







Vestfrost Solutions is working towards reaching the \mbox{UN} - Global Sustainable Development Goals by 2030.

The Sustainable Development Goals are the blueprint to achieve a better and more sustainable future for all.

In order to implement Goal no 12 "Responsible Consumption and Production", this manual has been printed on recycled paper.



Technical manual VLS 204A/304A/354A/404/504A AC Internal Voltage Stabilizer



WARNING

As the appliance contains flammable refrigerant, as stated on nameplate, it is essential to ensure that the refrigerant pipes are not damaged.

The quantity and type of the refrigerant used in your appliance is indicated on the rating plate.

Standard EN378 specifies that the room in which you install your appliance must have a volume of 1m³ per 8 g of hydrocarbon refrigerant used in the appliances. This is to avoid the formation of flammable gas/air mixtures in the room where the appliance is located in the event of a leak in the refrigerant circuit.

WARNING:

Keep ventilation openings in the appliance or in built-in structures must be kept clear.

WARNING:

Do not use other mechanical devices or means to accelerate the defrosting process or to remove rime other than those recommended by the manufacturer.

WARNING:

Do not damage the refrigerant system.

WARNING:

The appliance may not be exposed to rain.

WARNING:

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack experience and knowledge, unless they have been given supervision or instructions concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

WARNING:

Children must not play with, on, or around the appliance.

WARNING:

Children must not clean the appliance or carry out general maintenance unless they are at least 8 years old and are being supervised.

WARNING:

Always, keep the keys in a separate place and out of reach of children.

WARNING:

Before servicing or cleaning the appliance, switch off circuit breaker.



WARNING:

Danger risk of fire or explosion. Flammable refrigerant used, as stated on nameplate. To be repaired only by trained personnel.

WARNING:

Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

WARNING:

When positioning the appliance, ensure the power cord is not trapped or damaged.

WARNING:

Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance

WARNING:

Appliance use flammable insulation blowing gas.

For information about safe disposal, please contact your local disposal service.

See section for Disposal.



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PQS Code	Model	PQS Performance specifications Specification reference:	PQS Independent type-testing protocol Product verification protocol:
E003/109	VLS 204A AC	E003/RF03.4	E003/RF03-VP.3
E003/110	VLS 304A AC	E003/RF03.4	E003/RF03-VP.3
E003/111	VLS 354A AC	E003/RF03.4	E003/RF03-VP.3
E003/112	VLS 404A AC	E003/RF03.4	E003/RF03-VP.3
E003/113	VLS 504A AC	E003/RF03.4	E003/RF03-VP.3



Periodic preventive maintenance checks

Daily Check:

Monitor Temperature. Lid fits and lock tight to cabinet Lid gasket not faulty.

Weekly maintenance:

Remove any water at the bottom of the refrigerator with a cloth.
Wipe of water droplets on the inside wall.

Monthly maintenance:

Clean grille for compressor compartment. Clean the refrigerator with lukewarm water and mild detergent.

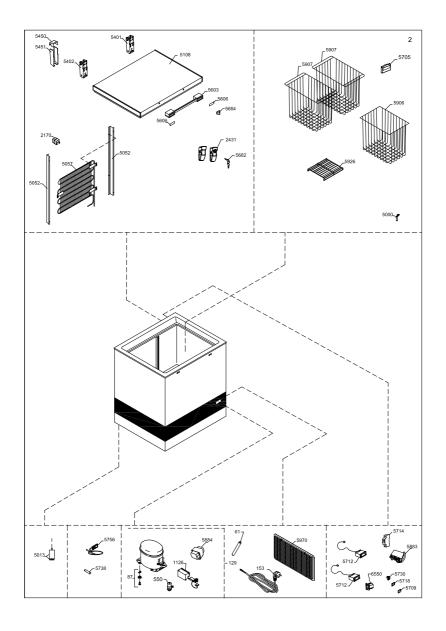
Yearly maintenance:

Check electrical connections and components.



Complete spare part list VLS204A AC

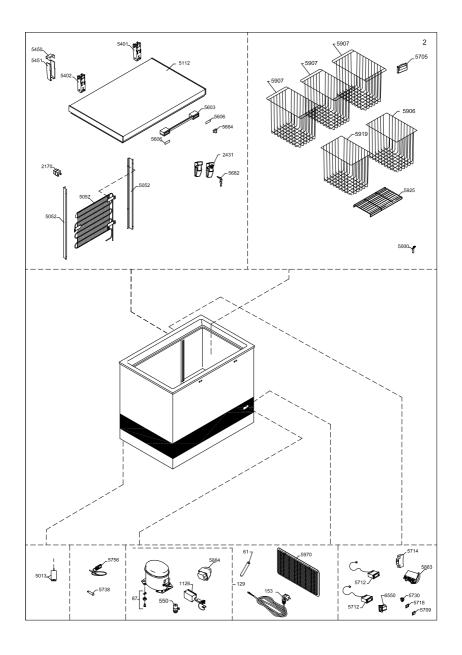
Position	Item number	Item name
0061	0-6538001	Filter drier,
0087	0-6038175	Base plate fittings, complete
0129	8-036510018	Compressor - HXK80AT , Complete,
0153	7535234	Mains lead/Power cord UK plug with angled C13 connector
0153	7535250	Power cord
0153	7535254	Power cord EU H05VV-F 3G1 C13 jack 90° black 2500mm E
0550	6520510	Run cap. 4uF/4,8 receptacles
1126	0-A921012	Cover + wirring clamp
2170	0-A9301260103	Distance piece
2431	A915010	Lock complete snap locks
5000	3010049	Drain plug
5013	3040400	Adjustable foot
5052	2041300	Fittings for condenser
5057	6010479	WOT condenser
5108	5000113674	Lid foamed without handle/hinges
5401	1510133	Hinge
5402	1510136	Hinge with spring
5450	3011135-01	Top part for hinge cover
5451	3010032-01	Bottom part for hinge cover
5603	8471782	Handle
5606	8090054	Inlay for handle,
5606	8090342-94	Inlay for handle,
5682	1510255	Nikel-plated Key
5684	3010265-01	Cover for catch
5705	7020406	Temperature monitoring device Fridge-Tag 2E
5709	7060104	Frame for cover rocker switch bezel
5712	702090041	Safety, Thermostat XR01CH incl. sensor
5712	702090042	Refrigerator, Thermostat XR30CH incl. sensor
5714	7060247	Overcurrent circuit breaker
5718	7060105	Rocker Switch Cover
5730	7020245	"on-off" switch
5738	7010138	Pilot lamp, green
5756	7020392-03	Thermometer, solar
5883	7020475	Voltage stabiliser controller thyratron MFSL 110-285V 50Hz
5884	7020497	Voltage stabilizer transformer thyratron MFSL 110-285V 50H
5906	3510016	Basket 275 mm
5907	3510015	Basket 236 mm
5926	3510032	Bottom grating
5970	3010308-01	Motor screen
6550	7080143	Connector





