



## 6.2 GP4 Refrigerated Spare Parts

**Sorvall:**

X4R Pro -,

ST4R Plus -,

**Thermo Scientific:**

SL4R Plus -,

Multifuge X4R Pro -,

Megafuge ST4R Plus - series



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## Overview

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**Refrigerated Units:** Multifuge X4R Pro -, Megafuge ST4R Plus -, Sorvall X4R Pro -, Sorvall ST4R Plus -, SL4R Plus - series

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# Centrifuges Overview

- Thermo Scientific Megafuge ST4R Plus
- SL4R Plus
- Sorvall ST4R Plus
- Thermo Scientific Multifuge X4R Pro
- Sorvall X4R Pro



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**Refrigerated Units:** Multifuge X4R Pro -, Megafuge ST4R Plus -, Sorvall X4R Pro -, Sorvall ST4R Plus -, SL4R Plus - series

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# Front Panel



[Pos. 1000](#)



[Pos. 1050](#)



[Pos. 1060](#)



[Pos. 1070](#)



[Pos. 1200](#)



[Pos. 1300](#)



[Pos. 1310](#)



[Pos. 1500](#)



[Pos. 1510](#)



[Pos. 1400](#)

[Pos. 1410](#)

[Pos. 1420](#)



[Pos. 1100](#)

[Pos. 1110](#)

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# Spare Parts Front Panel

Pos.	Part Nr.:	Description:	GP4 PRO	GP4 PLUS	Required Tools	Additional Recommended Tools
1000	50155361	Front Panel	X	X	3mm Allen	
1050	20480320	Screw for plastic parts	X	X	3mm Allen, Torx 30	
1060	20480317	Washer	X	X		
1070	20290706	O-Ring	X	X		
1100	50157315	GUI lasered, Multifuge X PRO series	X		3mm Allen	
1110	50157314	GUI lasered, Sorvall X PRO series	X		3mm Allen	
1200	50156084	Bezel UI GP4		X	3mm Allen, Torx 25	
1300	20150380	LP SUI GP PLUS		X	3mm Allen, Torx 15	
1310	50160298	SUI Housing		X	3mm Allen, Torx 15	
1400	50157289	Keypad Overlay Megafauge ST PLUS series		X	3mm Allen	
1410	50157291	Keypad Overlay ST PLUS series		X		
1420	50157293	Keypad Overlay SL PLUS series		X		
1500	50150955	Clamp ferrite round	X		3mm Allen	
1510	20059877	USB cover	X			

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# Lid & Outer Housing



[Pos. 2000](#)



[Pos. 2010](#)



[Pos. 2040](#)



[Pos. 2120](#)



[Pos. 2020](#)



[Pos. 2050](#)

[Pos. 2100](#)



[Pos. 2030](#)



[Pos. 2530](#)



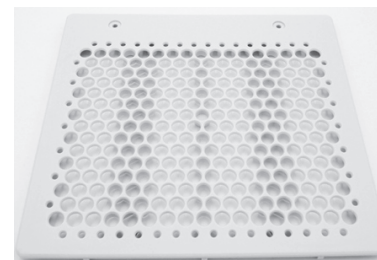
[Pos. 2520](#)



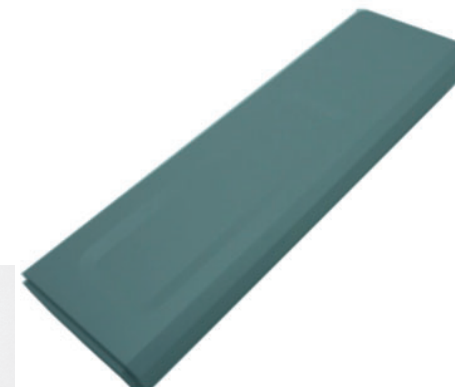
[Pos. 2510](#)



[Pos. 2500](#)



[Pos. 2300](#)



[Pos. 2400](#)

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# Spare Parts Lid & Outer Housing

