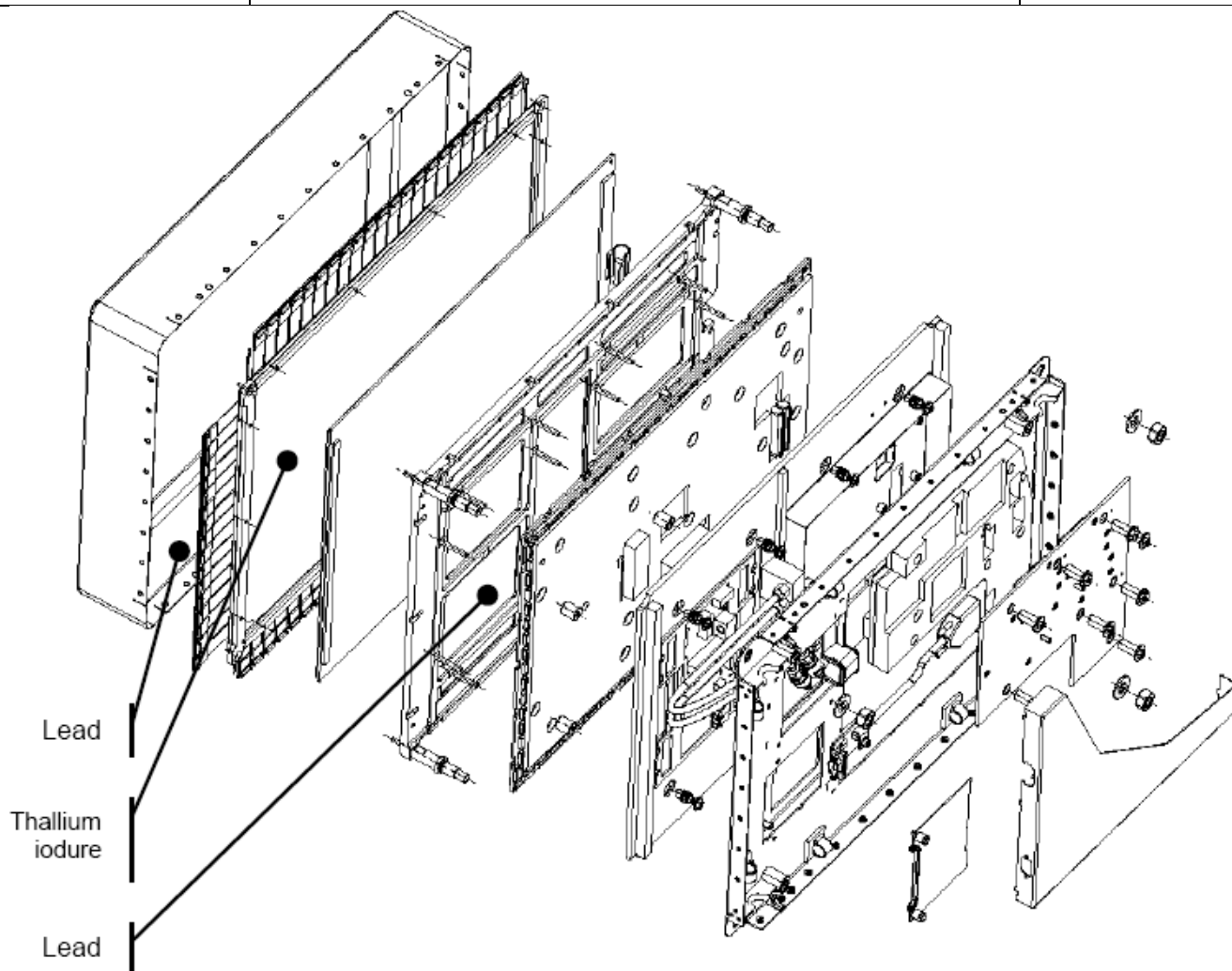
	Lithium chrome cell, 3V (2x)	Cabinets (page 20-26)
Hazardous  To be Removed	Substances:	Location
	Lead (Pb) for X-ray shielding	FDXD (page 4) Grid (page 5) X-ray tube (page 7) Collimator (page 8)
	Lead (Pb) for soldering	Electronics (page 9) Display screens (page 11-19) Cabinets (page 20-26)
	Thallium	FDXD (page 4)
	Beryllium Copper (BeCu)	Electronics (page 9)
	Beryllium Copper (BeCu) contact springs	Cabinets (page 20-26)
	Cadmium (Cd)	Cabinets (page 20-26)
	Mercury (Hg) in LCD screens	LCD screens (page 11-19)

Note: to facilitate recycling, all plastic parts weighing > 50 grams are marked according to ISO11469 & ISO1043.



FDXD (Pixium 4700):


Recycle Info	Items:	Location
Fluids / Gases 	Glycoshell SF, 71ml (pink fluid)	In plumbing (cooling plate and tubes)
Hazardous  To be Removed	Substances: Lead (Pb), 5880 grams Thallium, 1,8 grams, used in the Scintillator that converts Xrays into light.	See next figure See next figure

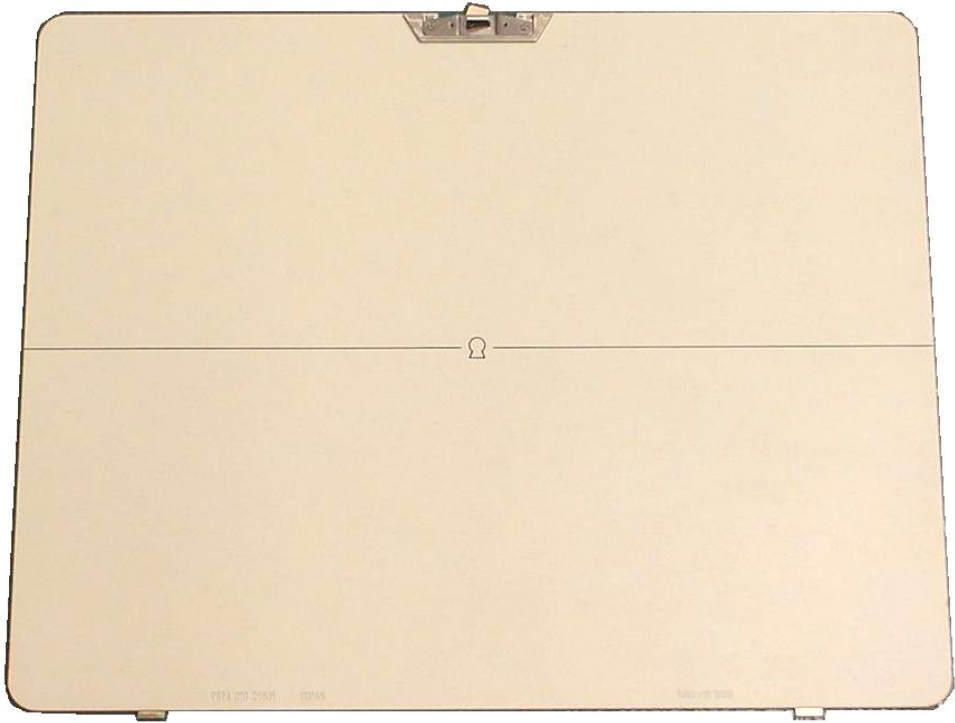


The second plate to the right of the most right lead plate, is the cooling plate. This contains 71 ml Glycoshell SF.