Complete spare part list VLS304A AC

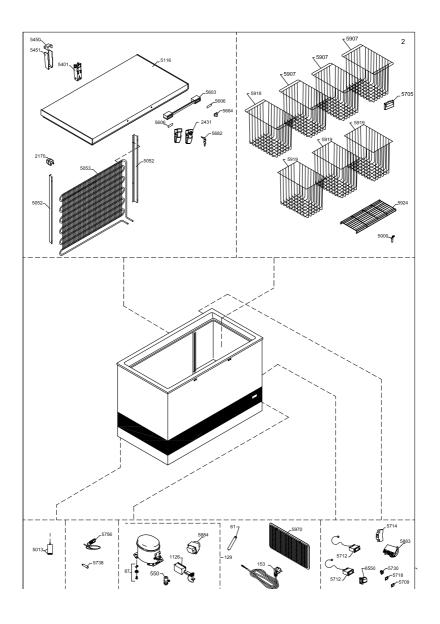
Position	Item number	Item name
0061	0-6538001	Filter drier,
0087	0-6038175	Base plate fittings, complete
0129	8-036510018	Compressor - HXK80AT , Complete,
0153	7535234	Mains lead/Power cord UK plug with angled C13 connector
0153	7535250	Power cord
0153	7535254	Power cord EU H05VV-F 3G1 C13 jack 90° black 2500mm EU-plug
0550	6520510	Run cap. 4uF/4,8 receptacles
1126	0-A921012	Cover + wirring clamp
2170	0-A9301260103	Distance piece
2431	A915010	Lock complete snap locks
5000	3010049	Drain plug
5013	3040400	Adjustable foot
5052	2041300	Fittings for condenser
5057	6010479	WOT condenser
5112	5000163674	Lid foamed without handle/hinges
5401	1510133	Hinge
5402	1510137	Hinge with spring
5450	3011135-01	Top part for hinge cover
5451	3010032-01	Bottom part for hinge cover
5603	8471782	Handle
5606	8090054	Inlay for handle,
5606	8090342-94	Inlay for handle,
5682	1510255	Nikel-plated Key
5684	3010265-01	Cover for catch
5705	7020406	Temperature monitoring device Fridge-Tag 2E
5709	7060104	Frame for cover rocker switch bezel
5712	702090041	Safety, Thermostat XR01CH incl. sensor
5712	702090042	Refrigerator, Thermostat XR30CH incl. sensor
5714	7060247	Overcurrent circuit breaker
5718	7060105	Rocker Switch Cover
5730	7020245	"on-off" switch
5738	7010138	Pilot lamp, green
5756	7020392-03	Thermometer, solar
5883	7020475	Voltage stabiliser controller thyratron MFSL 110-285V 50Hz
5884	7020497	Voltage stabilizer transformer thyratron MFSL 110-285V 50Hz
5906	3510016	Basket 275 mm
5907	3510015	Basket 236 mm
5919	3520056	Basket 225 mm
5925	3510031	Bottom grating
5970	3010308-01	Motor screen
6550	7080143	Connector





Complete spare part list VLS354A AC

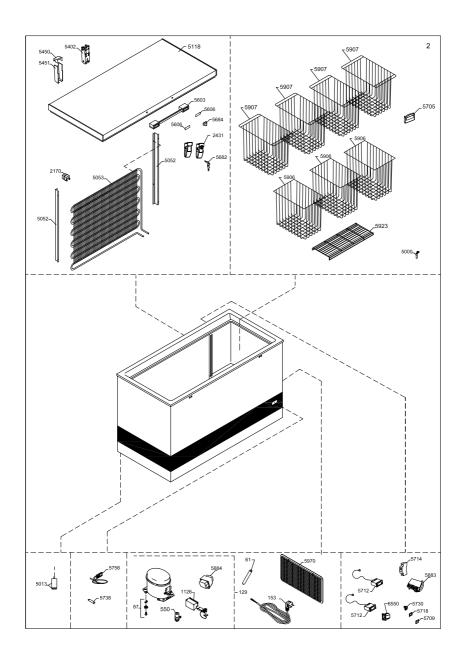
		_
0061	0-6538001	Filter drier,
0087	0-6038175	Base plate fittings, complete
0129	8-036510018	Compressor - HXK80AT , Complete,
0153	7535234	Mains lead/Power cord UK plug with angled C13 connector
0153	7535250	Power cord
0153	7535254	Power cord EU H05VV-F 3G1 C13 jack 90° black 2500mm EU-pli
0550	6520510	Run cap. 4uF/4,8 receptacles
1126	0-A921012	Cover + wirring clamp
2170	0-A9301260103	Distance piece
2431	A915010	Lock complete snap locks
5000	3010049	Drain plug
5013	3040400	Adjustable foot
5052	2040504	Fittings for condenser
5053	6010068	WOT condenser
5116	5000213674	Lid foamed without handle/hinges
5402	1510135	Hinge with spring
5450	3011135-01	Top part for hinge cover
5451	3010032-01	Bottom part for hinge cover
5603	8471782	Handle
5606	8090054	Inlay for handle,
5606	8090342-94	Inlay for handle,
5682	1510255	Nikel-plated Key
5684	3010265-01	Cover for catch
5705	7020406	Temperature monitoring device Fridge-Tag 2E
5709	7060104	Frame for cover rocker switch bezel
5712	702090041	Safety, Thermostat XR01CH incl. sensor
5712	702090042	Refrigerator, Thermostat XR30CH incl. sensor
5714	7060247	Overcurrent circuit breaker
5718	7060105	Rocker Switch Cover
5730	7020245	"on-off" switch
5738	7010138	Pilot lamp, green
5756	7020392-03	Thermometer, solar
5883	7020475	Voltage stabiliser controller thyratron MFSL 110-285V 50Hz
5884	7020497	Voltage stabilizer transformer thyratron MFSL 110-285V 50Hz
5907	3510015	Basket 236 mm
5918	3520055	Basket, 190 mm
5919	3520056	Basket 225 mm
5924	3510030	Bottom grating
5970	3010308-01	Motor screen
6550	7080143	Connector





