Service part catalogue

VarioCooking Center® 311 - 59 dm², 150 L+

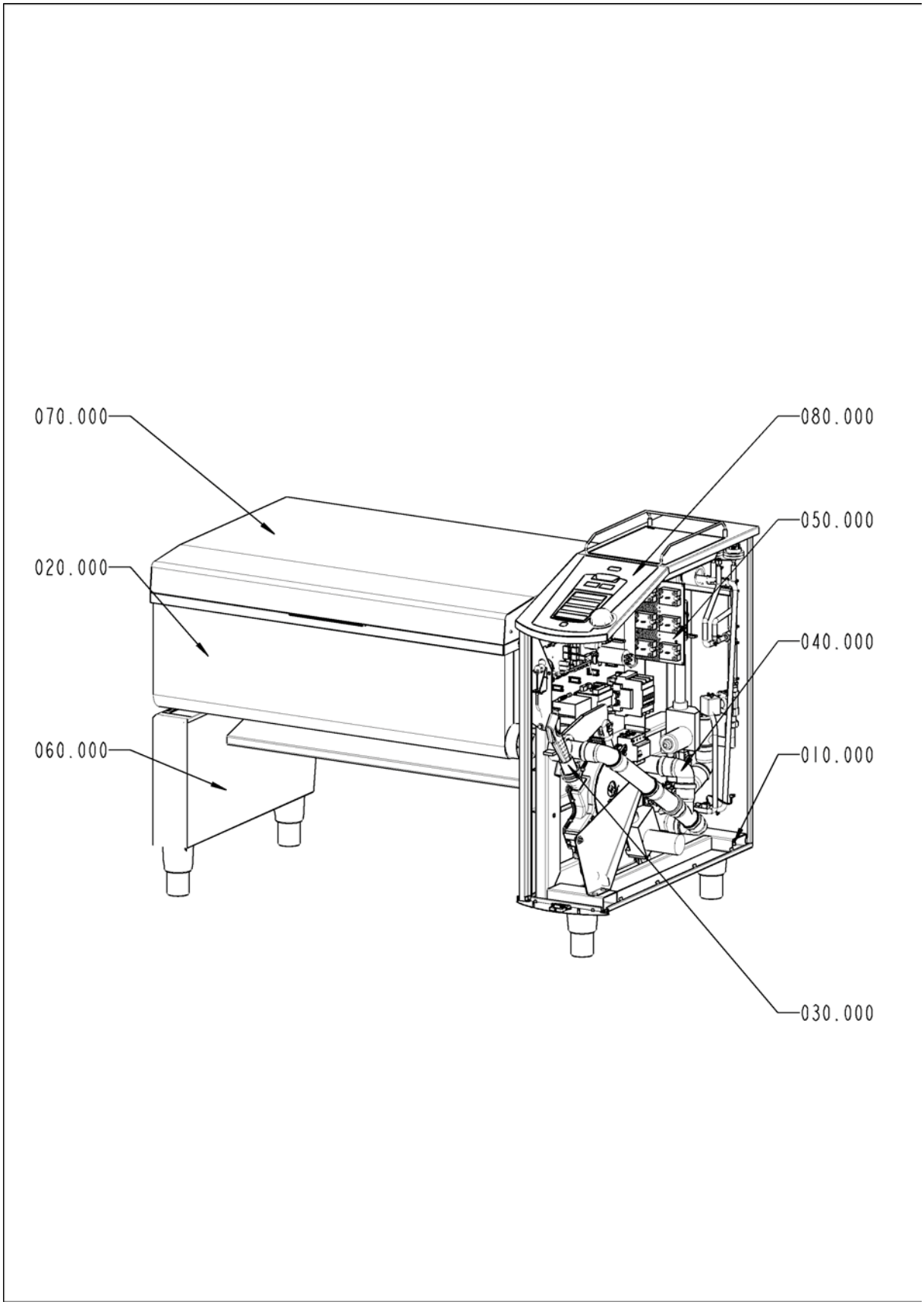
E31PG1010



19/07/2022
3 AC400 V 50-60Hz

RATIONAL_CPC_SCC_VCC-G
©Copyright by RATIONAL Technical Service
All Rights reserved

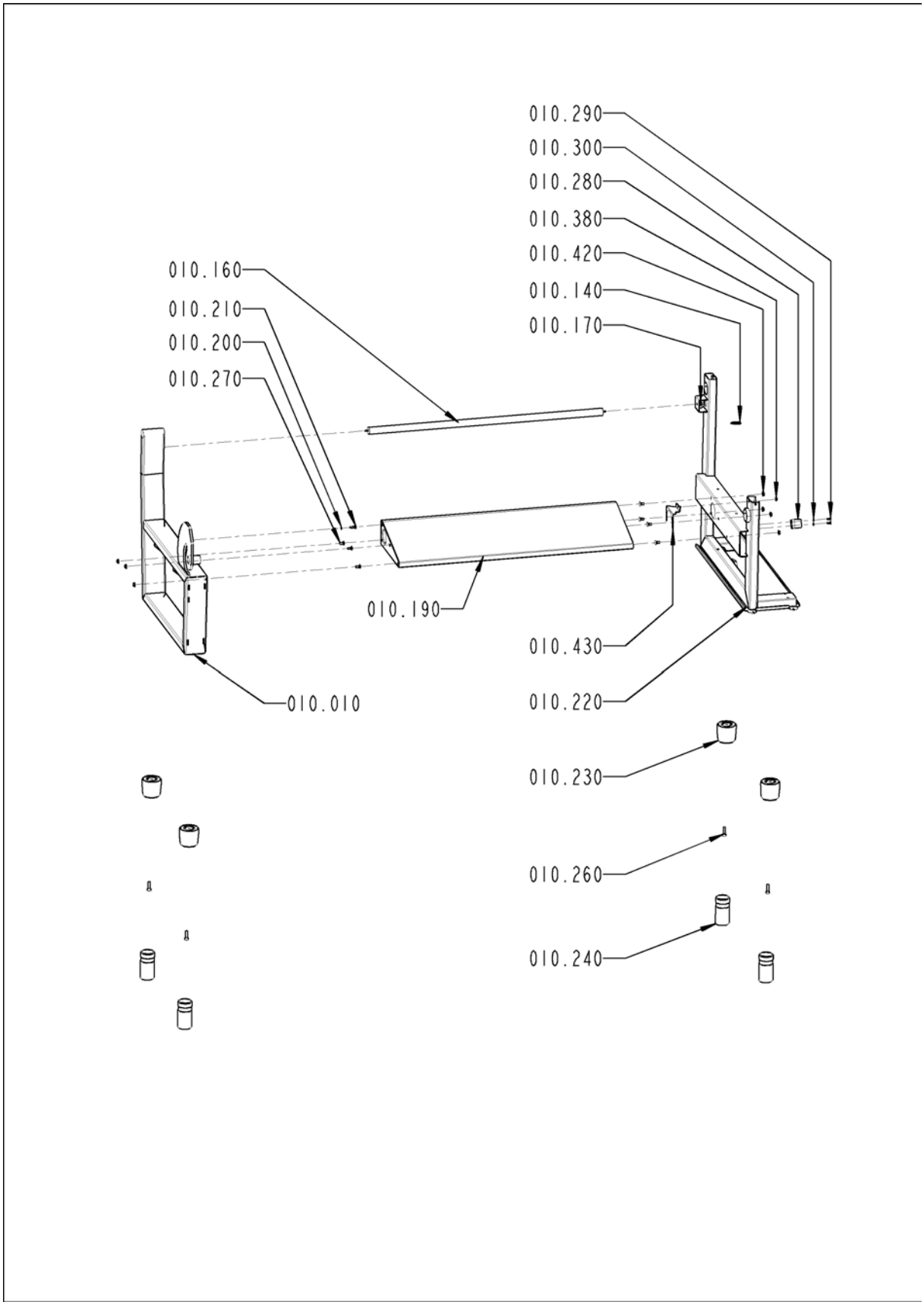
Overview



Overview

Pos.	Assembly	Page
010.000	Base structure	4
020.000	Pan	6
030.000	Water distribution, Hand shower roll guide	14
040.000	Quenching	20
050.000	Contactor assembly	26
060.000	Exterior cabinet	30
070.000	Lid	34
080.000	Control panel	40
100.000	Accessories	42