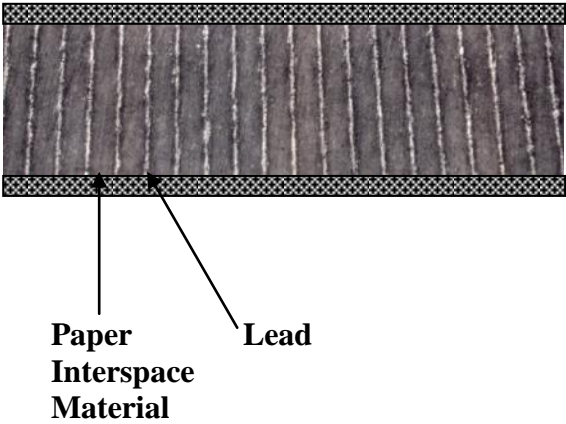
Title: Recycling passport MD Eleva FDXD 708-034
DocID: XDR054-090793

Grid:


Hazardous  To be Removed	Substances:	Location
	Lead (Pb 99,5%)	Enclosed between cover plates

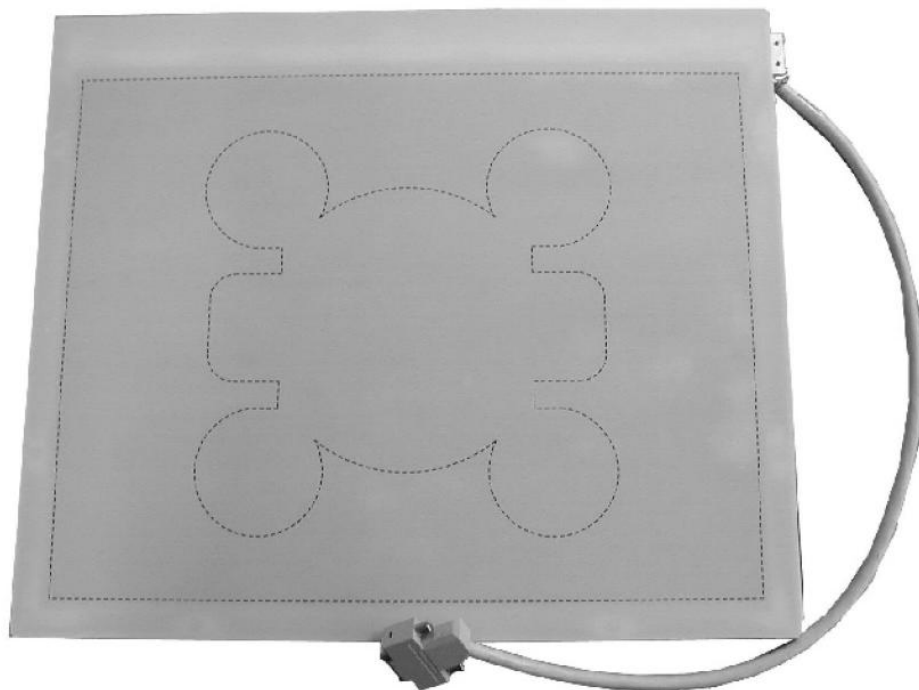


Cross-section of grid:






Amplimat:

Hazardous  To be Removed	Substances:	Location
	Lead (Pb) is present in the soldering process of PCBs	



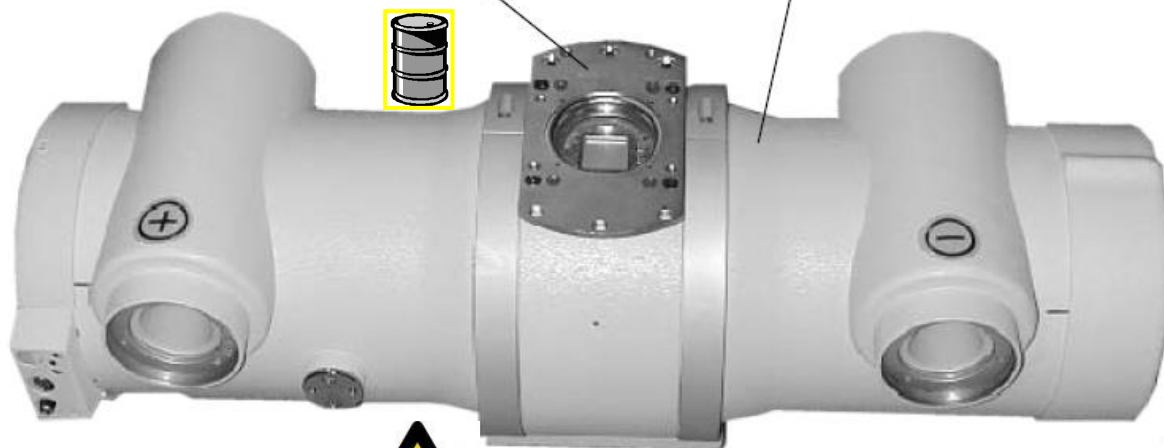
steel, iron	iron, high alloy (>5%)	0,42KG
steel, iron		0,42KG
nonferrous metals and alloys	aluminum, -alloy	0,174KG
nonferrous metals and alloys		0,174KG
plastics / organic substances	thermoplastic	1,47KG
plastics / organic substances		1,47KG
standard parts	cables	0,09KG
	printed circuit boards	0,058KG
	mounting parts, attaching part	0,017KG
standard parts		0,165KG
		2,229KG

X-ray tube:

Recycle Info	Items:	Location
Special attention 	Vacuum glass tube can implode!	X-ray tube
Fluids / Gases	Items:	Location
	Oil: 4,2 kg HV-transformer oil contains no PCBs	
Hazardous	Substances:	Location
 To be Removed	Lead as x-ray shielding inside housing: 5,5 kg	Figure below
	Beryllium as x-ray window in vacuum envelope: 1 g	Figure below

Beryllium as x-ray window
in vacuum envelope


Lead as x-ray shielding
inside housing

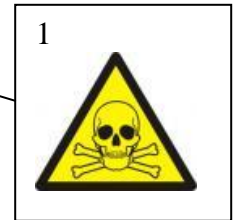
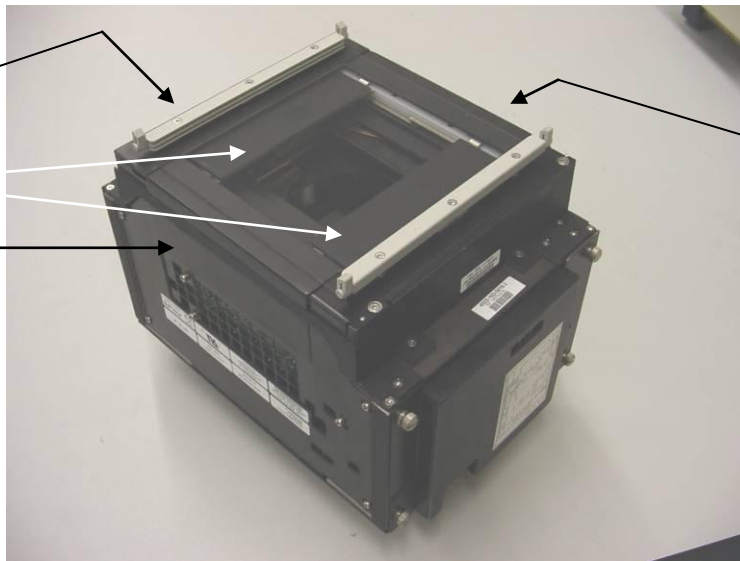
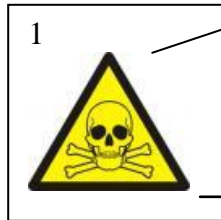


Vacuum glass tube can implode!

steel, iron	iron, low alloy (<5%)	3,1KG
	iron, high alloy (>5%)	0,7KG
steel, iron		3,8KG
nonferrous metals and alloys	aluminium and -alloys	6,8KG
	copper and -alloys	2,7KG
	molybdenum and -alloys	0,9KG
nonferrous metals and alloys		10,4KG
glass / ceramics	ferrite	0,3KG
	glass	0,1KG
glass / ceramics		0,4KG
plastics / organic substances	oil	4,2KG
	thermoset	2KG
	elastomer	0,1KG
plastics / organic substances		6,3KG
relevant materials	lead and -alloys	5,5KG
	tungsten and -alloys	0,1KG
	beryllium and -alloys	0,001KG
relevant materials		5,601KG

Collimator:

Hazardous  To be Removed	Substances:	Location
	Lead (Pb 99,5%); 3.7 – 4.1 kg; glued to several parts in the collimator	1; see next picture



Electronics:





Batteries  To be Removed	Type:	Location
	CR2032 3.0V Lithium coin cell of 3.2 gram (“Dell PersonalComputer” [Philips-indication: Viewforum hardware])	Inside Dell PC
Hazardous  To be Removed	Substances:	Location
	BerylliumCopper (BeCu)	Contact springs between hardware-racks; see also cabinets (page 30-36)
	Lead (Pb) is present in the soldering of some PCBs	PCBs (PrintedCircuitBoards)

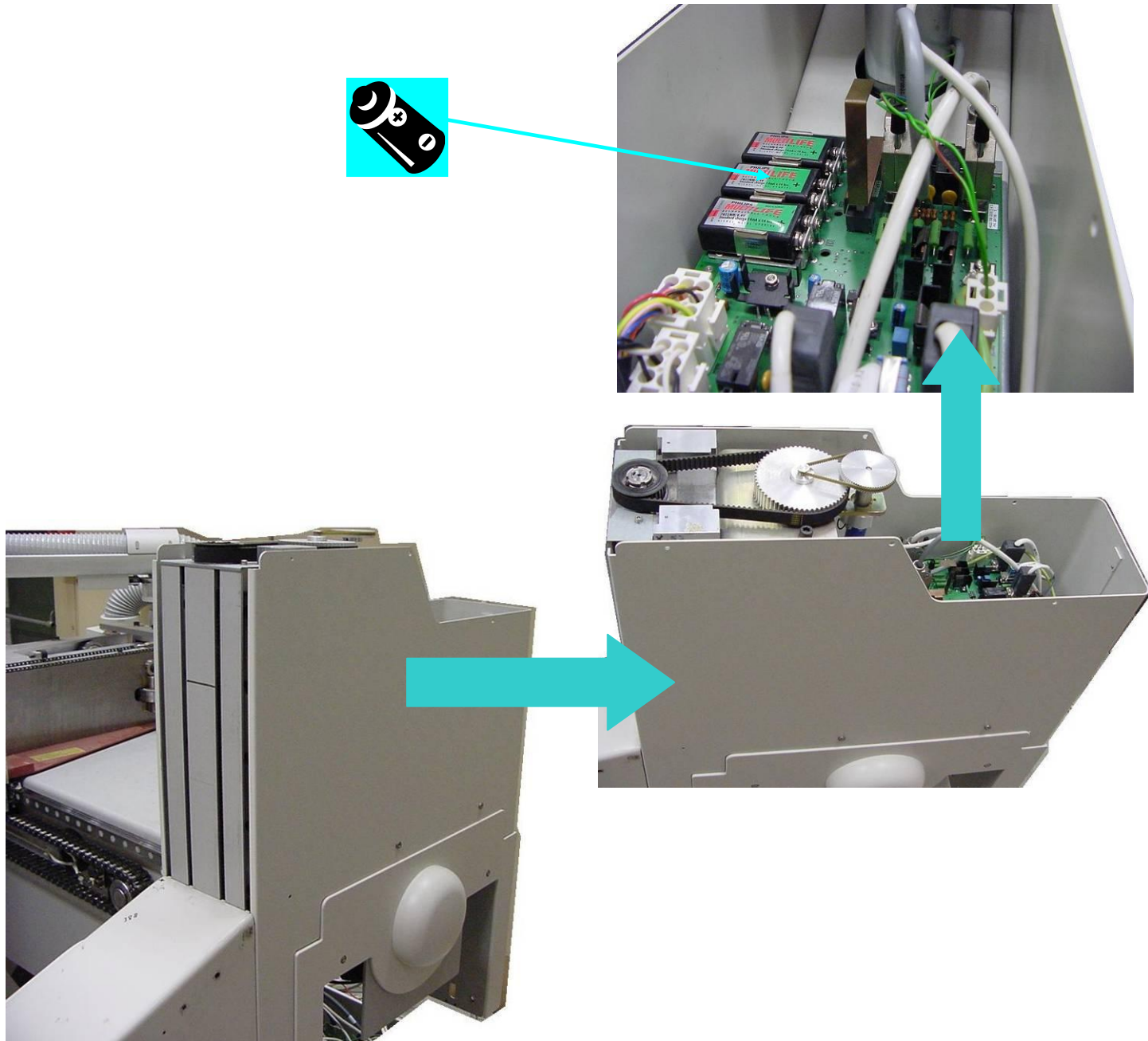
Table support:

Batteries	Type:	Location
	Battery, 3x NiMh 8,4V [141 grams]	Picture below:



To be Removed






Title: Recycling passport MD Eleva FDXD 708-034
DocID: XDR054-090793

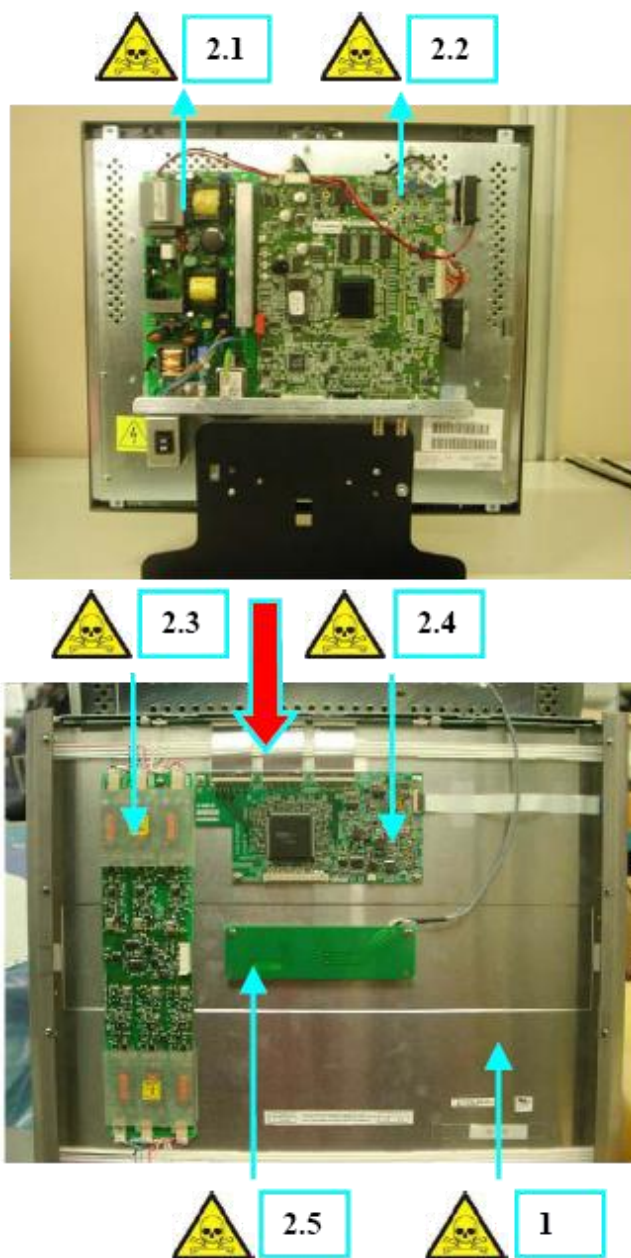
Display screens:

FOLLOWING PAGES PROVIDE INFORMATION ON VARIOUS SCREENS POSSIBLY PRESENT IN THE SYSTEM.