Complete spare part list VLS404A AC

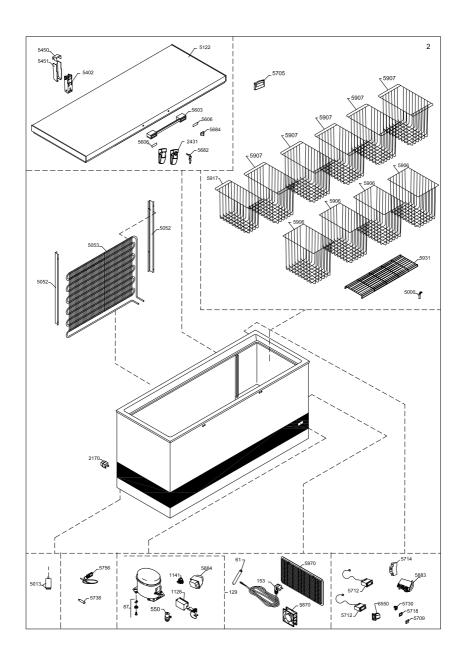
0061 0-6538001 Filter drier, 0087 0-6038175 Base plate fittings, complete 0129 8-036510018 Compressor - HXK80AT, Complete, 0153 7535234 Mains lead/Power cord UK plug with angled C13 connector 0153 7535254 Power cord EU H05VV-F 3G1 C13 jack 90° black 2500mm EU-plug 0550 6520510 Run cap, 4uF/A,8 receptacles 1126 0-A921012 Cover + wirring clamp 2170 0-A9301260103 Distance piece 2431 A915010 Lock complete snap locks 5000 3010049 Drain plug 5013 3040400 Adjustable foot 5052 2040504 Fittings for condenser 5053 601008 WOT condenser 5053 601008 WOT condenser 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5606 8090054 Inlay for handle, 56082 1510255 Nikel-plated Key			
0129 8-036510018 Compressor - HXK80AT, Complete, 0153 7535234 Mains lead/Power cord UK plug with angled C13 connector 0153 7535250 Power cord 0153 7535254 Power cord EU H05VV-F 3G1 C13 jack 90° black 2500mm EU-plug 0550 6520510 Run cap. 4uF/4,8 receptacles 1126 0-A921012 Cover + wirring clamp 2170 0-A9301260103 Distance piece 2431 A915010 Lock complete snap locks 5000 3010049 Drain plug 5013 3040400 Adjustable foot 5052 2040504 Fittings for condenser 5053 6010068 WOT condenser 5118 500000224370 Lid foamed without handle/hinges 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5603 8471782 Handle 5606 8090054 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catc	0061	0-6538001	Filter drier,
0153 7535234 Mains lead/Power cord UK plug with angled C13 connector 0153 7535250 Power cord 0550 6520510 Run cap. 4uF/4,8 receptacles 0550 6520510 Run cap. 4uF/4,8 receptacles 1126 0-A921012 Cover + wirring clamp 2431 A915010 Lock complete snap locks 5000 3010049 Drain plug 5013 3040400 Adjustable foot 5052 2040504 Fittings for condenser 5053 6010068 WOT condenser 5118 500000224370 Lid foamed without handle/hinges 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5606 8090054 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5712 702090042 Refrigerator, Th	0087	0-6038175	Base plate fittings, complete
0153 7535250 Power cord But H05VV-F 3G1 C13 jack 90° black 2500mm EU-plug 0550 6520510 Run cap. 4uF/4,8 receptacles 1126 0-A921012 Cover + wirring clamp 2170 0-A9301260103 Distance piece 2431 A915010 Lock complete snap locks 5000 3010049 Drain plug 5013 3040400 Adjustable foot 5052 2040504 Fittings for condenser 5053 6010068 WOT condenser 5118 500000224370 Lid foamed without handle/hinges 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5606 8090054 Inlay for handle, 5606 8090054 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5712 702090041	0129	8-036510018	Compressor - HXK80AT , Complete,
0153 7535254 Power cord EU H05VV-F 3G1 C13 jack 90° black 2500mm EU-plug 0550 6520510 Run cap. 4uF/4,8 receptacles 1126 0-A921012 Cover + wirring clamp 2170 0-A9301260103 Distance piece 2431 A915010 Lock complete snap locks 5000 3010049 Drain plug 5013 3040400 Adjustable foot 5052 2040504 Fittings for condenser 5053 6010068 WOT condenser 5118 500000224370 Lid foamed without handle/hinges 5418 500000224370 Lid foamed without handle/hinge cover 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5603 8471782 Handle 5606 8090054 Inlay for handle, 56082 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5712 702090041 Safety, The	0153	7535234	Mains lead/Power cord UK plug with angled C13 connector
0550 6520510 Run cap. 4uF/4,8 receptacles 1126 0-A921012 Cover + wirring clamp 2170 0-A9301260103 Distance piece 2431 A915010 Lock complete snap locks 5000 3010049 Drain plug 5013 3040400 Adjustable foot 5052 2040504 Fittings for condenser 5053 6010068 WOT condenser 5118 500000224370 Lid foamed without handle/hinges 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5603 8471782 Handle 5606 8090054 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5712 702090042 Refrigerator, Thermostat XR30CH incl. sensor 5718 7060105 Rocker Switch Cover	0153	7535250	Power cord
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1126 0-A9210120 Cover + wirring clamp 2170 0-A9301260103 Distance piece 2431 A915010 Lock complete snap locks 5000 3010049 Drain plug 5013 3040400 Adjustable foot 5052 2040504 Fittings for condenser 5053 6010068 WOT condenser 5118 500002224370 Lid foamed without handle/hinges 5402 1510135 Hinge with spring 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5603 8471782 Handle 5606 8090054 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5712 702090041 Safety, Thermostat XR30CH incl. sensor 5712 702090042 Refrigerator, Thermostat XR30CH incl. sensor 5718 7060105 Rocker Switch Cover	0550	6520510	Run cap. 4uF/4,8 receptacles
2431 A915010 Lock complete snap locks 5000 3010049 Drain plug 5013 3040400 Adjustable foot 5052 2040504 Fittings for condenser 5053 6010068 WOT condenser 5118 500000224370 Lid foamed without handle/hinges 54102 1510135 Hinge with spring 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5603 8471782 Handle 5606 8090054 Inlay for handle, 5606 8090342-94 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5718 7060105 Rocker Switch Cover	1126		Cover + wirring clamp
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5013 3040400 Adjustable foot 5052 2040504 Fittings for condenser 5053 6010068 WOT condenser 5118 500000224370 Lid foamed without handle/hinges 5402 1510135 Hinge with spring 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5603 8471782 Handle 5606 8090054 Inlay for handle, 5606 8090342-94 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5712 702090042 Refrigerator,Thermostat XR30CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5730 702045 "on-off" switch 5738 7010138 Pilot lamp, green	2431	A915010	Lock complete snap locks
5052 2040504 Fittings for condenser 5053 6010068 WOT condenser 5118 500000224370 Lid foamed without handle/hinges 5402 1510135 Hinge with spring 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5603 8471782 Handle 5606 8090054 Inlay for handle, 5606 8090342-94 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5712 702090042 Refrigerator, Thermostat XR30CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5718 7060105 Rocker Switch Cover 5730 7020392-03 Thermometer, solar 5883 7020475 Voltage st	5000	3010049	Drain plug
5053 6010068 WOT condenser 5118 500000224370 Lid foamed without handle/hinges 5402 1510135 Hinge with spring 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5603 8471782 Handle 5606 8090054 Inlay for handle, 5606 8090342-94 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5712 702090041 Safety, Thermostat XR30CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5718 7060105 Rocker Switch Cover 5730 7020245 "on-off" switch 5738 7010138 Pilot lamp, green 5756 7020392-03 Thermometer, solar	5013	3040400	Adjustable foot
5118 500000224370 Lid foamed without handle/hinges 5402 1510135 Hinge with spring 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5603 8471782 Handle 5606 8090054 Inlay for handle, 5606 8090342-94 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5712 702090042 Refrigerator,Thermostat XR30CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5718 7060105 Rocker Switch Cover 5738 7010138 Pilot lamp, green 5756 7020392-03 Thermometer, solar 5883 7020475 Voltage stabiliser controller thyratron MFSL 110-285V 50Hz 5906	5052	2040504	Fittings for condenser
5402 1510135 Hinge with spring 5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5603 8471782 Handle 5606 8090054 Inlay for handle, 5606 8090342-94 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5712 702090042 Refrigerator, Thermostat XR30CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5718 7060105 Rocker Switch Cover 5730 7020245 "on-off" switch 5738 7010138 Pilot lamp, green 5756 7020392-03 Thermometer, solar 5883 7020475 Voltage stabiliser transformer thyratron MFSL 110-285V 50Hz 5906 3510016	5053	6010068	WOT condenser
5450 3011135-01 Top part for hinge cover 5451 3010032-01 Bottom part for hinge cover 5603 8471782 Handle 5606 8090054 Inlay for handle, 5606 8090342-94 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5712 702090042 Refrigerator, Thermostat XR30CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5718 7060105 Rocker Switch Cover 5730 7020245 "on-off" switch 5738 7010138 Pilot lamp, green 5756 7020392-03 Thermometer, solar 5883 7020475 Voltage stabiliser transformer thyratron MFSL 110-285V 50Hz 5896 3510016 Basket 275 mm 5907 3510015	5118	500000224370	Lid foamed without handle/hinges
5451 3010032-01 Bottom part for hinge cover 5603 8471782 Handle 5606 8090054 Inlay for handle, 5606 8090342-94 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5712 702090042 Refrigerator, Thermostat XR30CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5718 7060105 Rocker Switch Cover 5730 7020245 "on-off" switch 5738 7010138 Pilot lamp, green 5756 7020392-03 Thermometer, solar 5883 7020475 Voltage stabiliser controller thyratron MFSL 110-285V 50Hz 5896 3510016 Basket 275 mm 5907 3510015 Basket 236 mm 5923 3510028 Bottom gra	5402	1510135	Hinge with spring
5603 8471782 Handle 5606 8090054 Inlay for handle, 5606 80900342-94 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5712 702090042 Refrigerator, Thermostat XR30CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5718 7060105 Rocker Switch Cover 5730 7020245 "on-off" switch 5738 7010138 Pilot lamp, green 5756 7020392-03 Thermometer, solar 5883 7020475 Voltage stabiliser controller thyratron MFSL 110-285V 50Hz 5884 7020497 Voltage stabilizer transformer thyratron MFSL 110-285V 50Hz 5906 3510016 Basket 275 mm 5923 3510028 Bottom grating 5970 3010	5450	3011135-01	Top part for hinge cover
5606 8090054 Inlay for handle, 5606 8090342-94 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5712 702090042 Refrigerator, Thermostat XR30CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5718 7060105 Rocker Switch Cover 5730 7020245 "on-off" switch 5738 7010138 Pilot lamp, green 5756 7020392-03 Thermometer, solar 5883 7020475 Voltage stabiliser controller thyratron MFSL 110-285V 50Hz 5884 7020497 Voltage stabilizer transformer thyratron MFSL 110-285V 50Hz 5906 3510016 Basket 275 mm 5923 3510028 Bottom grating 5970 3010308-01 Motor screen	5451	3010032-01	Bottom part for hinge cover
5606 8090342-94 Inlay for handle, 5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR30CH incl. sensor 5712 702090042 Refrigerator, Thermostat XR30CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5718 7060105 Rocker Switch Cover 5730 7020245 "on-off" switch 5738 7010138 Pilot lamp, green 5756 7020392-03 Thermometer, solar 5883 7020475 Voltage stabiliser controller thyratron MFSL 110-285V 50Hz 5884 7020497 Voltage stabilizer transformer thyratron MFSL 110-285V 50Hz 5906 3510016 Basket 275 mm 5923 3510028 Bottom grating 5970 3010308-01 Motor screen	5603	8471782	Handle
5682 1510255 Nikel-plated Key 5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5712 702090042 Refrigerator, Thermostat XR30CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5718 7060105 Rocker Switch Cover 5730 7020245 "on-off" switch 5738 7010138 Pilot lamp, green 5756 7020392-03 Thermometer, solar 5883 7020475 Voltage stabiliser controller thyratron MFSL 110-285V 50Hz 5884 7020497 Voltage stabilizer transformer thyratron MFSL 110-285V 50Hz 5906 3510016 Basket 275 mm 5907 3510015 Basket 236 mm 5923 3510028 Bottom grating 5970 3010308-01 Motor screen	5606	8090054	Inlay for handle,
5684 3010265-01 Cover for catch 5705 7020406 Temperature monitoring device Fridge-Tag 2E 5709 7060104 Frame for cover rocker switch bezel 5712 702090041 Safety, Thermostat XR01CH incl. sensor 5712 702090042 Refrigerator, Thermostat XR30CH incl. sensor 5714 7060247 Overcurrent circuit breaker 5718 7060105 Rocker Switch Cover 5730 7020245 "on-off" switch 5738 7010138 Pilot lamp, green 5756 7020392-03 Thermometer, solar 5883 7020475 Voltage stabiliser controller thyratron MFSL 110-285V 50Hz 5884 7020497 Voltage stabilizer transformer thyratron MFSL 110-285V 50Hz 5906 3510016 Basket 275 mm 5923 3510028 Bottom grating 5970 3010308-01 Motor screen	5606	8090342-94	Inlay for handle,
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5738 7010138 Pilot lamp, green 5756 7020392-03 Thermometer, solar 5883 7020475 Voltage stabiliser controller thyratron MFSL 110-285V 50Hz 5884 7020497 Voltage stabilizer transformer thyratron MFSL 110-285V 50Hz 5906 3510016 Basket 275 mm 5907 3510015 Basket 236 mm 5923 3510028 Bottom grating 5970 3010308-01 Motor screen	5718	7060105	Rocker Switch Cover
5756 7020392-03 Thermometer, solar 5883 7020475 Voltage stabiliser controller thyratron MFSL 110-285V 50Hz 5884 7020497 Voltage stabilizer transformer thyratron MFSL 110-285V 50Hz 5906 3510016 Basket 275 mm 5907 3510015 Basket 236 mm 5923 3510028 Bottom grating 5970 3010308-01 Motor screen	5730	7020245	"on-off" switch
5883 7020475 Voltage stabiliser controller thyratron MFSL 110-285V 50Hz 5884 7020497 Voltage stabilizer transformer thyratron MFSL 110-285V 50Hz 5906 3510016 Basket 275 mm 5907 3510015 Basket 236 mm 5923 3510028 Bottom grating 5970 3010308-01 Motor screen	5738	7010138	Pilot lamp, green
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5906 3510016 Basket 275 mm 5907 3510015 Basket 236 mm 5923 3510028 Bottom grating 5970 3010308-01 Motor screen	5883	7020475	Voltage stabiliser controller thyratron MFSL 110-285V 50Hz
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5923 3510028 Bottom grating 5970 3010308-01 Motor screen	5906	3510016	Basket 275 mm
5970 3010308-01 Motor screen		3510015	Basket 236 mm
	5923	3510028	Bottom grating
6550 7080143 Connector	5970	3010308-01	Motor screen
OOO TOO ITO OOIMOOD	6550	7080143	Connector