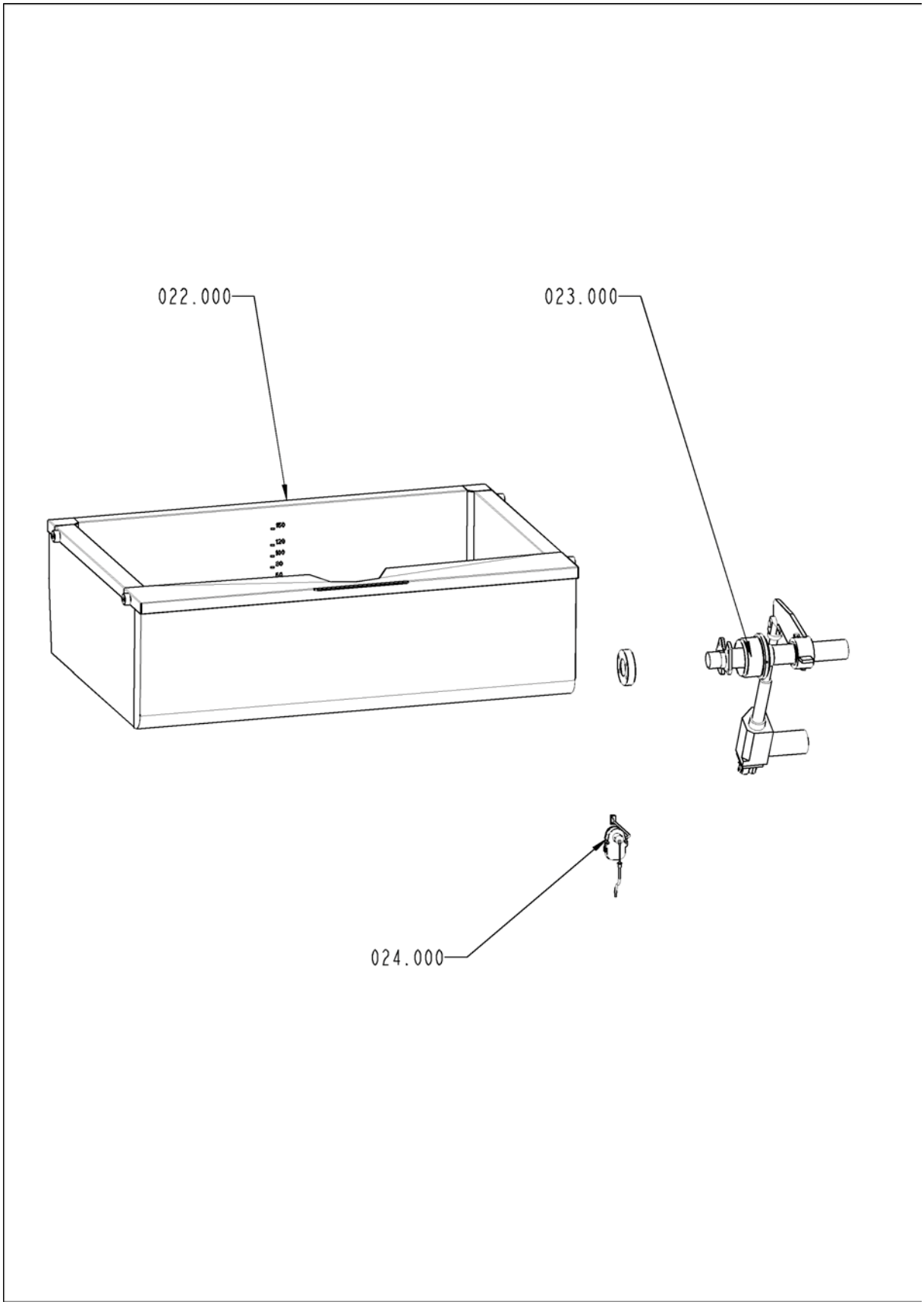
Base structure



Base structure

Pos.	Part no.	Description	Qty.
010.010	12.00.774	Chassis left welded	1
010.140	10.00.111	Cable clip long	2
010.160	12.00.871	Reinforcement of frame	1
010.170	10.00.607	Hex combination nut M8	1
010.190	12.00.777	Cross frame cpl. VCC 311	1
010.200	1308.0161	Washer A8,4	1
010.210	1008.0761	Hex screw M8x25	1
010.220	12.00.915	Chassis right	1
010.230	12.00.205	Upper part of pedestal	4
010.240	12.00.224	Lower part of pedestal 110mm	4
010.260	10.00.107	Socket cap screw M10x35	4
010.270	10.00.894	Screw TRCC 8x20	7
010.280	12.00.570	Stop device frame right	1
010.290	1008.0760	Hex screw M8x16	2
010.300	1308.0160	Washer M8 A2	2
010.380	1106.0803	Hex combination nut M6 galv	1
010.420	10.00.607	Hex combination nut M8	7
010.430	12.00.987	Fixing device for sheath shaft toppling	1

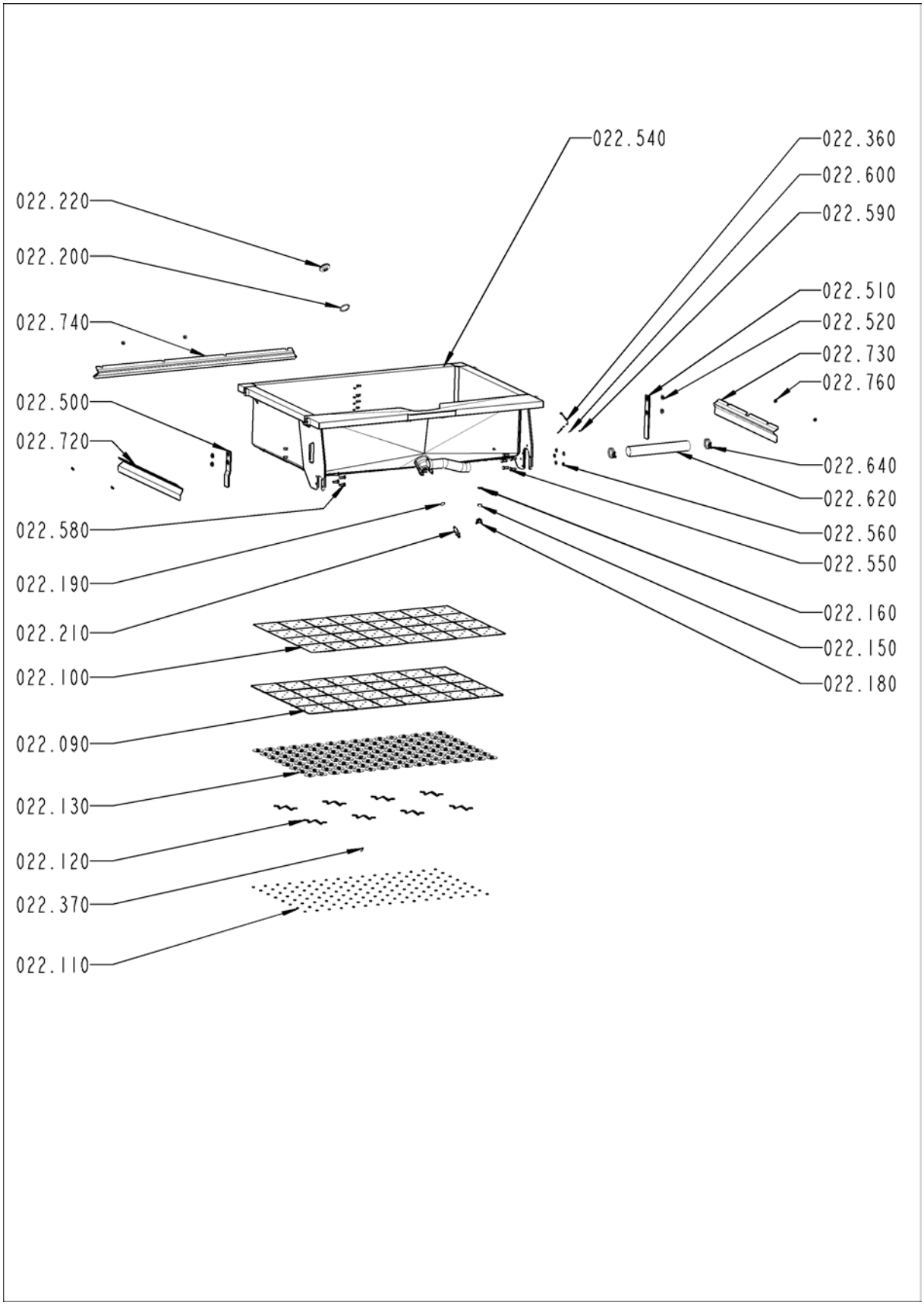
Pan



Pan

Pos.	Part no.	Description	Qty.
022.000		Pan left	1
023.000		Shaft toppling	1
024.000		Pan valve	1

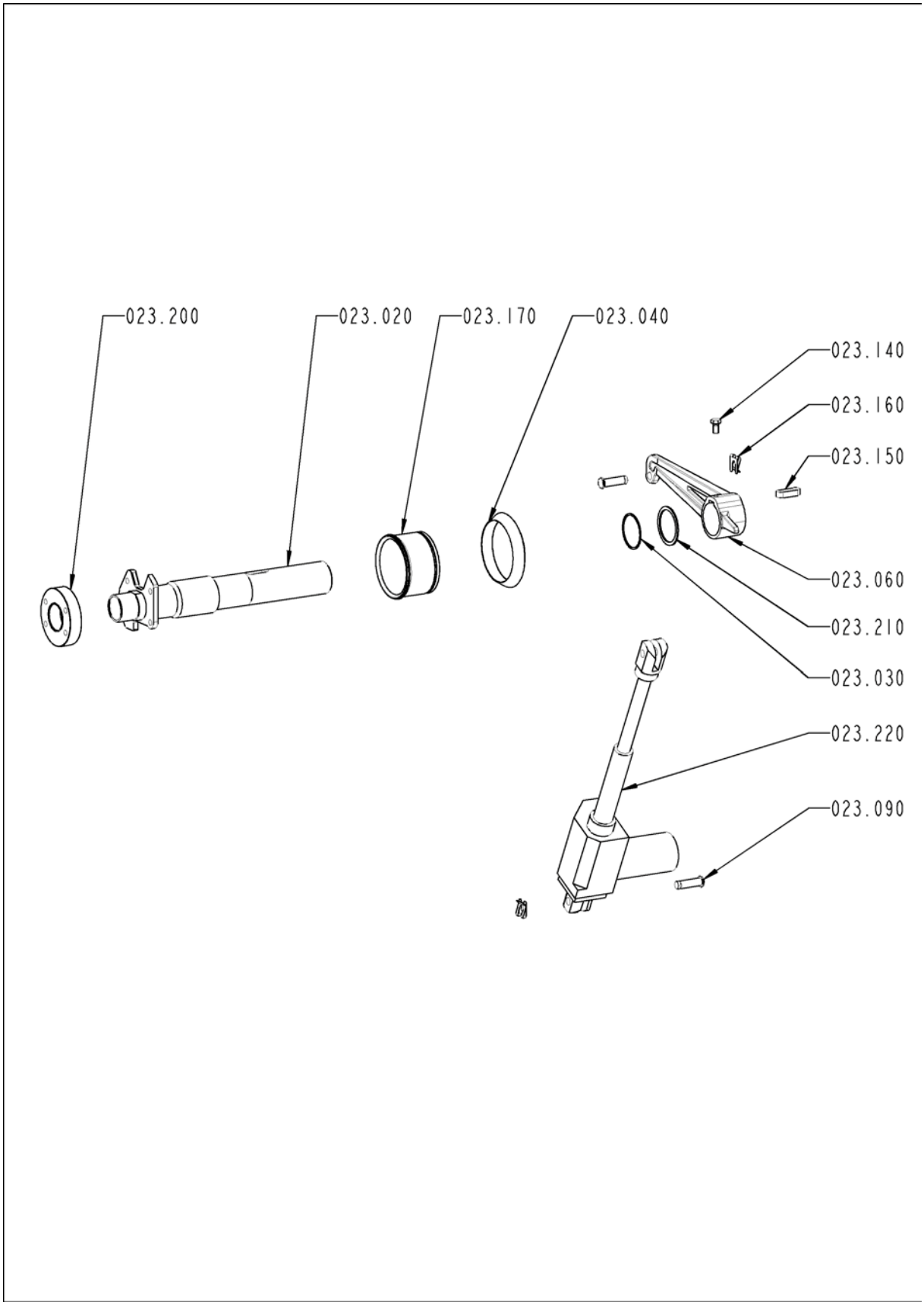
Pan left


022.540
022.360
022.600
022.590
022.220
022.200
022.740
022.510
022.520
022.730
022.760
022.500
022.720
022.640
022.620
022.580
022.560
022.550
022.190
022.160
022.210
022.150
022.100
022.180
022.090
022.130
022.120
022.370
022.110