LCD screen FIMI MML1801-IP1P / 9919-320-5067x | PAGE 1 of 2


Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	

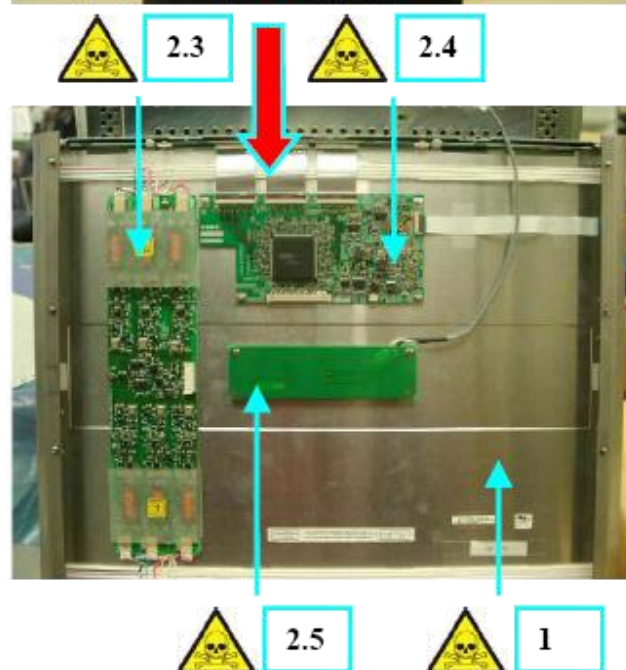
LCD screen FIMI MML1801-IP1P / 9919-320-5067x | PAGE 2 of 2



		Material
Fe	6 kg	-
Al	0	-
Cu	0.11 kg	Cables
Plastics	1.5 kg	-
Boards (S ² > 10cm ²)	96 cm ² / 260 g	S.M.P.S. (item 2.1 in the picture)
	320 cm ² / 230 g	Logic Board (item 2.2 in the picture)
	144 cm ² / 67 g	Inverter (item 2.3 in the picture)
	100 cm ² / 50 g	LCD Driver (item 2.4 in the picture)
	46 cm ² / 40 g	PCB Light Sensor (item 2.5 in the picture)
LCD	3.97 kg	18"

LCD screen FIMI MML1802-IP10 / 9919-320-5069x


Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	

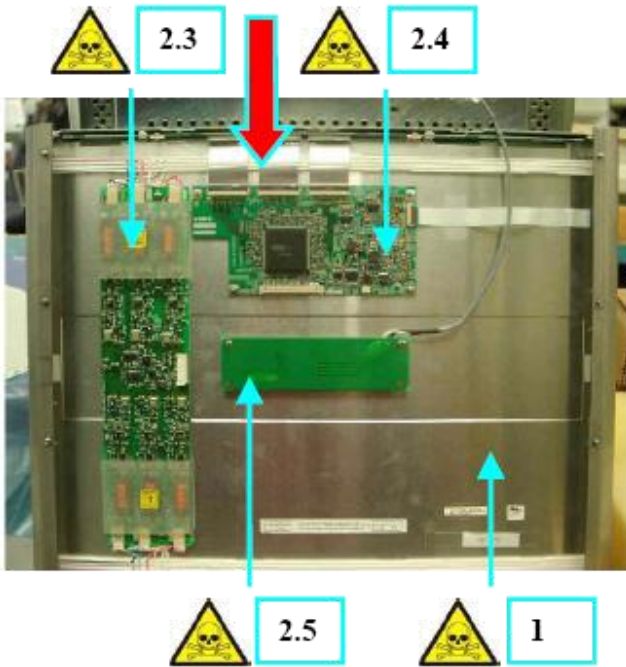
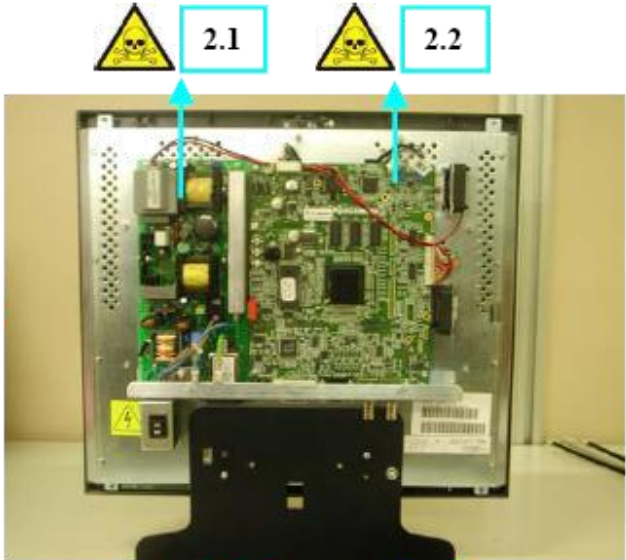


Material		
Fe	2.3 kg	-
Al	0	-
Cu	0.1 kg	Cables
Plastics	1 kg	-
Boards (S ¹ > 10cm ²)	96 cm ² / 260 g 320 cm ² / 230 g 144 cm ² / 67 g 100 cm ² / 50 g 46 cm ² / 40 g	S.M.P.S. (item 2.1 in the picture) Logic Board (item 2.2 in the picture) Inverter (item 2.3 in the picture) LCD Driver (item 2.4 in the picture) PCB Light Sensor (item 2.5 in the picture)
LCD	3.9 kg	18"

Title: Recycling passport MD Eleva FDXD 708-034
DocID: XDR054-090793


LCD screen FIMI MCL1802-IP10 / 9919-320-5072x

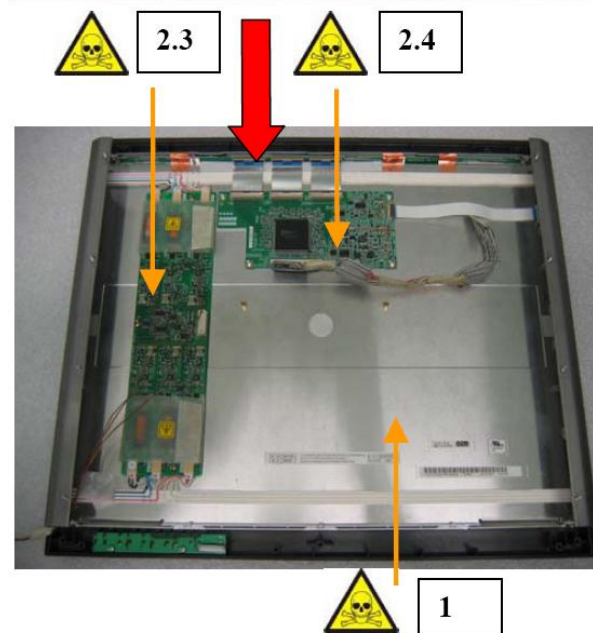
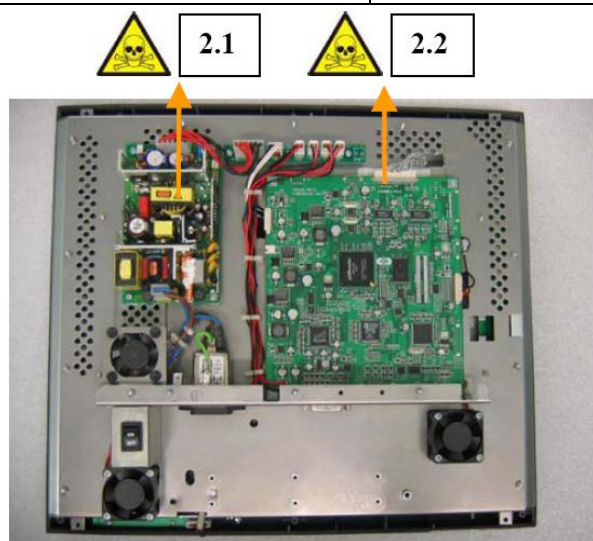
<div>Hazardous</div> <div></div> <div>To be Removed</div>	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	



Material		
Fe	2.3 kg	-
Al	0	-
Cu	0.1 kg	Cables
Plastics	1 kg	-
Boards (S ² > 10cm ²)	96 cm ² / 260 g	S.M.P.S. (item 2.1 in the picture)
	320 cm ² / 230 g	Logic Board (item 2.2 in the picture)
	144 cm ² / 67 g	Inverter (item 2.3 in the picture)
	100 cm ² / 50 g	LCD Driver (item 2.4 in the picture)
	46 cm ² / 40 g	PCB Light Sensor (item 2.5 in the picture)
LCD	3.9 kg	18"

LCD screen PHILIPS FIMI MCL180L / 9919-320-5089x


Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps: 3.5 mg x 6 lamps)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	