Pos.	Part Nr.:	Description:	GP4 PRO	GP4 PLUS	Required Tools	Additional Recommended Tools
2000	50155359	Lid	X	X	4mm Allen, 8mm socket wrench	
2010	20058500	Hinge	X	X	4mm Allen, 8mm socket wrench	Striker pin, hammer, pipe wrench
2020	20023748	Mounting bracket Lid	X	X	4mm Allen	
2030	20058480	Hook	X	X	17mm jaw wrench, pipe wrench	
2040	50157693	Window upper part	X	X	32mm jaw wrench	
2050	20056625	Window lower part	X	X	32mm jaw wrench	
2100	50154683	Gas lid stay (ball head joint)	X	X	Striker pin, hammer, pipe wrench	
2120	50154881	Bearing block for gasspring GP4	X	X	8mm socket wrench	
2300	50156233	Ventilation Grid GP4-R	X	X	4mm Allen	
2400	50155363	Refrigeration cover GP4-R	X	X	4mm Allen	
2500	50157828	Rear panel GP4-R	X	X	4mm Allen, 7mm socket wrench	
2510	20220629	Cap	X	X		
2520	50159979	Rear panel plug GP4		X		
2530	50149033	Modular coupling (RJ45)	X		Small screwdriver	

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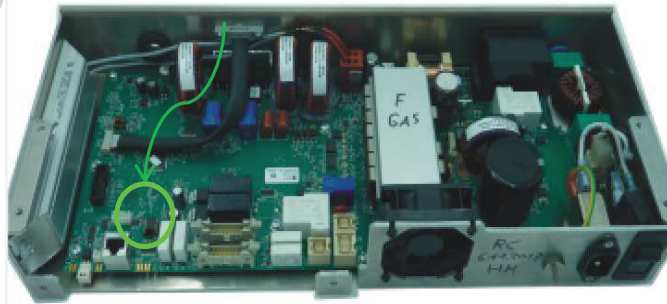
**Refrigerated Units:** Multifuge X4R Pro -, Megafuge ST4R Plus -, Sorvall X4R Pro -, Sorvall ST4R Plus -, SL4R Plus - series

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# Electronics

[Pos. 3010](#)



[Pos. 3000](#)



[Pos. 3100](#)

[Pos. 3110](#)



[Pos. 3200](#)



[Pos. 3210](#)



[Pos. 3610](#)



[Pos. 3600](#)



[Pos. 3500](#)

[Pos. 3510](#)



[Pos. 3400](#)



[Pos. 3300](#)

[Pos. 3310](#)

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# Spare Parts Electronics

Pos.	Part Nr.:	Description:	GP4 PRO	GP4 PLUS	Required Tools	Additional Recommended Tools
3000	20150350	Main PCB	X	X		
3010	NVRAM	SEE NEXT PAGE FOR NVRAM UPDATES AND PART NUMBERS				
3100	50156884	Motor GP	X	X	13mm socket wrench	AutoLock ToolKit, 3mm Allen
3110	50156885	Motor plug	X	X	Small screwdriver	
3200	20150370	PCB Speed, imbalance, rotor (Sensor cap)	X	X	3mm Allen	
3210	20058551	Motor cover	X	X		
3300	70902026	AutoLock SH65Y	X	X	AutoLock ToolKit	
3310	50114901	O-ring AutoLock green	X	X		
3400	70902710	Lid latch	X	X	3mm Allen	
3500	50157320	Harness GP4 PRO	X			Small Screwdriver
3510	50157281	Harness GP4 PLUS		X		Small Screwdriver
3610	20190300	Line in cord 120V	X	X		
3620	20190246	Line in cord 230V	X	X		

