

Service Spare Parts



Material	Equipment-number
75002440	41277779
75002441	41278642
75002445	41278656
75002446	41278019
75002447	41278663
75002462	41278673
75002463	41278674

Material	Equipment-number
75002420	41298810
75002421	41298831
75002425	41298834
75002426	n.a.
75002455	41305070
75002456	n.a.
75002470	41298864
75002471	n.a.

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6.0 SPARE PARTS LIST

Kapitel / Chapter: 6.0 – 6.3

Seite / Page: 6-0 – 6-41





Microliter refrigerated spareparts

Heraeus: Fresco 17/21

Sorvall: Legend Micro 17R/21R

Thermo Scientific: MicroCL 17R/21R

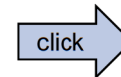
Fisher: AccuSpin Micro 17R

Centrifuges Overview – Zentrifugen Übersicht

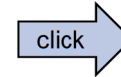
Heraeus: Fresco 17/21
Sorvall: Legend Micro 17R/21R
Thermo Scientific: Micro CL 17R/21R
Fisher: AccuSpin Micro 17R



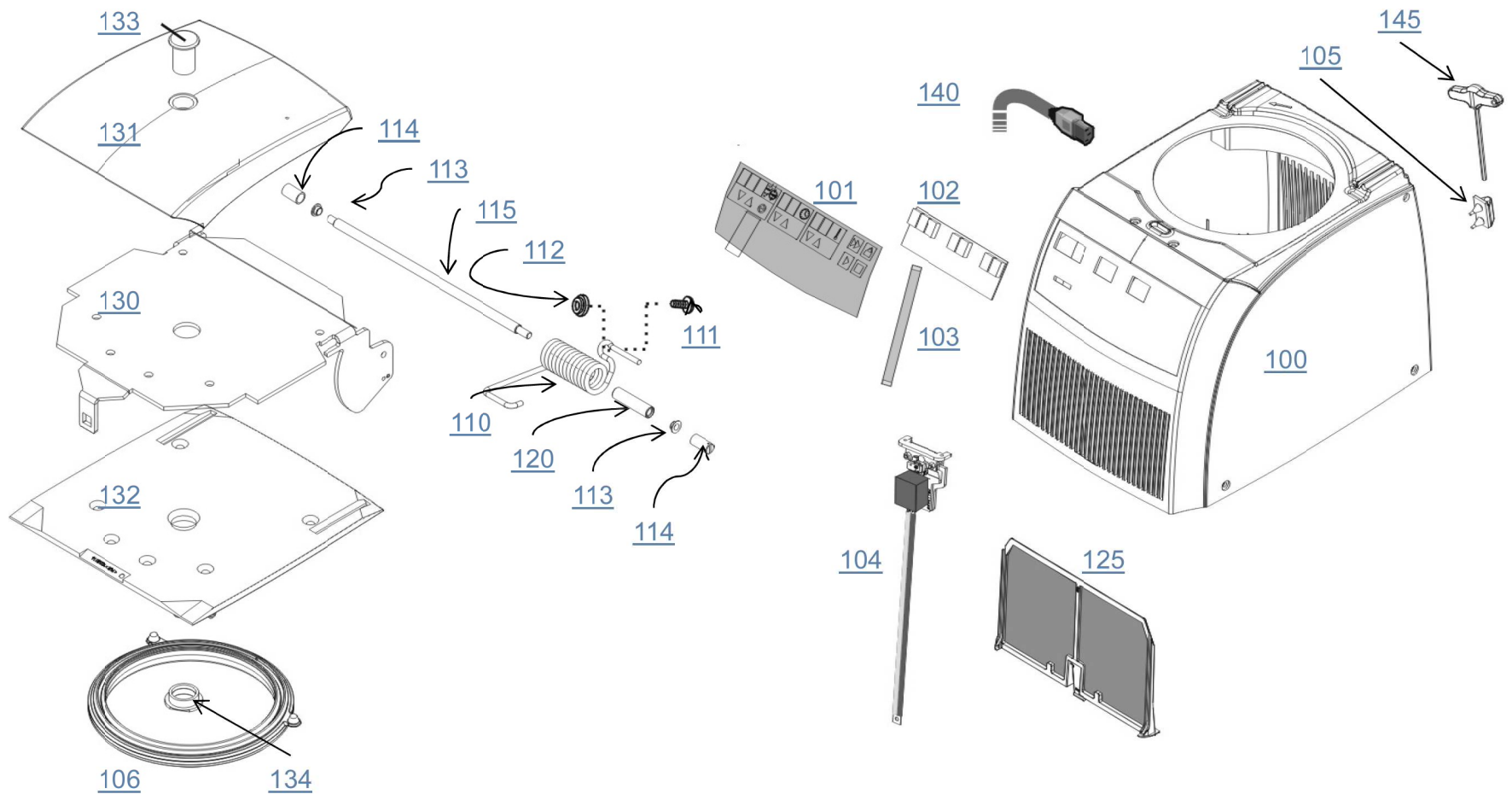
- Outer casing and lid –
Aussenteile und Deckel