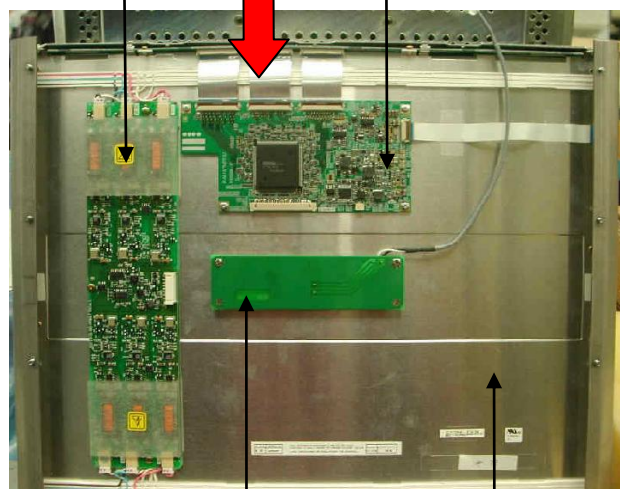
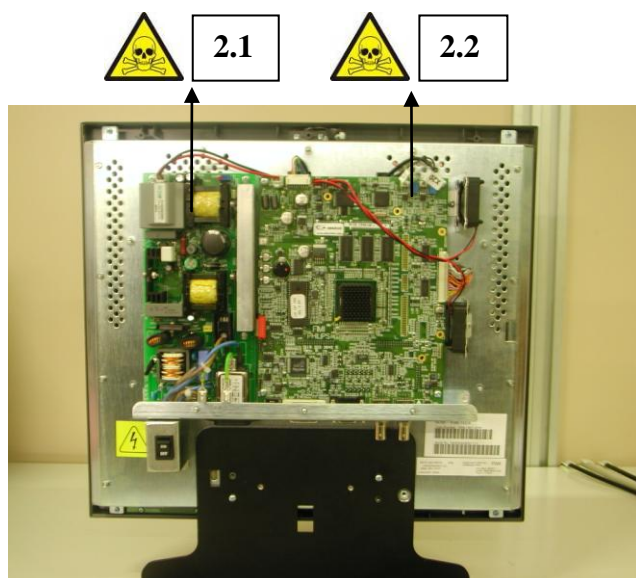


		Material
Fe	6.0 kg	(3.4 kg in the pedestal)
Al	0	
Cu	0.1 kg	Cables
Plastics	1.5 kg	(0.4 kg in the pedestal)
Boards (S ² > 10cm ²)	96 cm ² / 260 g	S.M.P.S. (item 2.1 in the picture)
	320 cm ² / 230 g	Logic Board (item 2.2 in the picture)
	144 cm ² / 66 g	Inverter (item 2.3 in the picture)
	72 cm ² / 54 g	LCD Driver (item 2.4 in the picture)
LCD	3 kg	18"

Title: Recycling passport MD Eleva FDXD 708-034
DocID: XDR054-090793

LCD screen FIMI MML1801-GX / 9919-320-5122x


Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	

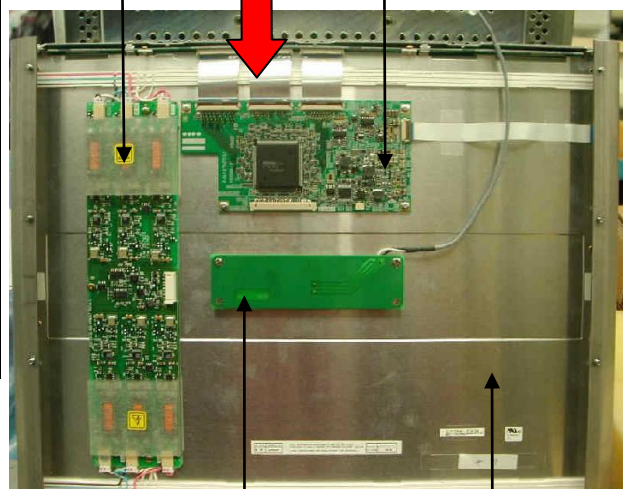
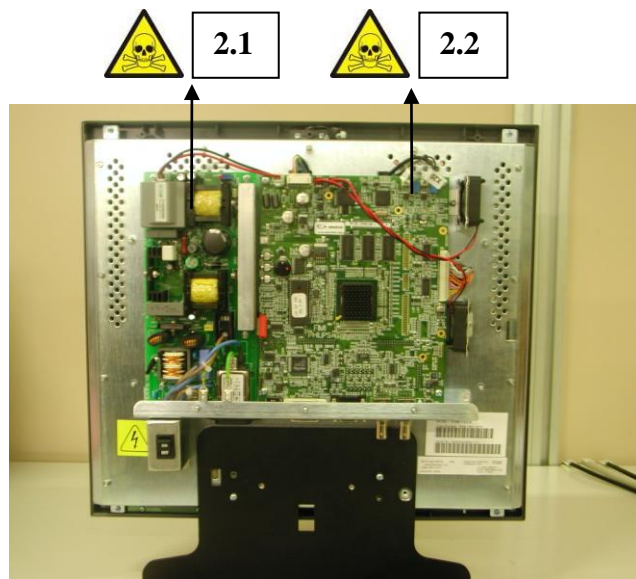


Material		
Fe	6 kg	-
Al	0	-
Cu	0.11 kg	Cables
Plastics	1.5 kg	-
Boards (S ² > 10cm ²)	96 cm ² / 260 g 320 cm ² / 230 g 144 cm ² / 67 g 100 cm ² / 50 g 46 cm ² / 40 g	S.M.P.S. (item 2.1 in the figure) Logic Board (item 2.2 in the figure) Inverter (item 2.3 in the figure) LCD Driver (item 2.4 in the figure) PCB Light Sensor (item 2.5 in the figure)
LCD	3.97 kg	18"