Pan left

Pos.	Part no.	Description	Qty.
022.090	40.02.396	Heating element	32
022.100	20.00.710	Graphit plate for heating element 1400W	32
022.110	1105.0121	Hex combination nut M5 galv	128
022.120	46.00.123	Mounting device thermocouple for heating element	8
022.130	10.00.802	Washer Ø50mm for heating element	128
022.150	20.01.508	Spacer for safety temperature limiter	1
022.160	20.01.518	Graphit plate for safety temperature limiter	1
022.180	40.02.337	Safety temperature limiter 215°C	1
022.190	10.00.675	O-ring f. pan valve 17.3 x 2.4	1
022.200	20.00.993	Gasket for plug pan valve	1
022.210	20.00.905	Sheath for pan valve	1
022.220	20.00.972	Plug for pan valve	1
022.360	20.00.856	Thermocouple pan	1
022.370	87.00.339	Thermocouple for heating element	1
022.500	20.01.421	Stop left for pan	1
022.510	20.00.921	Stop right for pan	1
022.520	10.00.607	Hex combination nut M8	4
022.540	20.00.953	Pan complete 311/P	1
022.550	1008.0761	Hex screw M8x25	5
022.560	1108.0260	Hex nut M8	5
022.580	1008.0760	Hex screw M8x16	4
022.590	1104.0120	Hex nut M4	1
022.600	10.00.187	Lock washer AZ 4	1
022.620	50.01.237	Discharge pipe of pan	1
022.640	10.00.868	Hose clamp ø 47 mm	2
022.720	20.01.275	Square side protection left heating element	1
022.730	20.01.243	Square side protection right heating element	1
022.740	20.01.750	Square of protection heating element	1
022.760	1106.0803	Hex combination nut M6 galv	6

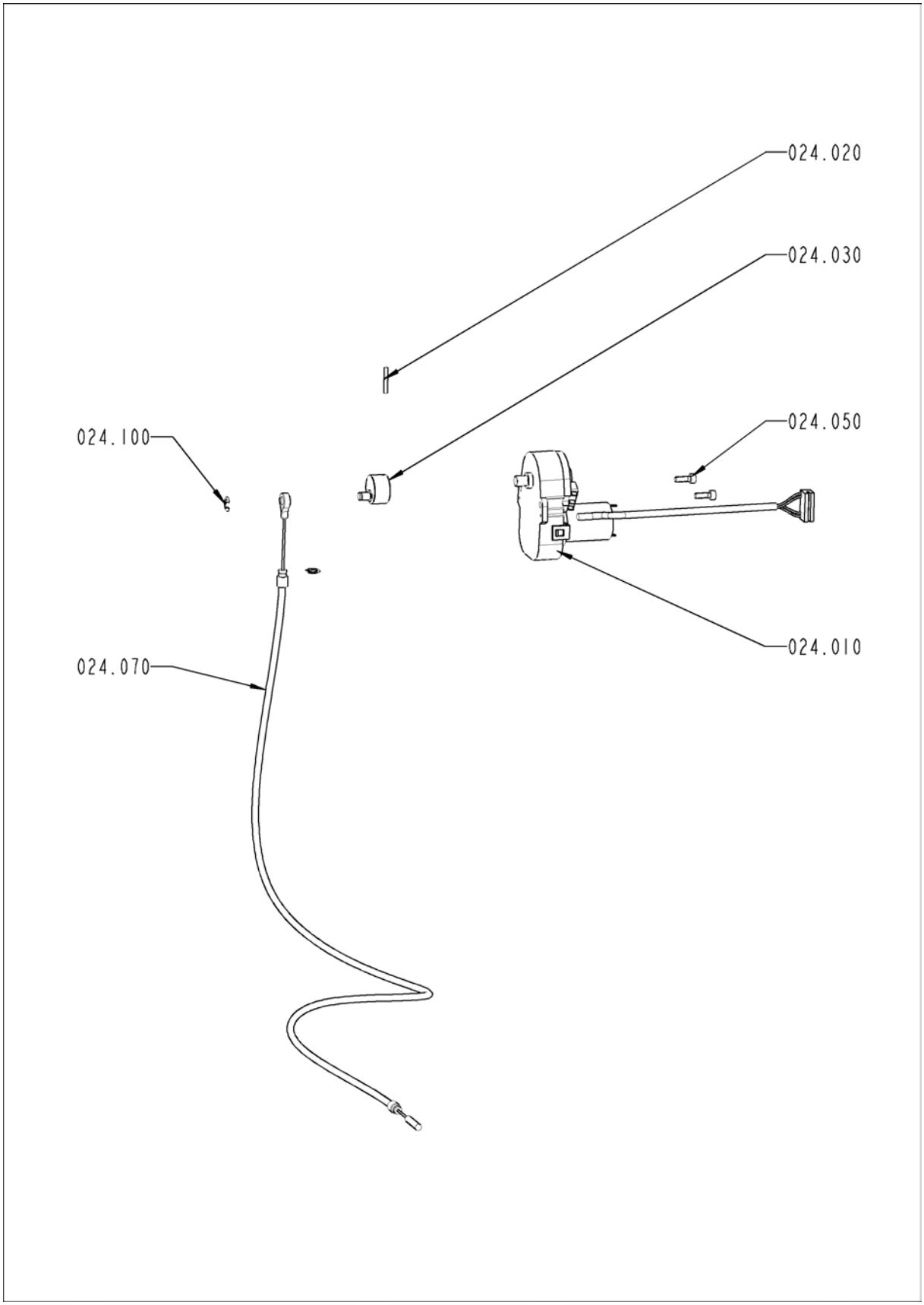
Shaft toppling



Shaft toppling

Pos.	Part no.	Description	Qty.
023.020	20.00.694	Shaft toppling welded	1
023.030	20.00.952	Friction ring shaft raising pan	1
023.040	20.01.248	Ring shaft toppling black	1
023.060	20.01.247	Swing shaft lever for pan	1
023.090	24.00.760	Shaft hoist swing shaft	2
023.140	1008.0761	Hex screw M8x25	1
023.150	20.00.701	Key arm toppling pan	1
023.160	10.00.747	Securing device for bolt d=12	1
023.170	20.01.264	Sheath shaft toppling black	1
023.200	20.00.925	Clamp left shaft toppling complete	1
023.210	24.00.756	Friction ring teflon right lid	1
023.220	40.07.748P	Lifting cylinder for lid with cover	1

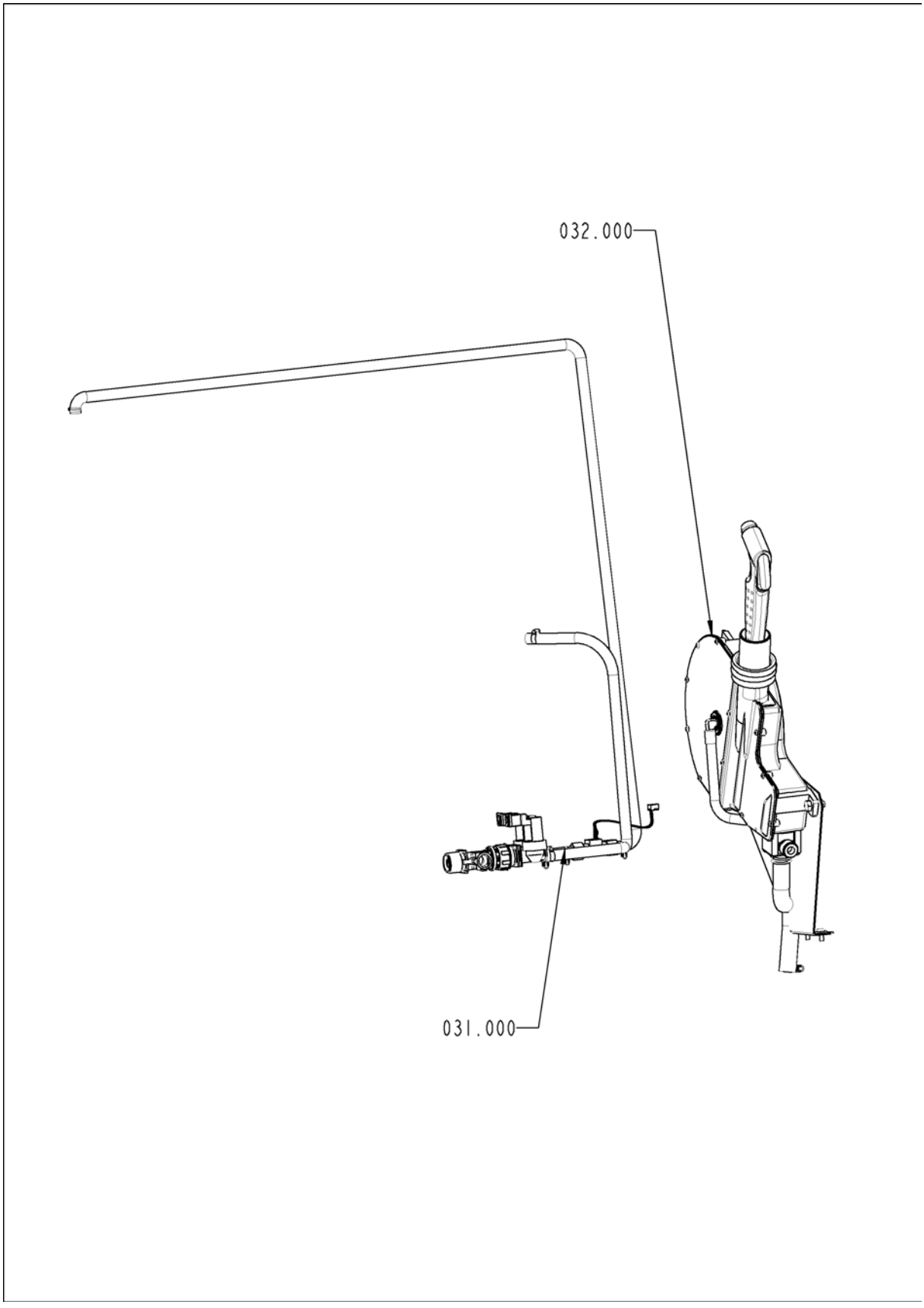
Pan valve



Pan valve

Pos.	Part no.	Description	Qty.
024.010	40.02.746	Gear motor f. pan valve	1
024.020	10.00.781	Straight pin ISO2338 A2 3m6x20	1
024.030	20.01.505	Switching cam f. pan drain valve	1
024.050	1004.0663	Allen screw M4x12	2
024.070	20.01.598	Pan valve cable	1
024.100	1251.1000	Safety washer ø5mm	2