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# Service Kits & Stickers



Pos. 4100



Pos. 4000



Pos. 4290



Pos. 4200



Pos. 4210



Pos. 4220



Pos. 4230



Pos. 4240



Pos. 4250



Pos. 4260



Pos. 4270



Pos. 4280



Pos. 4300

# Spare Parts Service Kits & Stickers

Pos.	Part Nr.:	Description:	GP4 PRO	GP4 PLUS
4000	70900400	PM-Kit GP4 Pro/Plus <b>Refrigerated</b>	X	X
4100	70904693	Tool kit Auto Lock	X	X
4200	20310530	Label Biohazard	X	X
4210	50151010	Sticker Disconnect from mains	X	X
4220	50150990	Sticker Read manual	X	X
4230	20310307	Sticker Attention	X	X
4240	10100218	Label Protective earth	X	X
4250	50136700	Adhesive lable Auto Lock	X	X
4260	20055681	Lable 120V	X	X
4270	20055682	Lable 230V	X	X
4280	20055680	Lable 100V	X	X
4290		Name plate	X	X
4300	20310505	Sharp blades	X	X

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# Cooling System



[Pos. 5000](#)

[Pos. 5010](#)



[Pos. 5020](#)



[Pos. 5030](#)

[Pos. 5040](#)



[Pos. 5050](#)

[Pos. 5060](#)



[Pos. 5300](#)

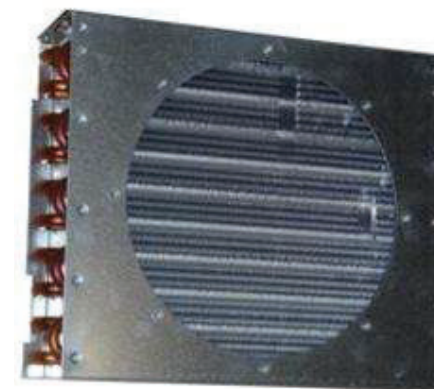


[Pos. 5200](#)



[Pos. 5100](#)

[Pos. 5110](#)



[Pos. 5070](#)

# Spare Parts Cooling System

Pos.	Part Nr.:	Description:	230V	100V / 120V
5000	20240645	Compressor (R404a)	X	
5010	20240668	Compressor (R134a)		X
5020	20240577	Dryer	X	X
5030	50115139	Pressostat bench top	X	
5040	50116522	Pressostat bench top	X	X
5050	20240671	Expansion valve (R404a)	X	
5060	20240672	Expansion valve (R134a)	X	X
5070	20058481	Condenser	X	X
5100	20210437	Fan 230V	X	
5110	20210436	Fan 120V	X	X
5200	50116267	Temperature probe	X	X
5300	50155827	Gasket	X	X

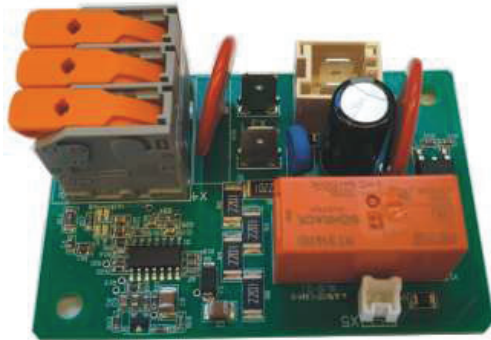
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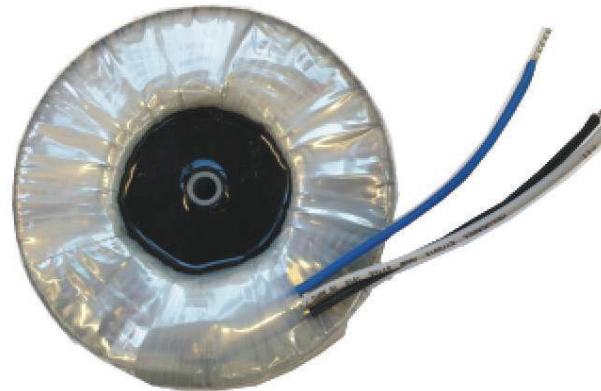
# Only 100V Units



[Pos. 5000](#)



[Pos. 5100](#)



[Pos. 5200](#)

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