Title: Recycling passport MD Eleva FDXD 708-034
DocID: XDR054-090793

LCD screen FIMI MML1802-GXR / 9919-320-5123x


Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	

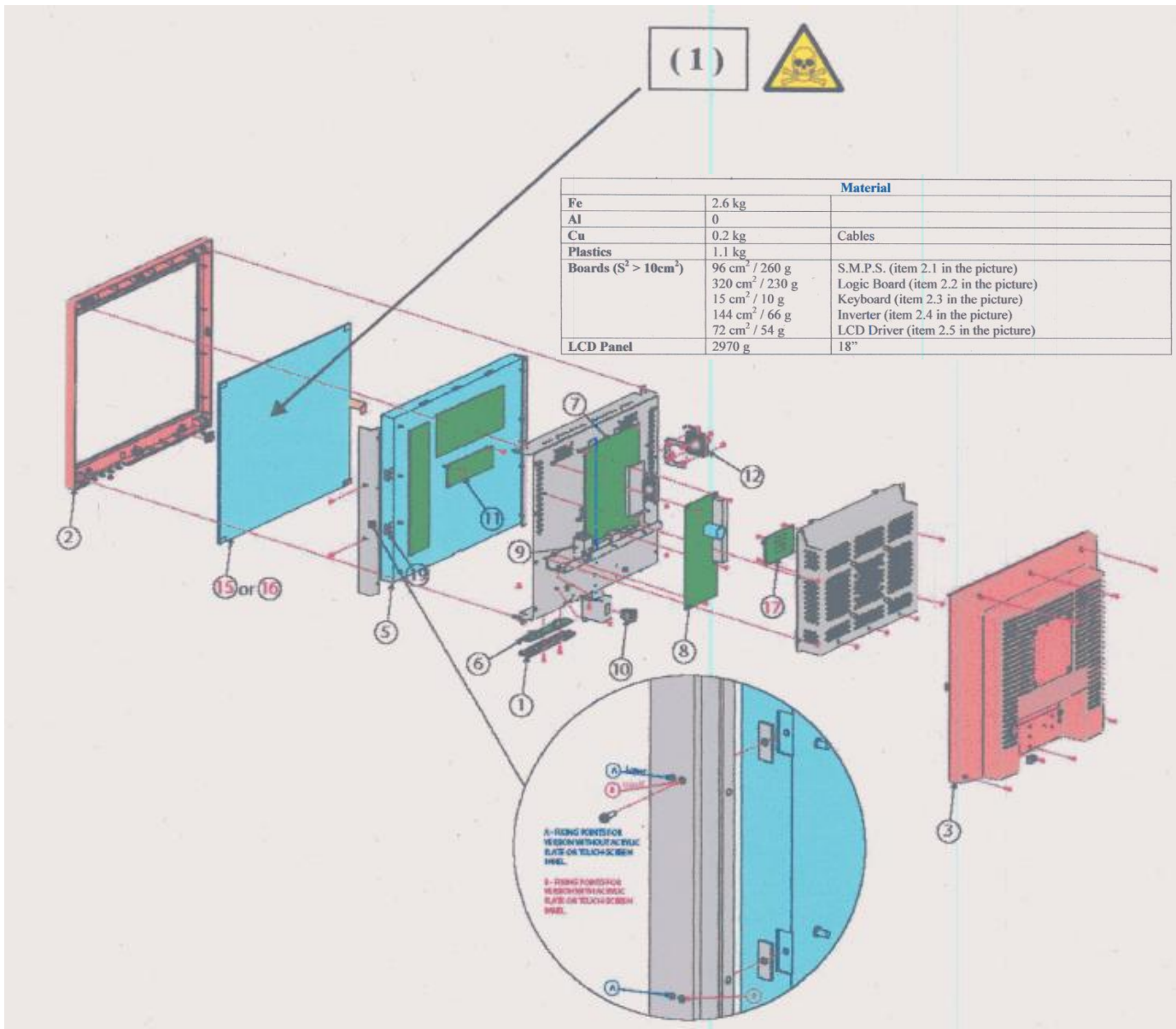


Material		
Fe	2.3 kg	-
Al	0	-
Cu	0.1 kg	Cables
Plastics	1 kg	-
Boards (S² > 10cm²)	96 cm ² / 260 g 320 cm ² / 230 g 144 cm ² / 67 g 100 cm ² / 50 g 46 cm ² / 40 g	S.M.P.S. (item 2.1 in the figure) Logic Board (item 2.2 in the figure) Inverter (item 2.3 in the figure) LCD Driver (item 2.4 in the figure) PCB Light Sensor (item 2.5 in the figure)
LCD	3.9 kg	18"

Title: Recycling passport MD Eleva FDXD 708-034
DocID: XDR054-090793

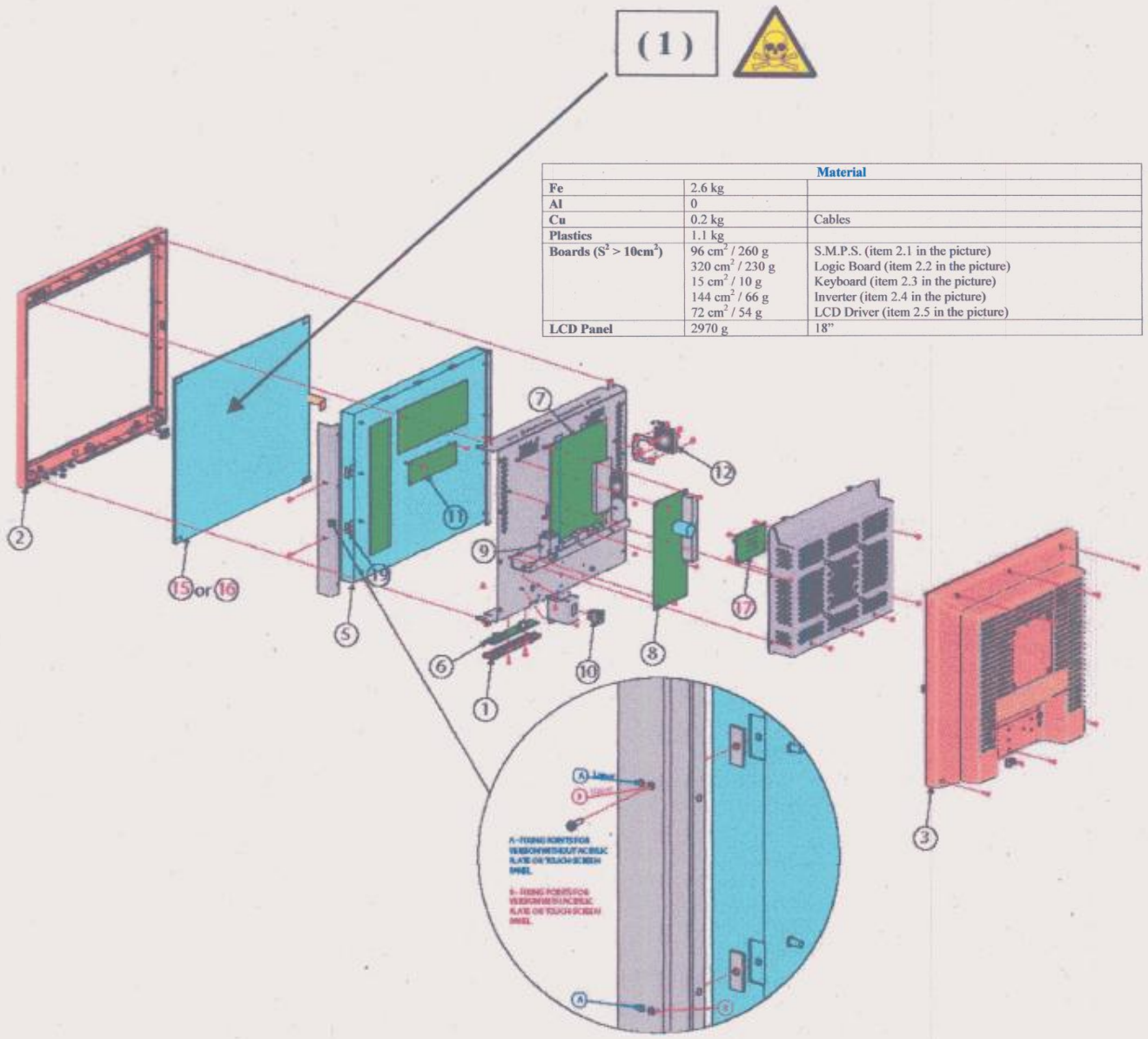
LCD screen PHILIPS FIMI MML1822-GXR / 9919-320-5136x

Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps: 3.5 mg x 6 lamps)	
	Pb	0	
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	





		Material
Fe	2.6 kg	
Al	0	
Cu	0.2 kg	Cables
Plastics	1.1 kg	
Boards ($S^2 > 10\text{cm}^2$)	96 cm^2 / 260 g 320 cm^2 / 230 g 15 cm^2 / 10 g 144 cm^2 / 66 g 72 cm^2 / 54 g	S.M.P.S. (item 2.1 in the picture) Logic Board (item 2.2 in the picture) Keyboard (item 2.3 in the picture) Inverter (item 2.4 in the picture) LCD Driver (item 2.5 in the picture)
LCD Panel	2970 g	18"