Complete spare part list VLS504A AC

Position	Item number	Item name
0061	0-6538001	Filter drier.
0087	0-6038175	Base plate fittings, complete
0129	8-03606510309	Compressor - HXK12AT , Complete,
0153	7535234	Mains lead/Power cord UK plug with angled C13 connector
0153	7535250	Power cord
0153	7535254	Power cord EU H05VV-F 3G1 C13 jack 90° black 2500mm EU-plug
0550	6520510	Run cap. 4uF/4,8 receptacles
1126	0-A921012	Cover + wirring clamp
1141	6520511	Starting device PTC
2170	0-A9301260103	Distance piece
2431	A915010	Lock complete snap locks
5000	3010049	Drain plug
5013	3040400	Adjustable foot
5052	2040504	Fittings for condenser
5053	6010068	WOT condenser
5122	5000293674	Lid foamed without handle/hinges
5402	1510136	Hinge with spring
5450	3011135-01	Top part for hinge cover
5451	3010032-01	Bottom part for hinge cover
5603	8471782	Handle
5606	8090054	Inlay for handle,
5606	8090342-94	Inlay for handle,
5682	1510255	Nikel-plated Key
5684	3010265-01	Cover for catch
5705	7020406	Temperature monitoring device Fridge-Tag 2E
5709	7060104	Frame for cover rocker switch bezel
5712	702090041	Safety, Thermostat XR01CH incl. sensor
5712	702090042	Refrigerator, Thermostat XR30CH incl. sensor
5714	7060247	Overcurrent circuit breaker
5718	7060105	Rocker Switch Cover
5730	7020245	"on-off" switch
5738	7010138	Pilot lamp, green
5756	7020392-03	Thermometer, solar
5870	7090477	Fan
5883	7020475	Voltage stabiliser controller thyratron MFSL 110-285V 50Hz
5884	7020497	Voltage stabilizer transformer thyratron MFSL 110-285V 50Hz
5906	3510016	Basket 275 mm
5907	3510526	Basket 236 mm
5917	3510525	Basket 117 mm
5931	3510523	Bottom grating
5970	3010308-01	Motor screen
6550	7080143	Connector