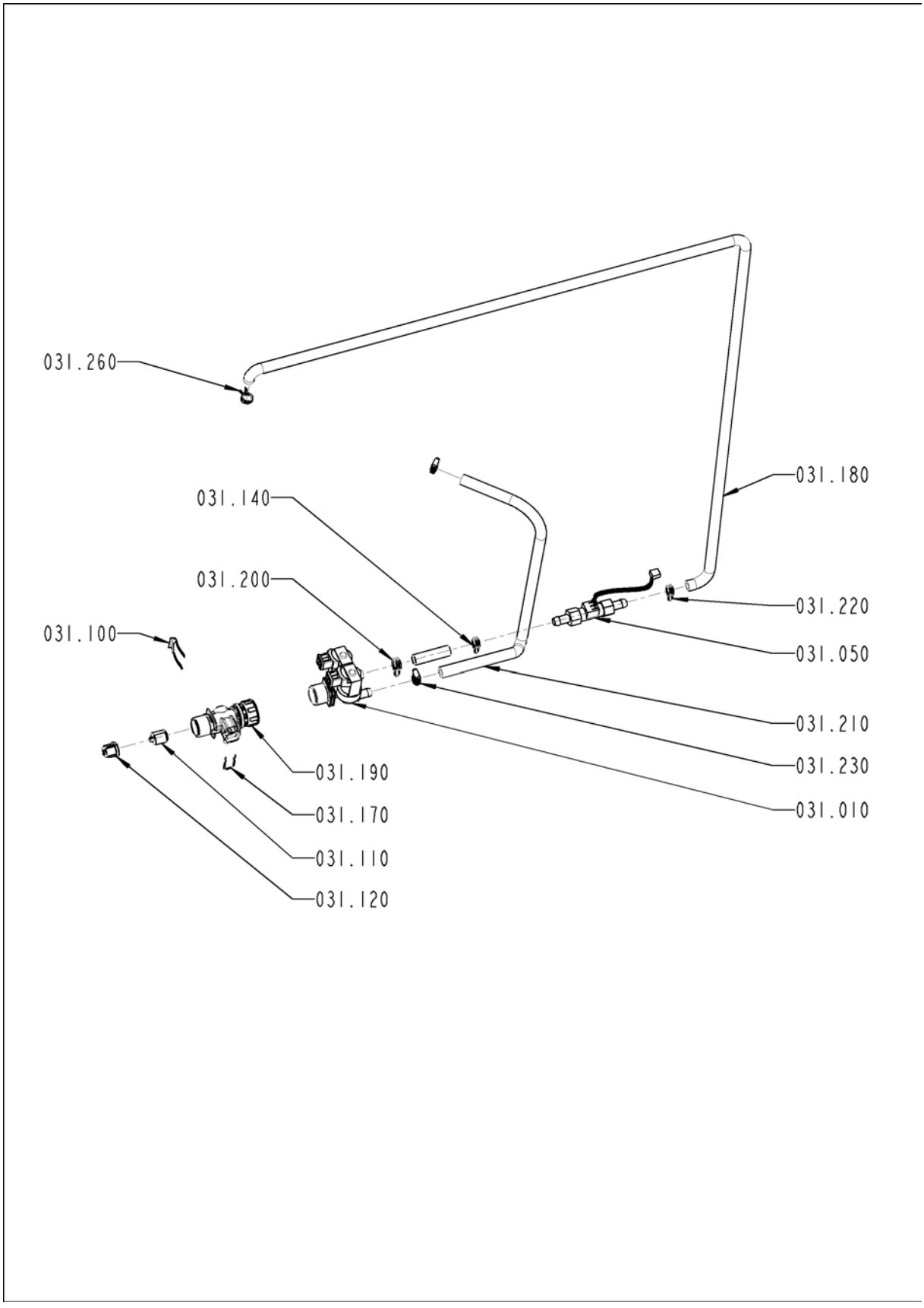
Water distribution, Hand shower roll guide



Water distribution, Hand shower roll guide

Pos.	Part no.	Description	Qty.
031.000		Water distribution	1
032.000		Hand shower roll guide	1

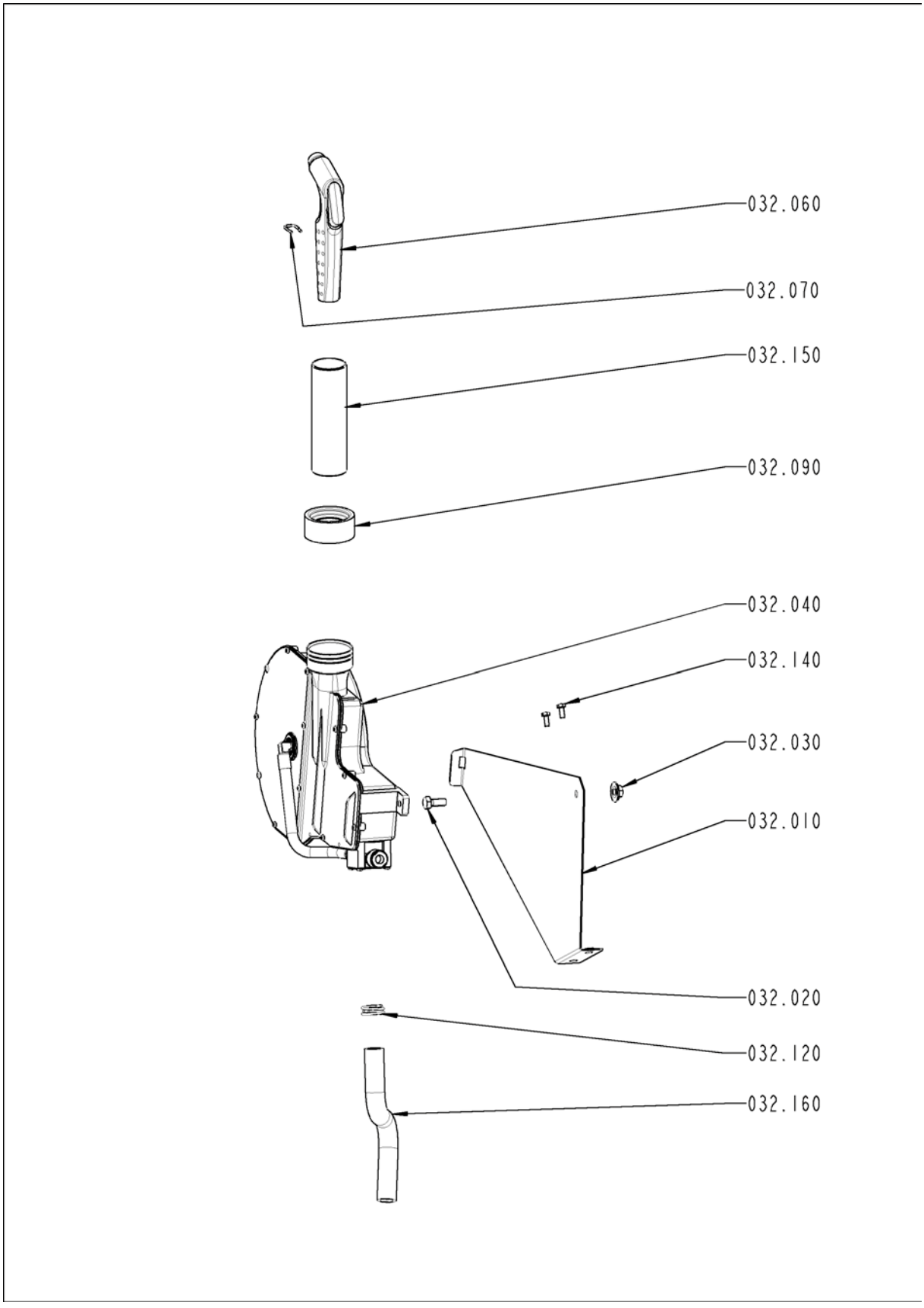
Water distribution



Water distribution

Pos.	Part no.	Description	Qty.
031.010	50.00.643	Double solenoid valve	1
031.050	44.00.670	Water volume sensor with wire	1
031.100	50.00.086	Locking plate f. water distribution	1
031.110	50.00.078	Non return valve DW16/DN12	1
031.120	1900.0202	Water filter	1
031.140	2066.0527	Hose clamp ø14mm	1
031.170	50.00.085	Plug-in spring f. hand shower roll guide	1
031.180	50.00.568	Silicone hose diameter out 14mm in 8mm	.06
031.190	50.00.072	Water distribution vert roll guide con.	1
031.200	2066.0530	Hose clamp ø16.4mm	1
031.210	2067.0050	Pressure hose d10mm	.48
031.220	2066.0527	Hose clamp ø14mm	2
031.230	50.00.348	Hose clamp 12.22 L9	2
031.260	2066.0527	Hose clamp ø14mm	1

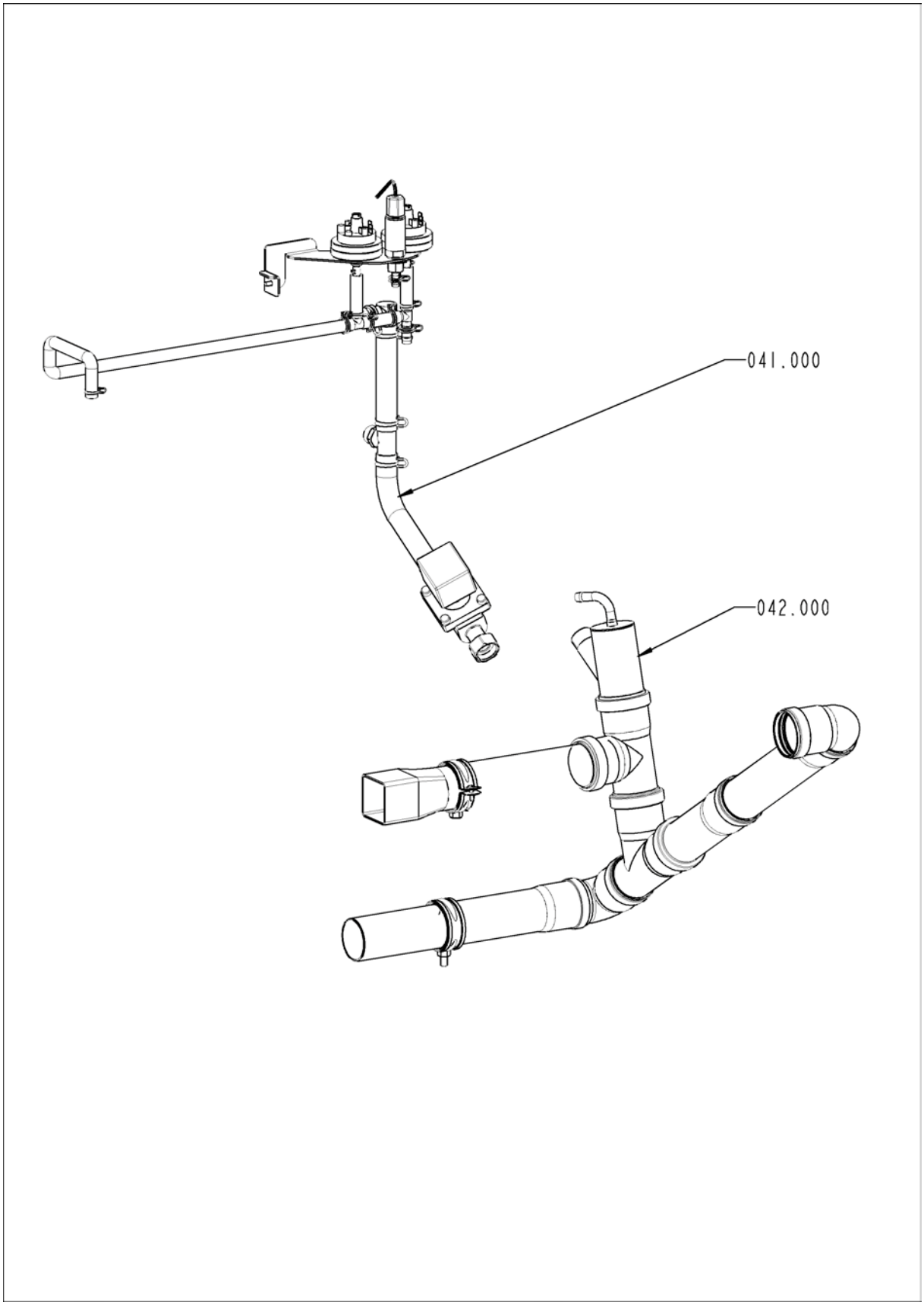
Hand shower roll guide



Hand shower roll guide

Pos.	Part no.	Description	Qty.
032.010	12.00.830	Mounting device f. hand sh. roll guide 211/311	1
032.020	1008.0763	Hex screw M8x20	1
032.030	10.00.607	Hex combination nut M8	1
032.040	50.00.799	Hand shower roll guide	1
032.060	50.00.549	Hand shower black	1
032.070	50.00.156	Clamp f. hand shower roll guide	1
032.090	50.00.297	Gasket f. tulip	1
032.120	10.00.814	Hose clamp Ø25.2	1
032.140	10.00.588	Hex screw M5x12 DIN933	2
032.150	50.00.807	Hose PP L130 Ø40	1
032.160	50.00.748	Hose EPDM 15x22 120°	.215