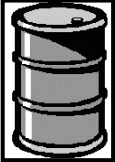





Page 19 of 26

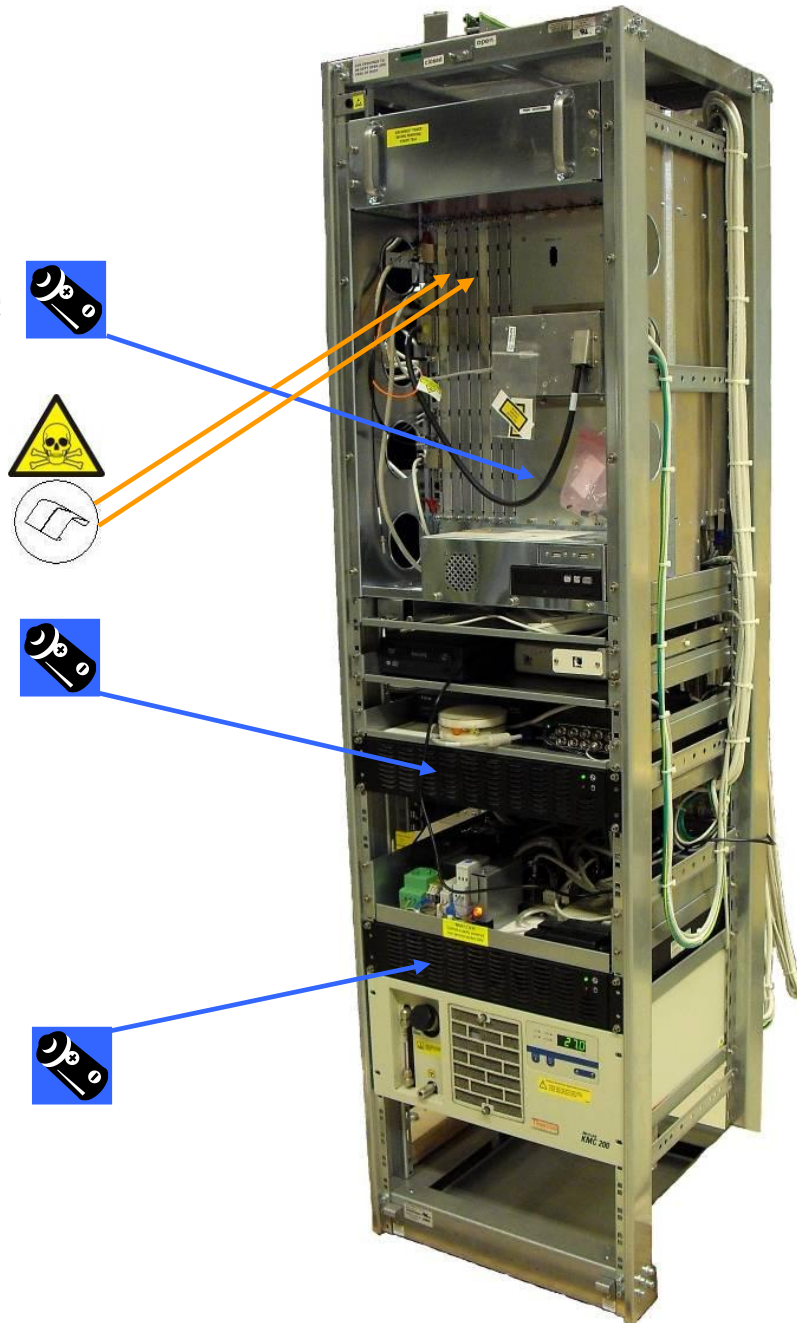
Cabinets:

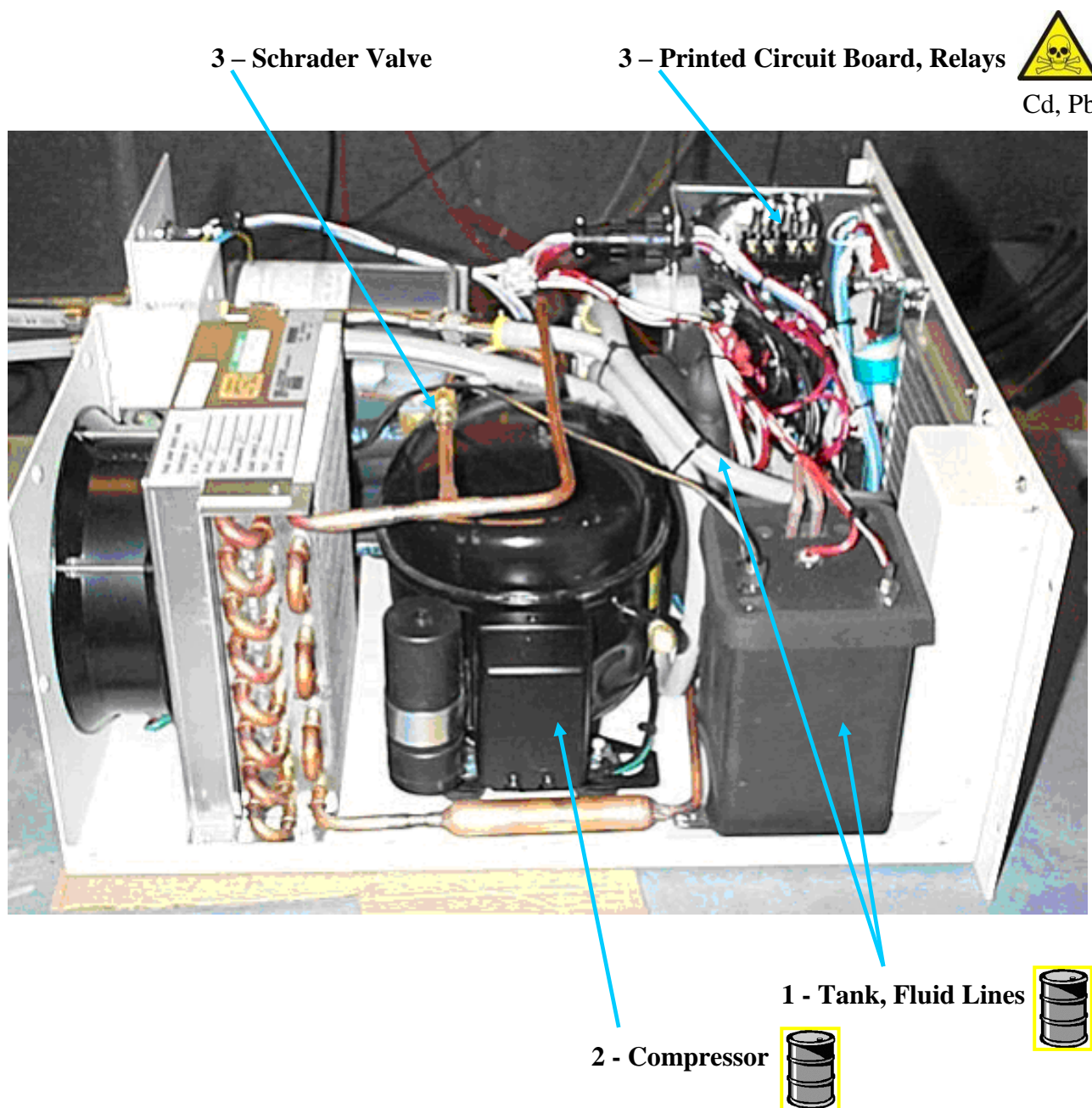
FOLLOWING PAGES PROVIDE INFORMATION ON VARIOUS CABINETS POSSIBLY PRESENT IN THE SYSTEM.

DI1 I-CABINET FD, 9896 010 3310x, 9896 010 4360x (with MD3D option)






Recycle Info	Items:	Location
Special attention 	Refrigeration Gases must be evacuated/recovered	Compressor (2); see figure page 29
Fluids / Gases	Items:	Location
	Glycoshell SF50	Tank, Fluid Lines (1); see figure page 32
	Refrigeration Gas (R-134a) and Oil (Polyolester)	Compressor and Refrigeration Lines (2); see figure page 32
Batteries	Type:	Location
	3x CR2032 3.0V Lithium coin cell battery	1, see next figure 
To be Removed		
Hazardous	Substances:	Location
	BeCu (BerylliumCopper) contact springs	2 dotted area (at FRONT- and BACKSIDE cabinet); see next figure
	Lead (Pb) is present in the soldering process of some PCBs (Note: solder used on plumbing is lead free)	PCB, Relays Schrader Valve (3); see figure page 32
	Cadmium (Cd)	Relays (3); see figure page 32
To be Removed		