Vital components

Positio	n Item no	Description	
VLS204 0129	- 404A AC 8-036510018	Compressor	
VLS504 0129	A AC 8-03606510309	Compressor	0.559
5712	702090041	Safety,Thermostat XR01CH incl. sensor	
5712	702090042	Refrigerator,Thermostat XR30CH incl. sensor	
0550	6520510	Run capacitor	
1126	0-A921012	Cover &wiring clamp	
VLS504 1141	A AC 6520511	Starting device	
VLS504 5870	A AC 7090477	Fan	
5883 5884	7020475 7020497	Controller Thyratron Transformer Thyratron	



Health and safety guidance – Warning!

Before any repair job be aware of following!

WARNING:

Before servicing or cleaning the appliance, disconnect it from power source.



WARNING:

Danger risk of fire or explosion. Flammable refrigerant used. To be repaired only by trained personnel.





Required basic tools

1.Flexible socket wrench - size 7+13mm

2.Nose plier

3.Screwdriver - size 1,0x6,0 + 0,6x3,5

4. Phillips screwdriver

5.Torx screwdriver - size T10 + T20

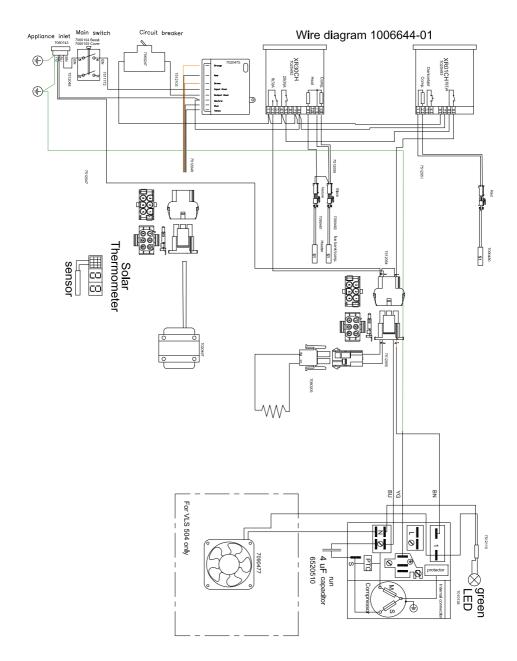
6.Clamp meter

7.Multimeter

Proposed additional service kit/items Sealing kit Tar tape Extra self-tapping screws



Wire diagram





Voltage stabilizers

Getting to know your appliance

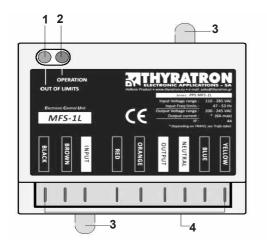
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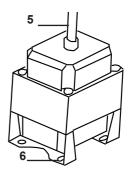
Product features:

- Voltage stabilizer
- Voltage, Frequency and current supervisor
- Intelligent ambient temperature protection
- Intelligent Time delay 3'30"+0"to30" random
- Surge protection
- Reconnecting Voltage Hysteresis
- Zero Crossing
- · Soft Start
- · Zero current change over

Electronic Control Unit - ECU & Trafo

(1): "OUT OF LIMITS" led (Red) (3), (6): Mounting points (2): "OPERATION" led (Green) (4): Fast on terminals (5):Connection cables - Fast On female terminal





LED - Indication

Event	Red LED	Green LED
Normal operation	Off	On
4 minutes delay	Blink slow	Off
Frequency out of limits	Blink fast	Off
Temperature out of limits	Blink slow	Blink slow
PPS MFS Failure or No Power	Off	Off

Voltage stabilizasion

Output Voltage Limits	
PPS MFS-L performs voltage correction and stabilization using Autotransformer, Relays and Triacs. PPS MFS-L makes switching in order to keep the output voltage within limits.	200 - 245 VAC ±2%

Voltage & frequency monitoring

Input Voltage lir	nits
PPS MFS-L monitors voltage and frequency of main power and cuts off the output when the values of main power (voltage or frequency) come out of limits.	60 - 415 VAC

	Input frequency limits	
Stage \ Hz	50 Hz	60 Hz
Stage_1: Continuously Operation	47 - 53	57 - 63
Stage_2: 60mins Delay to Cut-Off	46 - 47 & 53 - 54	56 - 57 & 63 - 64
Stage_3: 10mins Delay to Cut-Off	45 - 46 & 54 - 55	55 - 56 & 64 - 65
Stage_4: Instant Cut-Of	< 45 & > 55	< 55 & > 65



Specifications

	PPS MFS-Lw Series:	.,				PPS MFS-1Lw			IM SAA	PPS MFS-2Lw
PPS MFS-xxxL	PPS MFS-xxxLw Series (xxx: 070, 085, 100, 150, 200)	, 200)		040	090	070	085	100	150	220
	Nominal Voltage						220 - 240 VAC			
Power	Operation Voltage Bandwidth (@ $25^{0}C$)	idth (@ 25°C					60 - 415 VAC			
hiddnc	Ambient Temperature	Hur	Humidity		-5 to +45 °C	ؠڕ		5 - 95 %RH	5 - 95 %RH, non-condensin	ï
4	Voltage	Low	High	110	110 VAC ± 3% with hysteresis	h hysteresis		285 VAC ±2	285 VAC ±2% with hysteresis	sis
ındııı	Frequency Lower / Upper	20Hz	zH09		45 / 55 Hz ±0.2Hz	0.2Hz		9/55	55 / 65 Hz ±0.2Hz	
	Voltage range					70	200 - 245 VAC ±2%	2%		
Output	Max. Current (A)							4.3		
	Continuous Operation (45°C) Current (A) @ Low Voltage	³ <i>C)</i> Current (<i>F</i>	4) @ Low					3.2		
Start Up Time, Time Delay	Time Delay			4 minutesZero on Pr	4 minutes (3'30" + 0" to 30" random)Zero on Production Line for first 30 mi	30" random) for first 30 mir	utes continuc	 4 minutes (3'30" + 0" to 30" random) 2ero on Production Line for first 30 minutes continuous operation of life cycle 	· life cycle	
Thermal protection	ction			- Temperat - Temperat	- Temperature limits +80 $^{\circ}$ C - Temperature rise 15 $^{\circ}$ C / 15 minutes	C 15 minutes				
Plastic Housing	b0					UL94	UL94 V-0 Flame Retardant	ardant		
IP Class							IP44			
Lifetime						Relay li	Relay lifetime cycles 350,000	350,000		
Connections						6.3mm	6.3mm x 0.8mm flat, terminal	terminal		
Cable Harness - Lengths	- Lengths					250mm / 5.	250mm / 550mm / 1000mm versions	nm versions		
Insulation Clas	Insulation Class, Transformer Windings						$H~(~180^{\circ}C)$			
		ECU					114 x 98 x 31			
Dimension (mm)	m) Trafo	Standaro Vertical	Standard installation Vertical installation					130x95x110 108x140x90		
Total weight (Kg)	(g)							4.3		

Safety instructions - Installation

What this chapter contains

This chapter contains the safety instructions which you must follow when installing, operating and servicing the **Power Protector Stabilizer MFS**. If ignored, physical injury or death may follow and/or damage may occur to the **PPS MFS**. Read the safety instructions before you work on the unit. These warnings are intended for all who work on the PPSMFS, or cable.