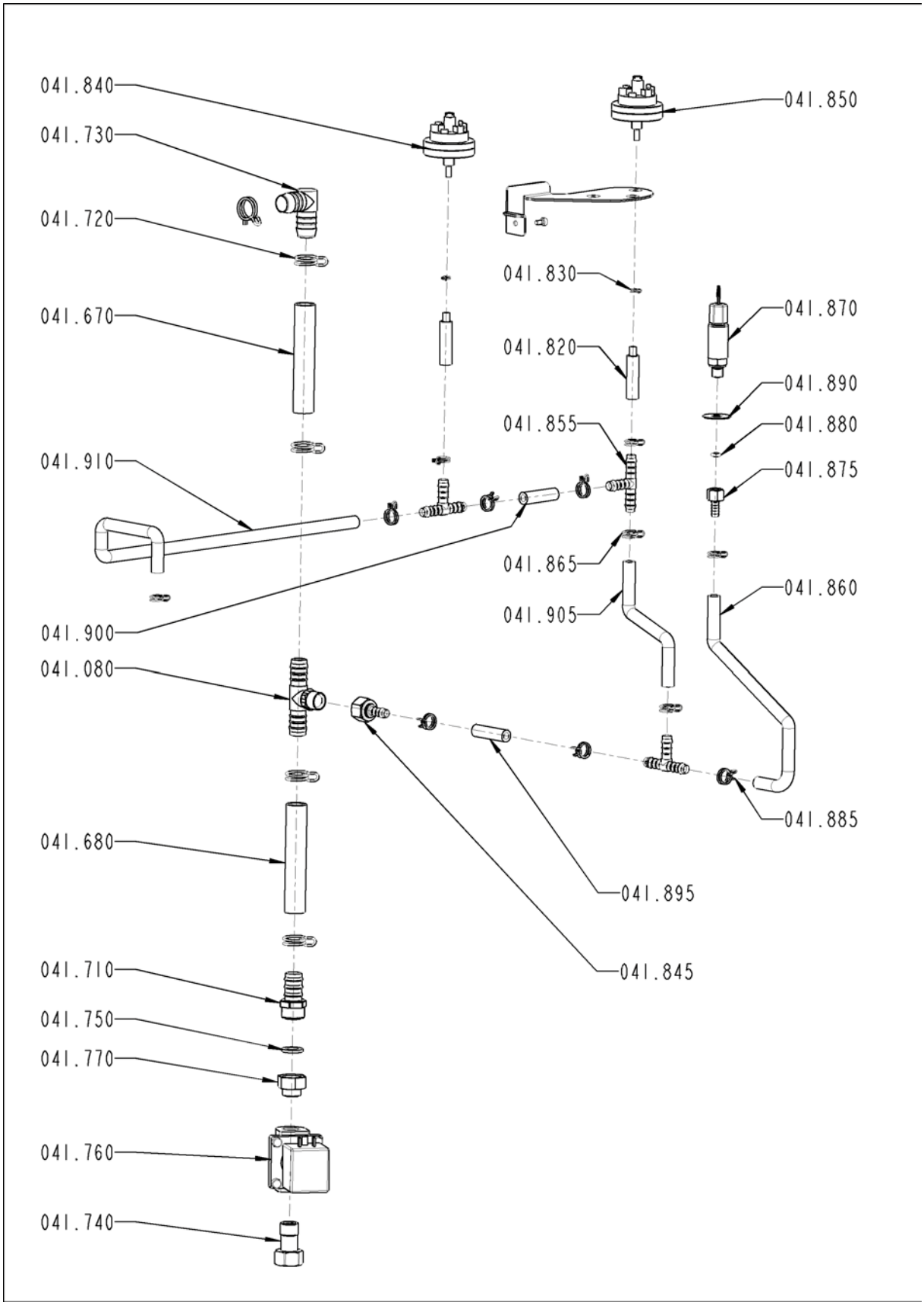
Water drain



Water drain

Pos.	Part no.	Description	Qty.
041.000		Lid drain	1
042.000		Drain	1

Lid drain


041.840
041.730
041.720
041.670
041.910
041.900
041.080
041.680
041.710
041.750
041.770
041.760
041.740
041.850
041.830
041.820
041.855
041.865
041.905
041.870
041.890
041.880
041.875
041.860
041.885
041.895
041.845

Lid drain

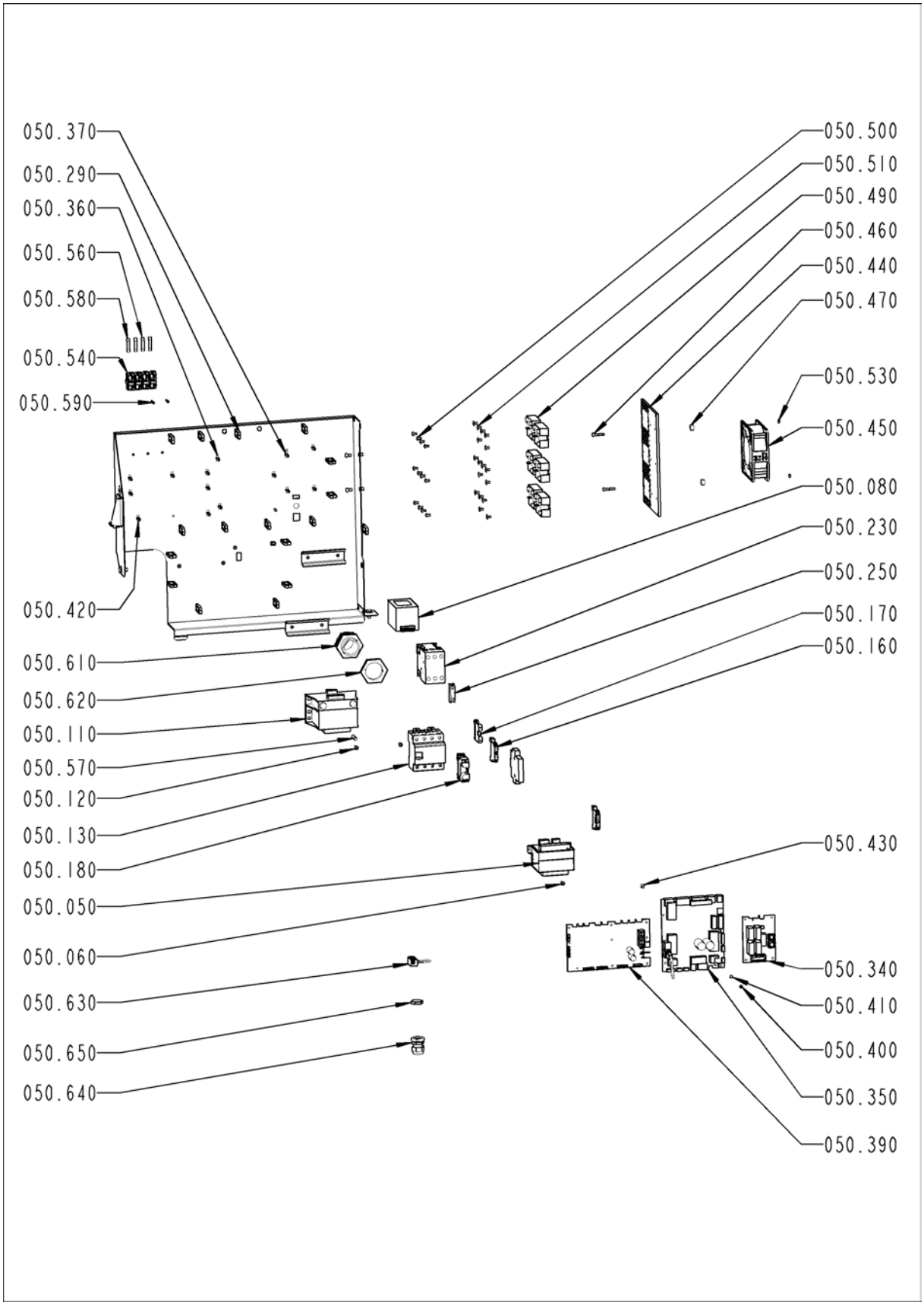
Pos.	Part no.	Description	Qty.
041.080	44.00.858	T-fitting plastics D19-1/2"	1
041.670	50.00.744	Silicone hose 18x24	.09
041.680	50.00.744	Silicone hose 18x24	.09
041.710	44.00.857	Screwed grommet D19-3/4"	1
041.720	10.00.814	Hose clamp Ø25.2	4
041.730	50.00.745	Elbow fitting D19, 90 degree	1
041.740	54.00.536	Threaded connection 3/4" 1/2" revolving nut	1
041.750	5110.1024	Gasket for G3/4" threaded joint	2
041.760	50.00.749	Solenoid valve for pressure reduction NO G1/2 Dn16mm	1
041.770	54.00.842	Reducing nipple 3/4" to 1/2"	1
041.820	22.00.508	Connecting nipple 112-311P	2
041.830	10.00.656	Hose clamp D9.1	2
041.840	40.00.750	Pressure switch 200mbar	1
041.845	50.00.664	Connecting nipple F1/2 D10	1
041.850	40.02.048	Pressure switch 25 mbar	1
041.855	2062.0302	T-fitting TS10	3
041.860	50.00.568	Silicone hose diameter out 14mm in 8mm	.29
041.865	2066.0527	Hose clamp ø14mm	4
041.870	40.02.348	Pressure sensor left	1
041.875	50.00.655	Fitting F1/4 D9	1
041.880	40.02.014	O-ring NITRILE D16	1
041.885	2066.0530	Hose clamp ø16.4mm	8
041.890	10.00.853	Washer L13	1
041.895	50.00.568	Silicone hose diameter out 14mm in 8mm	.05
041.900	50.00.568	Silicone hose diameter out 14mm in 8mm	.05
041.905	50.00.568	Silicone hose diameter out 14mm in 8mm	.14
041.910	50.00.568	Silicone hose diameter out 14mm in 8mm	.57