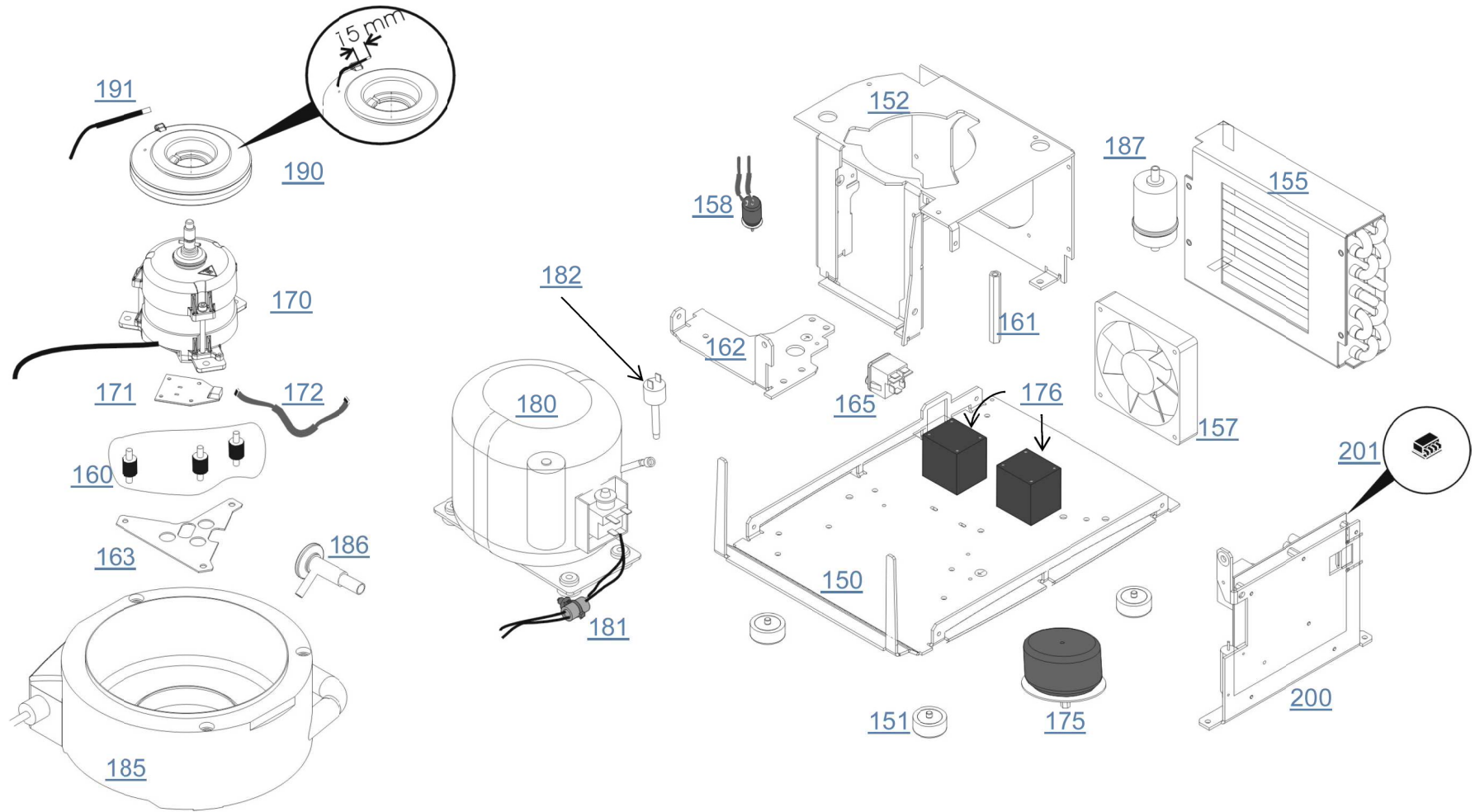
- Inner casing and electronics –
Innenaufbau und Elektronik