WARNING! The work described in this chapter may only be carried out by a qualified electrician. Ignoring the safety instructions can cause physical injury, death or/and damage to the equipment. Make sure that the device is disconnected from the mains (input power) during installation.

Beware of hot surfaces. Some parts, such as transformer, may remain hot for a while after disconnection of the electrical supply.

- Only qualified personnel are allowed to install and maintain the PPS MFS.
- PPS MFS is intended to be built into commercial refrigeration appliances or other enclosures that provide protection against certain external influences and, in any direction, protection against direct contact and electric shock.
- It shall be installed in an area where it is inaccessible without disassembly of the enclosing area.
- Never work on the PPS MFS or cable when main power is applied. Always ensure by measuring with a multimeter (impedance at least 1 Mohm) that voltage between device input phases INPUT and NEUTRAL is close to 0V. Externally supplied control circuits may cause dangerous voltages inside the device even when the main power on the drive is switched off.
- Do not make any insulation or voltage withstand tests on the device.
- When reconnecting the wiring, always check that the Phase - Neutral order is correct.
- Do not change the electrical installations of the PPS MFS. Changes may affect the safety performance or operation of the device unexpectedly. All customermade changes are on the customer's responsibility.
- Make sure that dust from borings and grindings does not enter the drive when installing. Electrically conductive dust inside the unit may cause damage or malfunctioning.
- Do not fasten the device by welding.
 Note: The fast-on terminals on the device are at a dangerously high voltage when the input power is on.

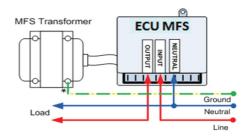


Installation and maintenance work

- The PPS MFS consist of two parts, the Electronic Control Unit (ECU) and the Autotransformer (Trafo). The ECU and the Trafo of the device is delivered in separates cardboard box. The type, size and material of the package depend on the frame size of the Autotransformer
- The parts of the PPS MFS must be connected by using fast-on terminals taking in care the coloring code of the cables and ECU.
- PPS MFS is intended to be used with the protection of a fuse gG, type B, IEC60269-3-1.
- Confirm compatibility with connection terminals as well as insulation. The connectors are Fast On terminals 6.3x0.8mm
- The device must be installed in an upright position (beside figure) with allowance for adequate cooling.
 IP rating is met only when the ECU is installed in a vertical position with the connection tabs at the bottom. This is also important as the ECU also detects ambient temperature as one of its fea-



 An earth ground connection must be take place on to the Trafo. Detail of grounding Transformer Enclosure during implementation in the appliance. (IEC 60417-5019)



Before powering the device:

- Confirm color coding between ECU and Autotransformer
- Confirm the correct fitting of the terminals to ensure IP rating of the connections.



Fuse trouble shooting

How to determine why the thermal magnetic breaker nuisance trips?

The thermal magnetic breaker is installed to protect the build-in voltage stabilizer.

Cause: Circuit breakers trip.

Resolution:

- First, determine if the breaker trips on startup or if it trips after running for a while.
- If it trips at start-up but doesn't do it repeatable, it is caused by inrush current to either the voltage stabilizer or the compressor. Resetting the breaker will have no harm on the appliance
- If it trips at start-up and does it multiple times, there is a short circuit within the appliance and a service technician should be contacted.
- 4. If it breaks after some time, the appliance is overloaded. Ensure that the condenser and engine room are clean and give the unit some minutes to cool down before resetting the fuse. The start electronic on the compressor can also be faulty causing the compressor to run on the start condenser constantly.

Maintenance, diagnostic and repair procedures

The PPS MFS maintenance-free and is made up of non-repairable / refurbishable parts. In the event of a failure of the PPS MFS, both ECU and Trafo have to be replaced with new unused units. Part replacement is not advisable.

Storage

Should not be stored or and transport in high temperature or high humidity condition. Usage, beyond the specified shelf life could compromise product long term reliability. The suitable condition is +5 to +35°C and less than 95% RH in Relative Humidity indoor.

Applicable Ambient temperature and humidity range during transport and storage: -30 to +70°C, 5 to 95% RH.

End of life resource recovery and recycling procedures.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems).



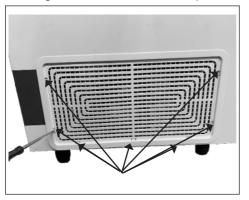
This symbol on the product or on its packaging indicates that this product shall not be treated

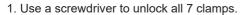
as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.



Motor compartment

How to get access to the motor compartment.







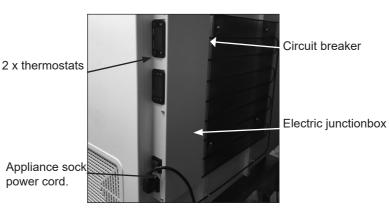


2. Unlock all 7 clamps



3.Gently pull the compressor grille.

Thermostat replacement

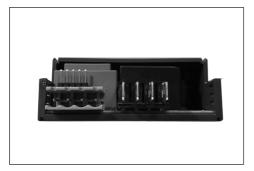




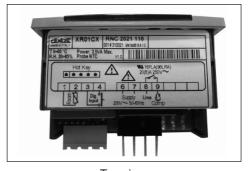
Front with display and adjustments buttons for safety and freezer



Front with display and adjustments buttons for cooler



Back with electrical sockets



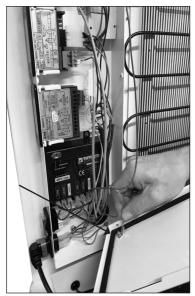
Top view



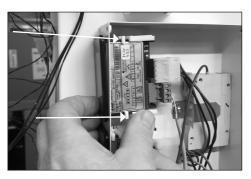




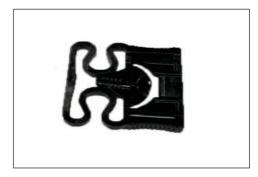
1. Access electrical componentsDismount 6 x Torx 20 screws and unmount the junction box lid



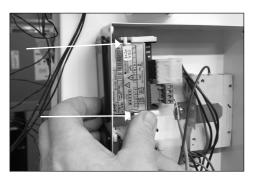
2. Remove grounding cable from junction box by unscrewing bolt with a wrench 6mm.