Drain

Drain

Pos.	Part no.	Description	Qty.
042.020	54.00.560	Elbow-pipe PP DN50 87°	2
042.100	54.00.577	Y-Fitting PP DN50 87°	1
042.120	54.01.092	Control chamber	1
042.140	54.00.755	Pipe PP DN50 x 250	2
042.160	54.00.929	Hose clamp Ø50	1
042.170	54.00.943	Tube 315mm Ø50 to square 50x50	1
042.180	54.00.564	PP-Pipe DN50 x 150mm	1
042.190	54.00.944	Y PP DN50-50 67.3°	1
042.200	54.00.929	Hose clamp Ø50	1
042.240	10.00.593	Hex socket set screw cone point A2 M8X20	1

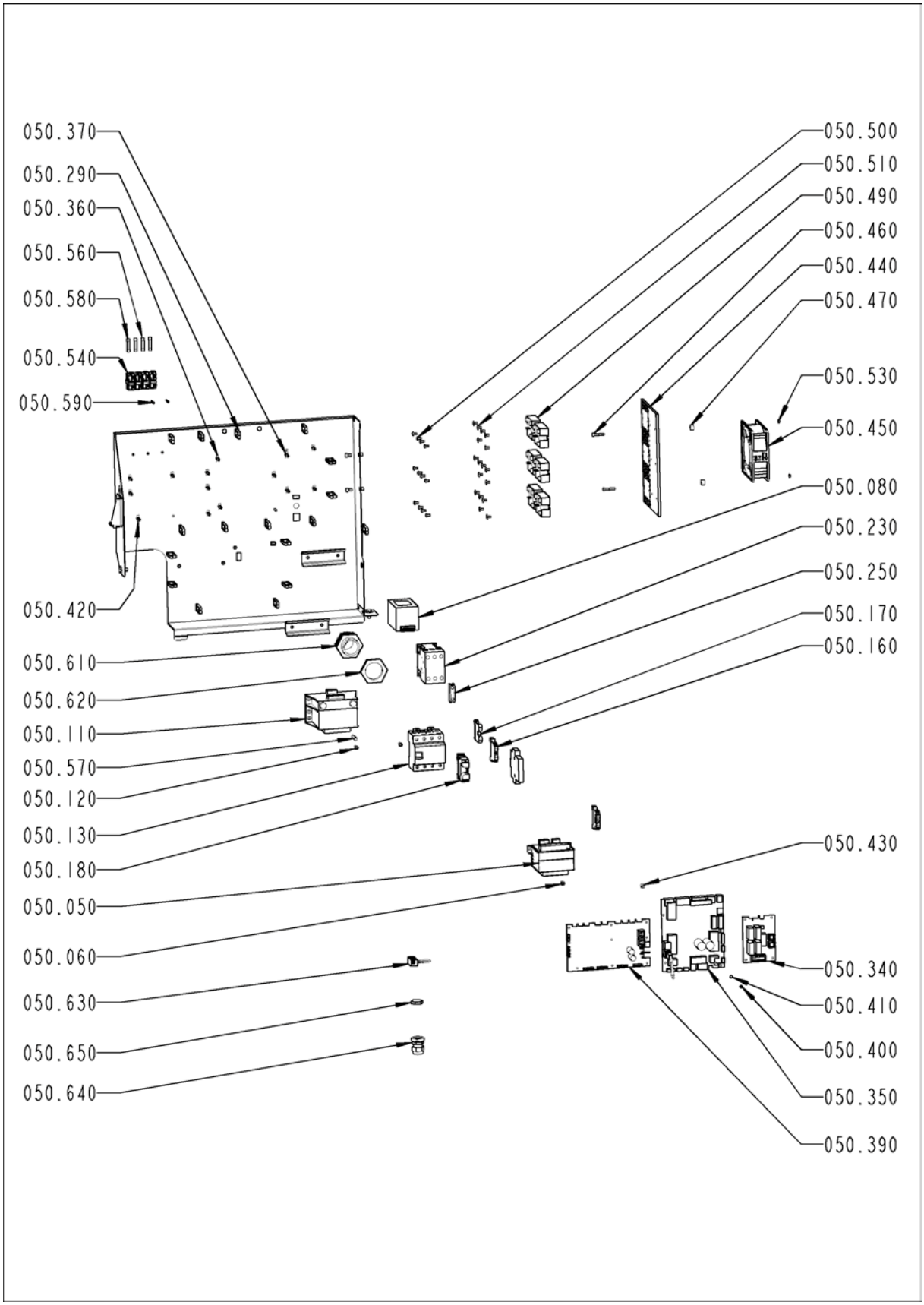
Contactor assembly



Contactor assembly

Pos.	Part no.	Description	Qty.
050.050	40.00.277	Control transformer	1
050.060	1005.0663	Allen screw M5x10	2
050.070	40.00.284	Power transformer	1
050.080	40.02.967	Electronic noice filter	1
050.110	40.03.647	Transformer	1
050.120	1005.0663	Allen screw M5x10	2
050.130	40.02.140	Differential switch	1
050.170	40.02.872	Earth terminal 10mm² yellow/green	2
050.180	4001.1233	Terminal block yellow/green 35mm²	1
050.230	40.03.139	Contactor K3-40B00	1
050.250	40.02.641	Auxilliary contact B&J HN10 N/O	1
050.290	10.00.111	Cable clip long	17
050.340	42.00.053	X relay pcb	1
050.350	42.00.054	Relay-I/O pcb	1
050.360	40.01.579	Fixing clip f. pcb	4
050.370	40.01.579	Fixing clip f. pcb	3
050.390	42.00.039	Relay-I/O pcb A4	1
050.400	1104.0120	Hex nut M4	1
050.410	10.00.187	Lock washer AZ 4	1
050.420	40.01.579	Fixing clip f. pcb	8
050.430	40.02.015	Distance nut PA H10 x 4.3 D.8MM	1
050.440	2930.1304	Cooling plate solid state relay	1
050.450	3101.1008	Cooling fan	1
050.460	1004.0662	Allen screw M4x25	2
050.470	40.02.015	Distance nut PA H10 x 4.3 D.8MM	2
050.490	40.01.589	Solid state relais	6
050.500	10.00.444	Raised countersunk head screw Torx M4x8	12
050.510	10.00.507	Pan head screw Torx 5/16" T20	17
050.530	1104.0121	Hex nut M4 self locking	2
050.540	4001.1295	Fuse holder e 1003Si/1DS	1
050.560	4001.0224	Fuse 6.35x32mm	2
050.570	40.01.028	Fuse 5x20 6,3A T	1
050.590	10.00.611	Hex socket head cap screw A2 M3X20	2
050.610	40.00.701	Screwed cable gland polyamid PG40	1
050.620	10.00.116	Fixing nut for cable gland PG40 polyamid	1
050.670	10.00.588	Hex screw M5x12 DIN933	4

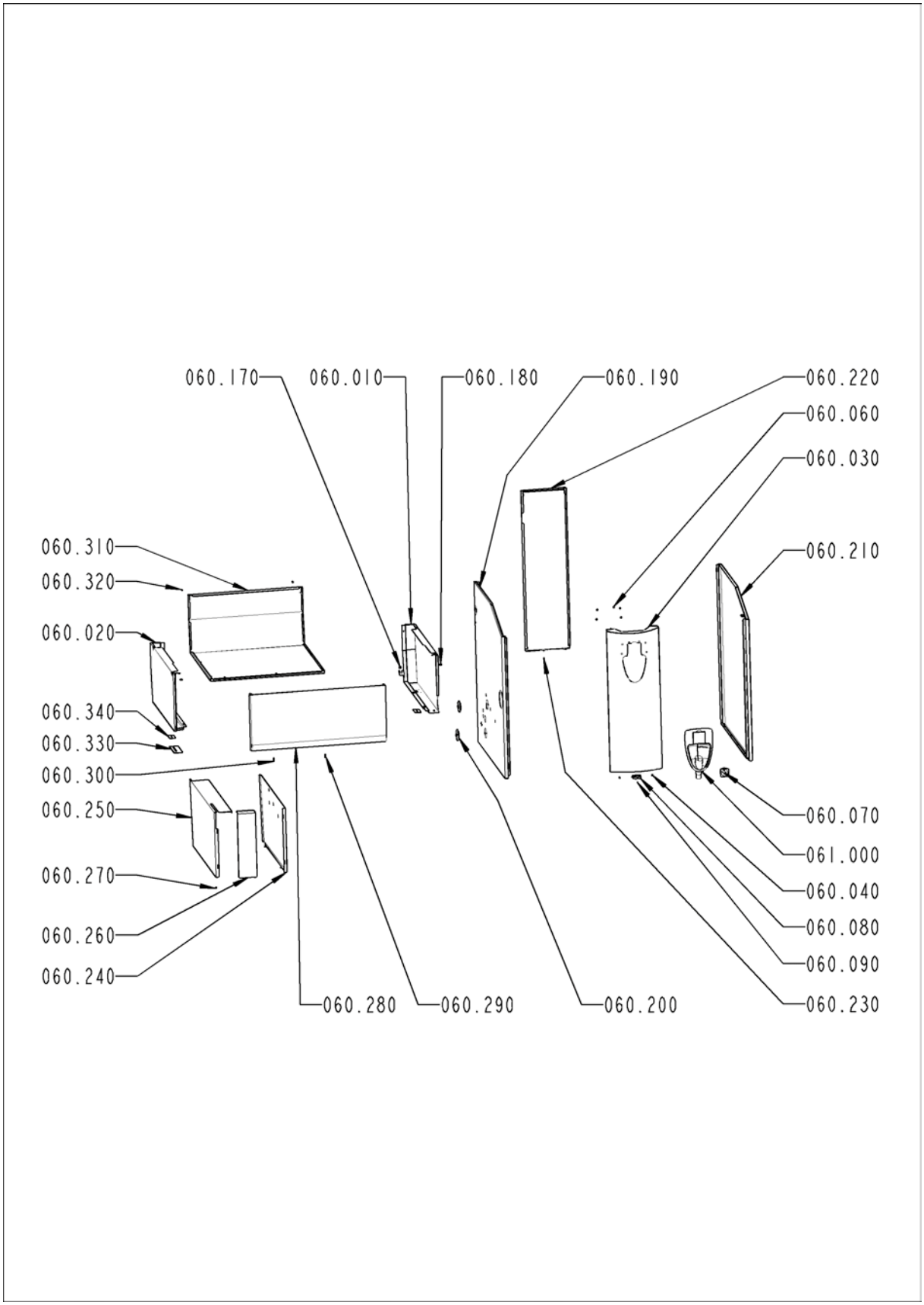
Contactor assembly



Contactor assembly

Pos.	Part no.	Description	Qty.
050.904	40.01.900	CableI/O A4 pcb X122	1
050.905	40.01.899	Cable I/O A4 pcb X121	1
050.908	40.01.919	Cable X46-X10	1
050.909	40.02.853	Cable I/O-A4 X117/X118/X119-SSR	1
050.912	40.01.898	Cable I/O A4 pcb X120	1
050.914	40.02.795	Cable X130 jack lid lock	1
050.918	40.02.445	Control harness X14-X112 211/311	1
050.919	40.01.907	Cable solenoide X19 01/05	1
050.921	40.02.444	Control harness X18 EVNO 211P/311P	1
050.922	40.02.249	Cable X24 left	1
050.925	40.02.802	Bus cable 0.2m RJ45	1
050.926	40.00.471	Bus cable 0.8m	1
050.928	40.03.652	Control harness	1
050.929	40.02.438	Control harness Input K1 311	3
050.930	40.03.115	Control harness Output K1 311	1
050.931	40.02.443	Control harness pressure switch 211P/311P	1