Outer casing and parts – Aussengehäuse und Teile



Inner casing and electronic – Innenaufbau und Elektronik



Spareparts list - Ersatzteilliste

Pos.	Part Nr.:	Description:	Beschreibung:	Heraeus/ Thermo 120V	Heraeus/ Thermo 230V	Sorvall/ Fisher 120V	Sorvall/ Fisher 230V
100	20058692	Housing Sorvall	Gehäuse Sorvall			X	X
100	20058694	Housing Heraeus	Gehäuse Heraeus	X	X		
101	20058717	Keyfoil „FRESCO 17“	Tasterfolie „FRESCO 17“	X	X		
101	20058718	Keyfoil „FRESCO 21“	Tasterfolie „FRESCO 21“	X	X		
101	20058721	Keyfoil „Legend Micro 17R“	Tasterfolie „Legend Micro 17R“			X	X
101	20058722	Keyfoil „Legend Micro 21R“	Tasterfolie „Legend Micro 21R“			X	X
101	20058725	Keyfoil „Micro CL 17R“	Tasterfolie „Micro CL 17R“	X	X		
101	20058726	Keyfoil „Micro CL 21R“	Tasterfolie „Micro CL 21R“	X	X		
101	20058728	Keyfoil „AccuSpin 17R“	Tasterfolie „AccuSpin 17R“			X	X
102	20150290	Display board	Anzeigeplatte	X	X	X	X
103	50085475	Display and Keyfoil – cable	Anzeige und Folien - Kabel	X	X	X	X
104	20901161	Latch	Deckelschloss	X	X	X	X
105	20057553	Tool holder	Werkzeughalter	X	X	X	X
106	20058114	Gasket	Kesseldichtung	X	X	X	X
110	20058257	Spring 3,5 mm	Deckelfeder 3,5 mm	X	X	X	X
111	20510303	Screw M6 x 10	Linsen-Flanschschraube M6 x 10	X	X	X	X
112	20420167	Nut	Sperrzahn Mutter	X	X	X	X
113	20350211	Collar	Gleitlagerbuchse 8x10x5	X	X	X	X
114	70060700	Nut	Deckelmutter	X	X	X	X
115	70060672	Axis	Deckelachse	X	X	X	X
120	20058129	Bushing	Federbuchse	X	X	X	X
125	20058254	Air grill	Filterkassette	X	X	X	X

Spareparts list - Ersatzteilliste

Pos.	Part Nr.:	Description:	Beschreibung:	Heraeus/ Thermo 120V	Heraeus/ Thermo 230V	Sorvall/ Fisher 120V	Sorvall/ Fisher 230V
130	70060671	Metal sheet door	Deckelblech	X	X	X	X
131	20058098	Door cover Heraeus	Deckel Heraeus	X	X		
131	20058298	Door cover Sorvall	Deckel Sorvall			X	X
132	20058116	Insulation door	Deckelisolierung	X	X	X	X
133	20056732	Window upper	Schauglas oberteil	X	X	X	X
134	20056625	Window lower	Schauglas unterteil	X	X	X	X
140	20190322	Power cord US 10A	Geräteanschlussleitung US 10A	X		X	
140	20190321	Power cord EU 10A	Geräteanschlussleitung EU 10A		X		X
145	20360104	Screw driver 5 mm	Sechskant schraubendreher 5 mm	X	X	X	X
150	70060389	Cassis Heraeus	Gehäuse Heraeus	X	X	X	X
151	20058120	Foot	Gerätefuß	X	X	X	X
152	70060668	Chamber console	Kesselträgerblech	X	X	X	X
155	20058117	Condenser	Verflüssiger	X	X	X	X
157	20210420	Fan 24V DC	Lüfter 24V DC	X	X	X	X
158	20170362	Choke PE (ground)	Drossel Masse	X	X	X	X
160	70902023	Service Kit (AV-mounts)	Service Kit (Gummipuffer)	X	X	X	X
161	70060670	Spacer	Abstandsbolzen	X	X	X	X
162	70060669	Motor console	Motorkonsole	X	X	X	X
165	20150315	Mains input socket 8A	Gerätestecker Kombielement 8A	X		X	
165	20150311	Mains input socket 4A	Gerätestecker Kombielement 4A		X		X
170	20210430	Motor 3 PH	Motor 3 PH	X	X	X	X
171	20150317	PCB tachometer	Drehzahlplatine	X	X	X	X

Spareparts list - Ersatzteilliste

Pos.	Part Nr.:	Description:	Beschreibung:	Heraeus/ Thermo 120V	Heraeus/ Thermo 230V	Sorvall/ Fisher 120V	Sorvall/ Fisher 230V
172	70902730	Wiring tacho PCB	Verdrahtung Drehzahlplatine	X	X	X	X
175	50128700	Transformer (only 100V versions)	Trafo (nur 100V versionen)	100V	100V	100V	100V
176	50128941	Choke line in (only 230V 21version)	Drosseln Netzeingang (nur 230V 21version)		X		X
180	20240597	Compressor R134a 120V	Kompressor R134a 120V	X		X	
180	20240596	Compressor R134a 230V	Kompressor R134a 230V		X		X
181	70902733	Wiring compressor	Verdrahtung Kompressor	X	X	X	X
182	50105180	Overpressure switch 21/14 NC	Überdruckschalter 21/14 NC	X	X	X	X
185	70904619	Evaporator assy	Verdampfer	X	X	X	X
186	20240640	Expansion valve TLK0,3 MOP	Expansionsventil TLK 0,3 MOP	X	X	X	X
187	20240477	Filter dryer	Trockenpatrone	X	X	X	X
190	20058249	Motor cover	Motorabdeckung	X	X	X	X
191	50129127	Sensor temperature PT1000	Temperaturfühler PT1000	X	X	X	X
200	20150393	Main PCB	Hauptplatte	X	X	X	X
201	70904622	NV-RAM 17R 230V	NV-RAM 17R 230V		X		X
201	70904624	NV-RAM 21R 230V	NV-RAM 21R 230V		X		X
201	70904626	NV-RAM 17R 120V/100V	NV-RAM 17R 120V	X		X	
201	70904628	NV-RAM 21R 120V/100V	NV-RAM 21R 120V	X		X	