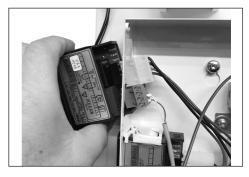
3. Remove 2 fixing clamps from thermostat. Slide the fixing clamps backwards



Fixing clamp



4. Use your finger to press and slide the lower clamp backward to remove form the thermosatat body



5. Push the thermostat out



6. Switch the sensor wire plug from old socket to the new thermostat socket.

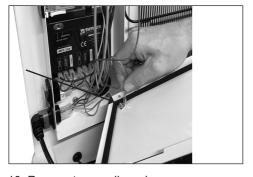


7. Switch the power wire plug from the oldto the new thermostat wire socket.

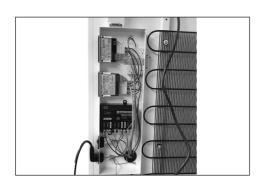




8. Bring the thermostat back in place.



10. Remount grounding wire.



Use your finger to press and slide the upper clamp back in place to secure fixture of the thermostat.

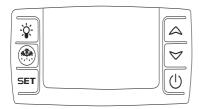


11. Remount junction box cover.

It's the same procedure that needs to be done for both of the thermostats

Thermostat adjustment





SET To display target set point in programming mode it selects a parmeter or confirm an operation.

(DEF) To start a manual defrost (UP) To see the max. stored temperature, in programming mode in browses the parameter codes or increases the displayed value.

✓ (DOWN) To see the min. stored temperature, in programming mode in browses
the parameter codes or decreases the
displayed value.

To swich the instrument off, if onF=oFF.

Not enabled.

A+ ♥ To lock & unlock the keyboard.

SET+ ♥ To enter in programming mode.

SET+ A To return to the room temperature display.

Deafault Set Points

Contact Vestfrost Technical support. www.vestfrostsolutions.com/contact/

IMPORTENT:

Incorrect parameter settings can lead to unsatisfactory cooling, risking damage to stored vaccines. If adjustment is required ONLY to be performed by trained technicians

Adjust the controller max. 1°C at a time. After adjustment monitor appliance carefully for min. 24 hours.

Main functions

How to see the setpoint

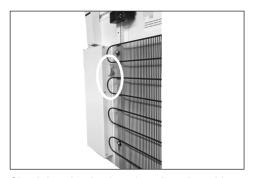
- Push and immediately release the SET key the display vill show the Set point value.
- Push and immediately release the SET key or wait for 5 seconds to display the probe value again.

How to changes the setpoint

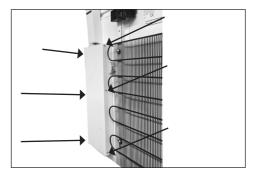
- Push the SET key for more than 2 seconds to changes the Set point value
- The value of the set point will be displayed and the °C or °F LED starts blinking
- To change the Set value push the o or n arrows within 10s
- 4. To memorise the new set point value push the SET key again or wait 10s.



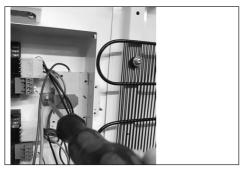
Circuit breaker replacement



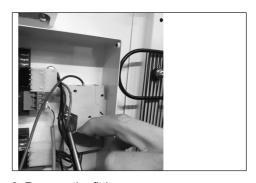
Circuit breaker is placed on the other side of the dixell



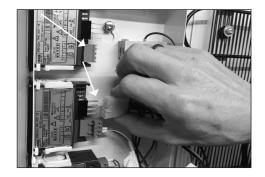
1. Dismount 6 x Torx 20 screws and unmount the junction box lid



2. Used Torx 20 to loosen the screw



3. Remove the fitting



4. Remove the wires



3. Pull the circuit breaker out and replace it.

Thermostat sensor replacement



The thermostat sensor is placed inside the compartment of the appliance.



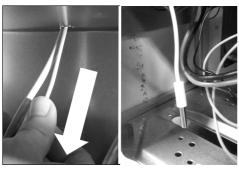
1. Dismount the sensor cover by loosen the 2 x torx screws – size 10.



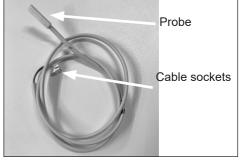
2. Take it out gently, remove the wire and the sensor from the cover.



3. In Compressor compartment, remove black sealing, and gently pull the white wire until the probe is visible.



4. Gently pull the white wire until the probe is visible.

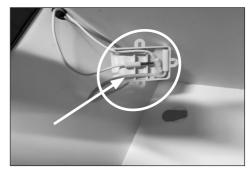


5. The thermostat sensor comes with probe, wire and cable socket.



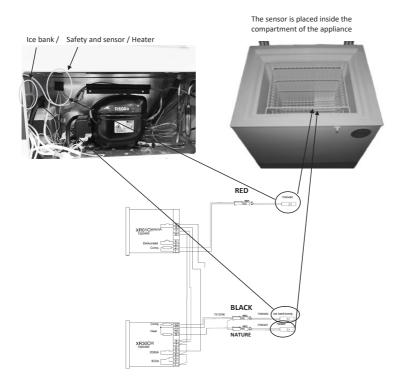


6. **IMPORTANT!** When re-mounting the new thermostat sensor remember to properly seal the wire feed through.



7. **IMPORTANT!** When re-mounting the new thermometer make sure the wire is placed properly.

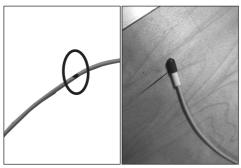
Sensor explanation



Sensor replacement for Icebank



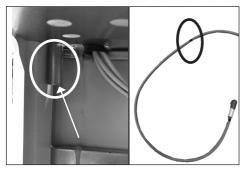
The icebank sensor is placed in the corner



Mark on wire



End cap on wire



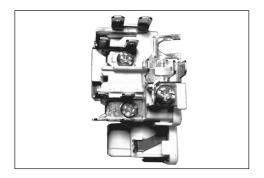
1. Put the wire into the pipe with the cap end.Pull it into where the mark on the wire



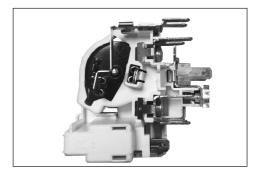
2. Tie it up with strips and cover with tar kit



Starting device replacement



Front with terminals.



Right side view



Left side view.



The starting device is mounted on the left side of the compressor.



 Dismount the cover by pushing the cover lock from right to the left with a flat screw driver.



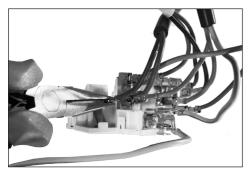
2. Pull out the cover to remove



3. Use a screw driver to losen 3 x screws.

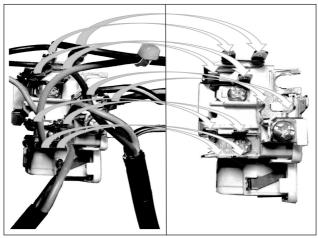


4. Use a screwdriver to loose the starting device from socket and pull.



5. Use a nose plier to unmount the wire sockets from starting device.

6. Exchange the wires 1/1 from the old starting device to the new one.





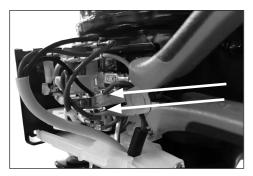
Run capacitor replacement



The run capasitor is placed in the left side of the compressor compartment, fixed to the compressor bracket.