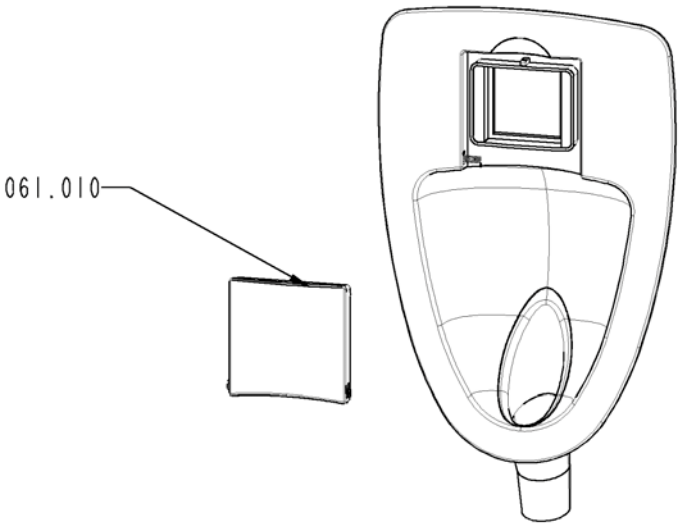
Exterior cabinet



Exterior cabinet

Pos.	Part no.	Description	Qty.
060.010	16.01.669	Right side panel of pan	1
060.020	16.01.450	Left side panel of pan	1
060.030	16.01.467	Front panel console	1
060.040	10.00.606	Allen screw M5x8 A2	2
060.060	1107.0101	Star lock ø5	6
060.070	40.02.405	Obturator of socket-outlet	1
060.080	16.00.329	Cover f. USB interface	1
060.090	10.00.103	EJOT PT-screw KA 3.5x10	1
060.100	40.00.470	Interface cable USB 1.5m	1
060.110	10.00.460	EJOT PT-Screw Torx 3,5x14	2
060.170	1106.0803	Hex combination nut M6 galv	2
060.180	1106.0803	Hex combination nut M6 galv	2
060.190	16.01.499	Side panel left for right frame	1
060.200	16.01.433	Gasket f. breather tube d=53mm	2
060.210	16.01.320	Side panel right for console	1
060.220	16.01.464	Back panel console	1
060.230	10.00.606	Allen screw M5x8 A2	1
060.240	12.00.781	Side panel right f. chassis left VCC 211/311	1
060.250	12.00.780	Side panel left f. chassis left VCC 211/311	1
060.260	12.00.945	Frontage left frame	1
060.270	10.00.606	Allen screw M5x8 A2	1
060.280	16.01.667	Front panel pan	1
060.290	10.00.610	Allen screw A2 M5X16	1
060.300	10.00.889	Allen screw A2 M5x20	1
060.310	16.01.454	Pan back panel	1
060.320	10.00.889	Allen screw A2 M5x20	2
060.330	20.01.448	Gasket for left side of pan	1
061.000	16.00.724	Tulip cpl.black RAL7021	1