Battery on PCB, slot SBC

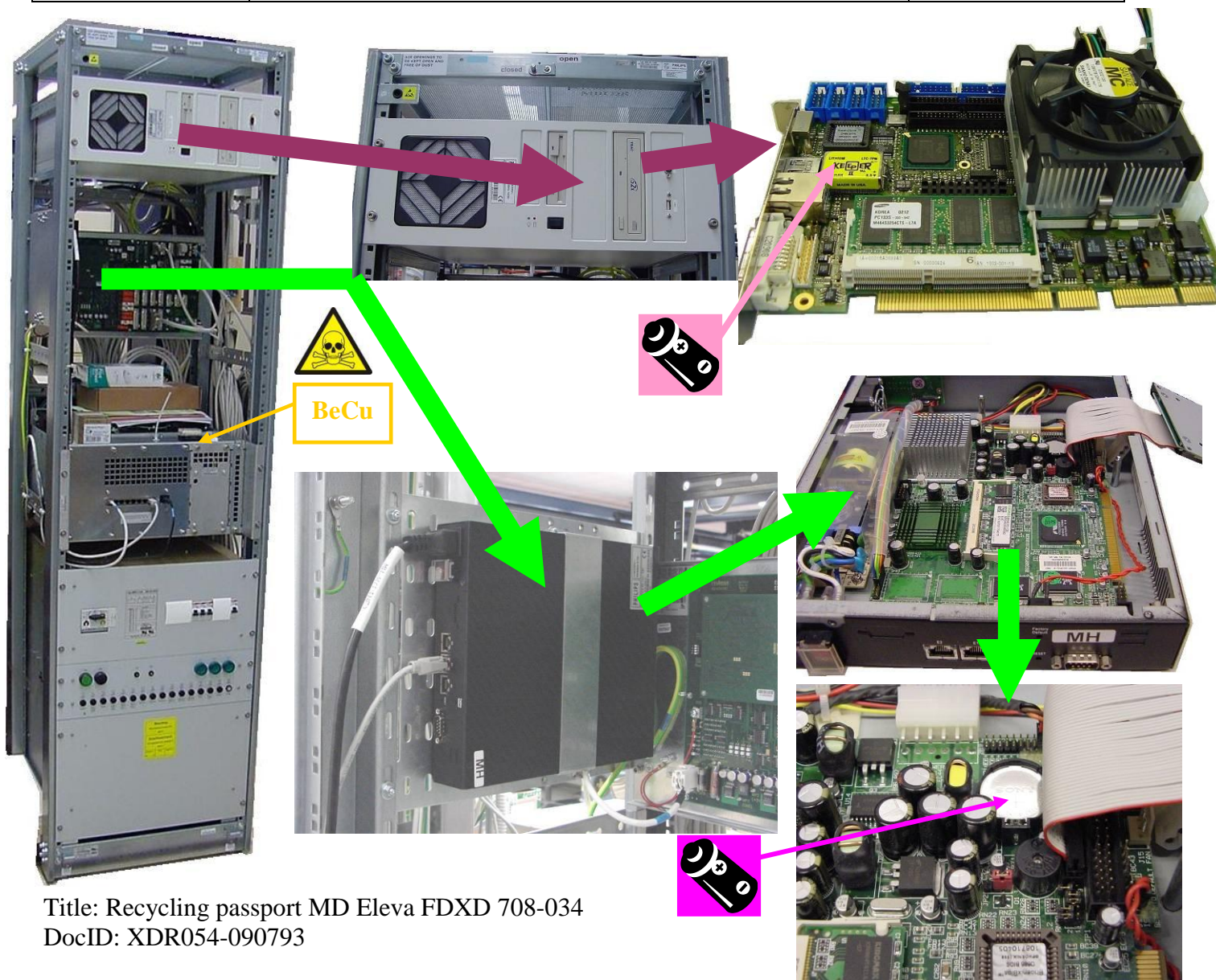




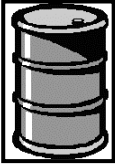


M-CABINET Eleva, 9896 001 4150x

Batteries  To be Removed	Type: 1x CR2032 3.0V Lithium coin cell	Location Next picture: 
	1x 3.5V Lithium battery	Next picture: 
Hazardous  To be Removed	Substances: BeCu (BerylliumCopper) contact springs	Location Next picture:  BeCu

Printed copies are uncontrolled

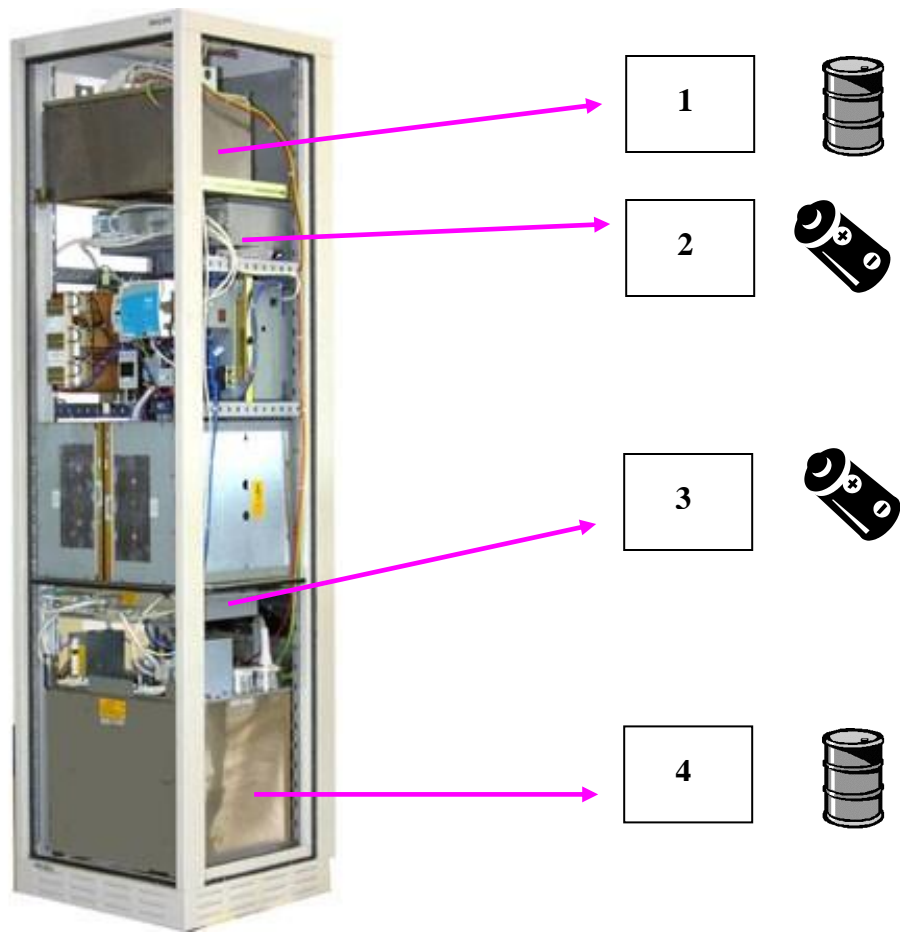


Velara 2T GFD 480V, 9890 000 6209x| Velara 2T GCF 480V, 9890 000 7030x


Recycle Info	Items:	Location
Fluids / Gases 	<ul style="list-style-type: none"> Transformer oil, type: Shell Diala (This High Voltage-transformer oil contains no PCBs) 	See next figure (1) & (4)
Batteries 	Items: Lithium chrome cell, 3V Lithium chrome cell, 3V	Location See next figure (2) See next figure (3)
Hazardous 	Substances: Pb is present in the soldering process of PCBs	See next figure

steel, iron	iron, low alloy (<5%)	136,263	KG
	iron, high alloy (>5%)	5,674	KG
steel, iron		141,937	KG
nonferrous metals and alloys	aluminum, -alloy	12,655	KG
	copper, -alloy	5,075	KG
	zinc, -alloy	1,652	KG
nonferrous metals and alloys		19,382	KG
glass / ceramics	glass	0,288	KG
glass / ceramics		0,288	KG
plastics / organic substances	oil	64,06	KG
	thermoplastic	6,524	KG
	thermoset	4,505	KG
	elastomer	0,247	KG
plastics / organic substances		75,336	KG
standard parts	other electronic powered devices	45,92	KG
	printed circuit boards	11,835	KG
	cables	9,173	KG
	power supplies / transformers	6,184	KG
	mounting parts, attaching part	2,17	KG
	fans	1,804	KG
	motors, pumps	0,52	KG
	computers and accessories	0,218	KG
standard parts		77,824	KG
TOTAL		314,767	KG

Title: Recycling passport MD Eleva FDXD 708-034
DocID: XDR054-090793



P-CABINET MD System, 9896-001-4149x

Hazardous  To be Removed	Substances:	Location
	BeCu (BerylliumCopper) contact springs	See next figure
	Pb is present in the soldering process of a PCB	See next figure