2. Pull out the cover to remove



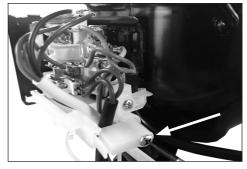
4. Use a nose plier to unmount the wire sockets.



 Dismount the cover by pushing the cover lock from right to the left with a flat screw driver.



3. Flip out the clamp to free the capasitor from the bracket.



Loosen the screw for cord relieve and pulle out the wire. The capasitor kan be remounted in reverse ordrer.

Thermometer replacement



The thermometer is placed in at the front of the appliance.



Thermometer display.



The thermometer sensor is placed inside the compartment of the appliance.



1.Dismount the temperature sensor cover by loosen the 2xtorx screws – size 10

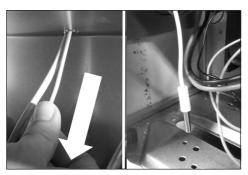


2. Sensor probe / Grab the wire and pull it out gently



In Compressor compartment, remove black sealing, and gently pull the white wire until the probe is visible.





4. Gently pull the white wire until the probe is visible.



5. Use a screw driver to gently push the socket of the thermometer.



6. Temperature monitor is loose from cabinet.



7. Thermometer comes with wire and sensor.



8. Installation of thermometer display.



9. Push untill display is fixed to cabinet.



10. Thermometer display is in place.



12. **IMPORTANT!** When re-mounting the new thermometer make sure the wire sealing plug is placed properly.



11. **IMPORTANT!** When re-mounting the new thermometer remember to properly seal the wire feed through.



Fan replacement VLS504A AC



The fan is placed at the left side of the compressor.



1. Dismount the fan from the bracket by losen the 2 hexagon bolts with a Socket wrench.

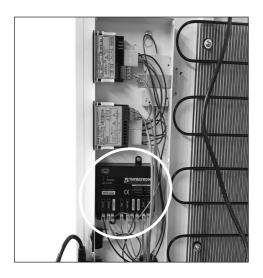


Remove strip for free access to the fan. When mounting the fan please remember to secure the wires to the fan again.

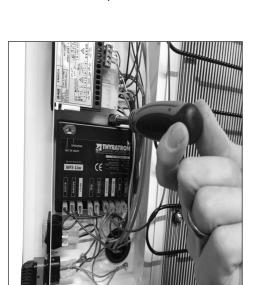


3. Use the nose plier to unmount the 2x cable sockets.

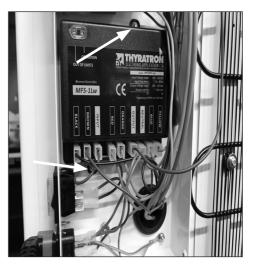
Voltage Stabilizer ECU replacement



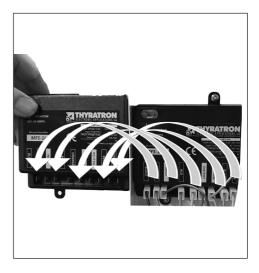
1. The controller is placed in the bottom



3.Used a flexible socket wrench



2.Loosen the 2 screws and remove the wires



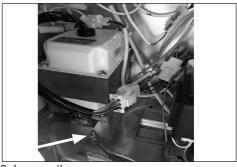
4. Exchange the wires from the old ECU to the new.



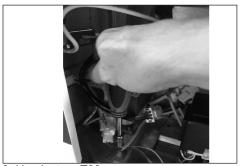
Transformer replacement



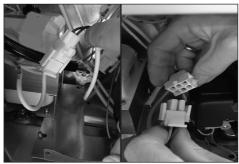
1.The transformer is placed on the left sideof the compressor compartment



2. Loosen the screw



3. Used a torx T20



4.Part the transformer power wires, bysqueezing on the side of the clamps fixingthe wire connection, the pull the plug/socketapartthe



5. Pull out the voltage stabilizer tranformer

Compressor replacement

Procedure of compressor switch.

- 1: **WARNING!** Drain coolant R600a from refrigeration system by vacuum suction.
- 2: **IMPORTANT!** Blow refrigeration system with NO/Nitrogen
- 3: Cut
 - A: Suction and pressure tube
 - B: Capillary tube
 - C: Dry filter
- 4: Dismount starting device
- 5: Dismount old compressor
- 6: Insert new compressor
- 7: Solder
 - A. Suction and pressure tube
 - B. Capillary tube
 - C. Dry filter
- 8: Install starting device

IMPORTANT! When solder copper tubes to iron tubes use silver tin

Filling of new refrigerant

- 9: Drain refrigeration system by vacuum suction
- Check type sticker for required amount of R600a to fill on refrigerant system



On-site checklist

- Is the green diode in the control panel on (Power check)?
- Temperature records (manual records, FT2 data)
- Is the internal temperature inside the acceptable range of +2° to +8°?
- Is the vaccine compartment clean and without condensation (water)?
- Is the Compressor running?
- Are baskets used and in place?
- Is the appliance placed according to instructions in the manual?
- Does the lid close tight to the cabinet and is the lid gasket in good condition?
- Is the grille for the compressor compartment clean?
- Are all electrical components working properly?
- Overall condition of the cabinet internal and external: any corrosion, rusting, cracks?
- Inspection of the refrigeration system (the condenser, evaporator, the whole refrigeration circuit/line)?



Trouble shooting

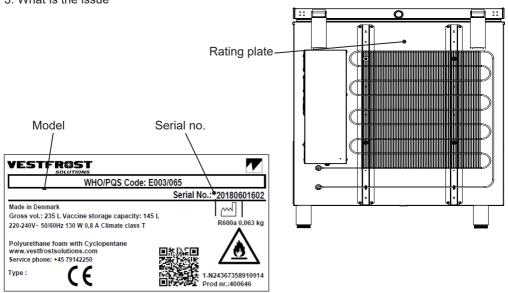
Fault	Possible cause	Remedy	
Compressor is not running.	Be patient, it is most likely that the compressor will start within a few minutes.	If this is not the case, check the following:	
	Power for appliance is not plugged in	Check that the power for appliance is plugged in	
	Power for stabilizer is not plugged in	Check that the power for stabilizer is plugged in	
	Power for appliance is not switched on	Check that the power for appliance is switched on	
	Power for stabilizer is not switched on	Check that the input voltage is within the input range of stabilizer	
	Stabilizer power fuse has blown	Check fuse	
	Stabilizer 6 min. time delay is in progress	Wait for the delay to end	
		- If the above is OK, call technical supervisor.	
Compressor is	The ventilation grille is blocked.	Ensure unhindered air circulation.	
running, and the temperature is too high.	The lid is not closed properly.	Ensure that the lid is closed properly.	
	The temperature in the room in which the appliance is installed is too high.	Shield the appliance against direct sun light and ensure more ventilation to the room.	
No temperature	The Thermometer is broken.	Change the thermometer.	
is displayed.	There is not enough light for the solar sensor.	Turn on the light.	



Technical support

When contacting Vestfrost Solutions technical support please supply below information:

- 1. Model
- 2. Serial number
- 3. What is the issue



Contact:

Vestfrost Solutions

Tel. +45 75142250

cce-service@vestfrostsolutions.com

Or visit our service-center webpage:

http://www.vestfrostsolutions.com/service-center/

Recycling procedures

Information for Users on Collection and Disposal Old Equipment and used Batteries



This symbol on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2012/19/EU and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.