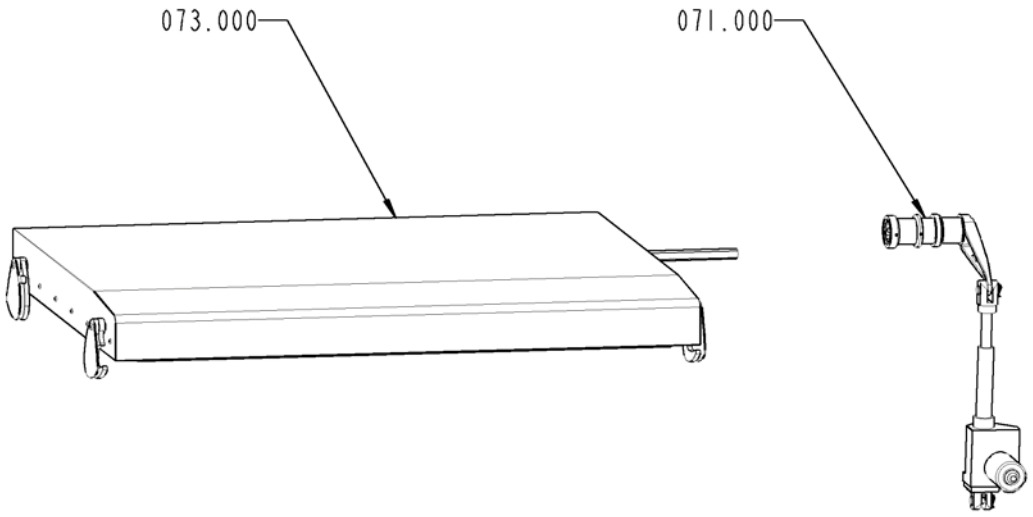
Tulip



Tulip

Pos.	Part no.	Description	Qty.
061.010	87.00.195	Socket cover for tulip black	1

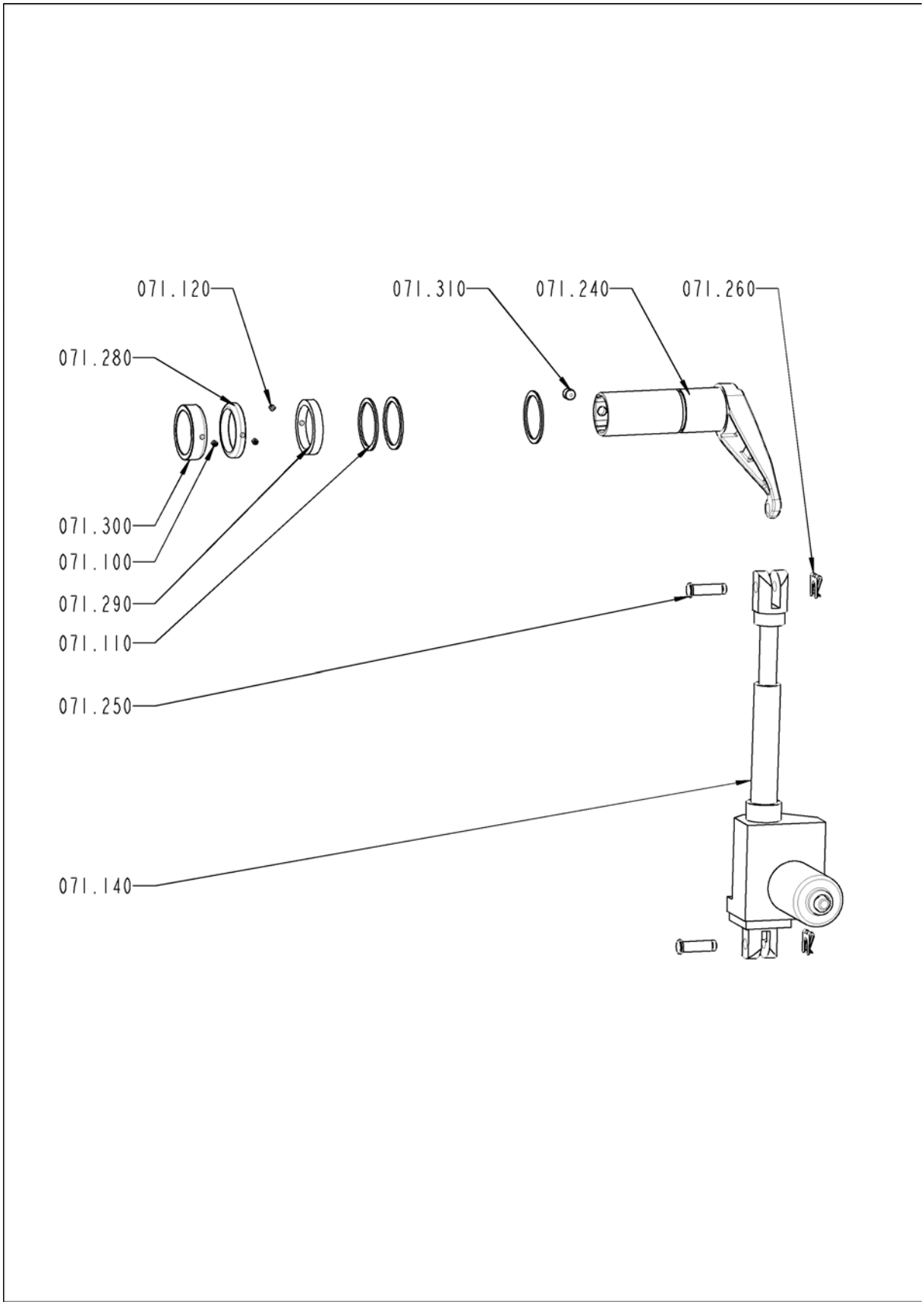
Lid



Lid

Pos.	Part no.	Description	Qty.
071.000		Shafting from lid	1
073.000		Lid left	1

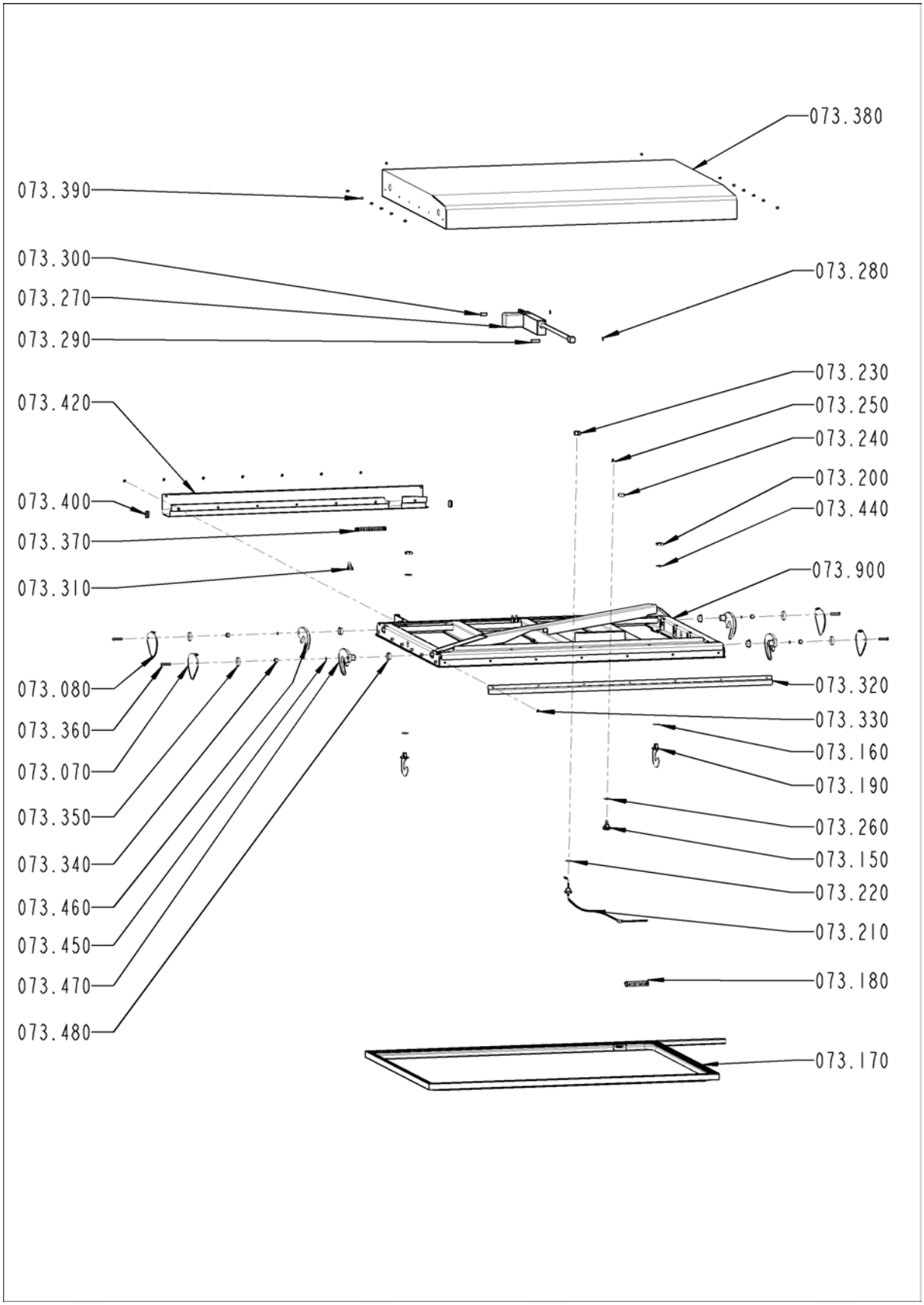
Shafting from lid



Shafting from lid

Pos.	Part no.	Description	Qty.
071.100	10.00.595	Hex socket set screw cup point A2_70 M6x6 Tuflok	2
071.110	24.00.756	Friction ring teflon right lid	2
071.120	10.00.595	Hex socket set screw cup point A2_70 M6x6 Tuflok	1
071.140	40.00.622	Lifting cylinder for lid LBM 14.21F	1
071.240	24.01.909	Shaft raising complete	1
071.250	24.00.760	Shaft hoist swing shaft	1
071.260	10.00.747	Securing device for bolt d=12	1
071.280	24.00.758	Roofing ring shaft raising	1
071.290	24.00.757	Stop ring shaft raising right	1
071.300	24.02.102	Roofing ring lid shaft	1
071.310	10.00.972	Conical screw STHC 12x12 A2 Din914 Tuflok	1

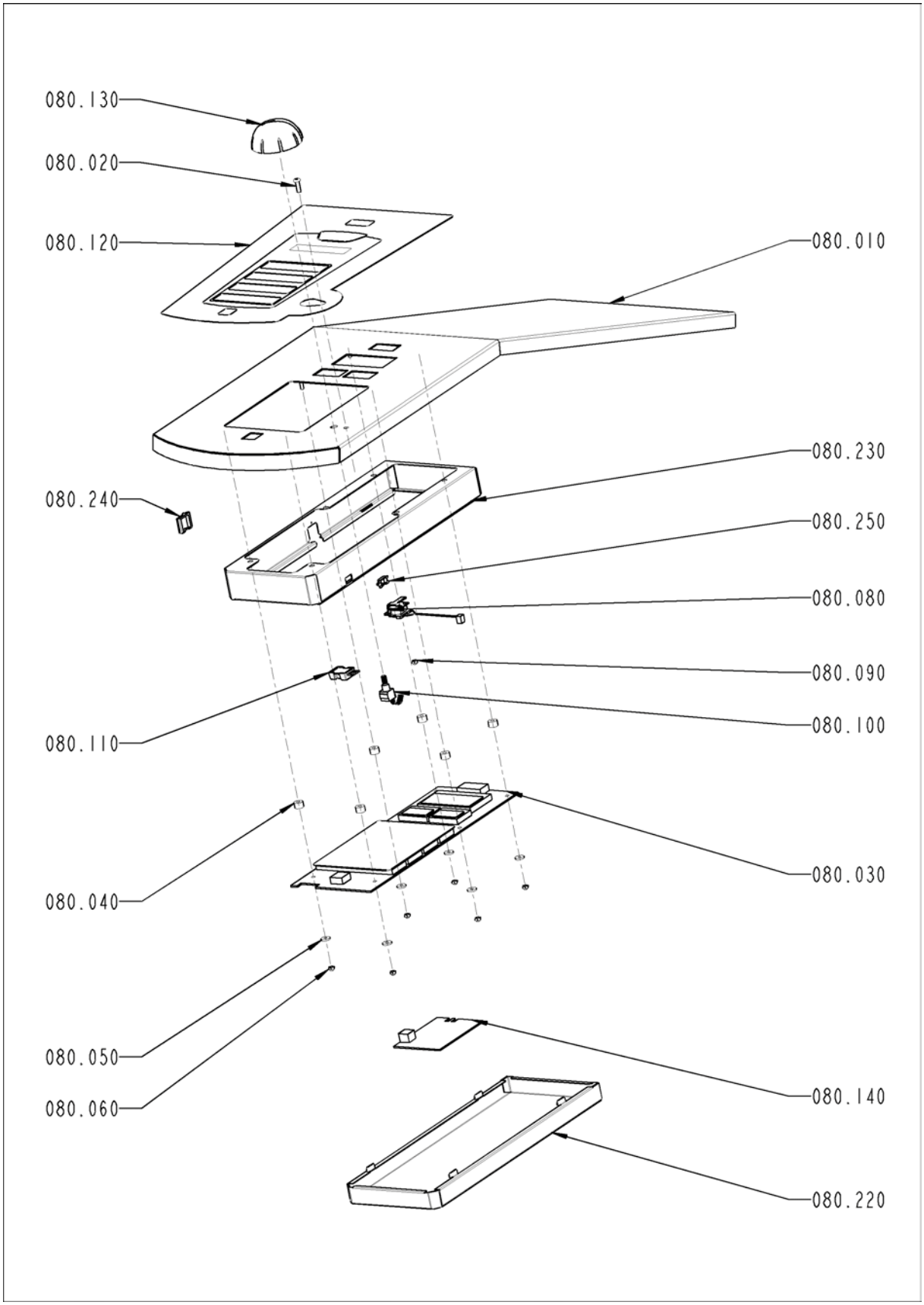
Lid left


073.380
073.390
073.300
073.270
073.290
073.280
073.230
073.420
073.250
073.240
073.200
073.400
073.440
073.370
073.900
073.310
073.080
073.320
073.360
073.330
073.160
073.070
073.190
073.350
073.260
073.340
073.150
073.460
073.220
073.450
073.210
073.470
073.180
073.480
073.170

Lid left

Pos.	Part no.	Description	Qty.
073.070	24.00.772	Cover left hook locking	2
073.080	24.00.771	Cover right hook locking	2
073.150	24.01.929	Cover for pressure connection	1
073.160	24.01.958	Gasket for pressure cover connection	2
073.170	24.01.397	Lid gasket 311	1
073.180	24.01.195	Maintenance arises bends joint lid	1
073.200	10.00.612	Hex nut M16 flat	2
073.210	24.01.122	Core temperature probe	1
073.220	20.00.680	O-ring 21x 1.5	1
073.230	24.01.329	Core temperature probe nut	1
073.240	24.01.957	Magnet for lid	1
073.250	24.01.930	Clip of cover for pressure connection	1
073.260	24.01.958	Gasket for pressure cover connection	1
073.270	24.00.776	Cylinder for the lid lock	1
073.280	10.00.748	Circlip f. bolt Ø10	2
073.290	24.00.765	Shaft front jack of the lid	1
073.300	24.00.767	Shaft back jack of the lid	1
073.310	50.00.713	Water nozzle	1
073.320	24.01.375	Fixing device for gasket, front	1
073.330	1105.0120	Hex nut M5	13
073.340	24.01.785	Lock hook spacer	4
073.350	24.00.778	Distance nut locking hook	4
073.360	10.00.848	Raised countersunk allen screw M6x30	4
073.370	50.00.617	Spring f. hose, water filling	1
073.380	24.01.542	Lid cover	1
073.390	10.00.606	Allen screw M5x8 A2	14
073.400	24.01.906	Obturator for lid	2
073.420	24.01.541	Hinge Cover	1
073.440	24.01.623	Washer DIN 6797 A2 Ø17	2
073.450	24.02.500	Washer PTFE Ø12 x 0.5	4
073.460	24.01.921	Lock hook front right/back left	2
073.470	24.01.920	Lock hook front left/back right	2
073.480	24.01.453	IGUS-Ring XFM 202311 IGLIDUR	8
073.900	24.02.054	Lid	1

Control panel



Control panel

Pos.	Part no.	Description	Qty.
080.010	16.01.392	Control panel w/o Vitro 211-311	1
080.011	87.00.112	Foam gasket	1
080.020	10.00.606	Allen screw M5x8 A2	1
080.030	42.00.002V	Control pcb	1
080.040	40.03.472	Distance bush PA H6,7x5,2 Ø10	6
080.050	1306.0218	Washer A4,3	6
080.060	1104.0121	Hex nut M4 self locking	6
080.080	40.02.087	Buzzer	1
080.090	1104.0121	Hex nut M4 self locking	1
080.100	40.00.404	Pulse generator	1
080.110	87.00.165	External memory flashed	1
080.120	16.00.864	Overlay VCC/E *FRIMA*	1
080.130	16.00.231	Dial f. pulse generator OEM, black-grey	1
080.220	16.01.904	Upper PCB protection	1
080.230	16.01.905	Lower PCB protection	1
080.240	40.03.412	Protection of cable 0.8-1.6	1
080.250	40.03.417	Protection of cable 0.8-1.1	1

Accessories

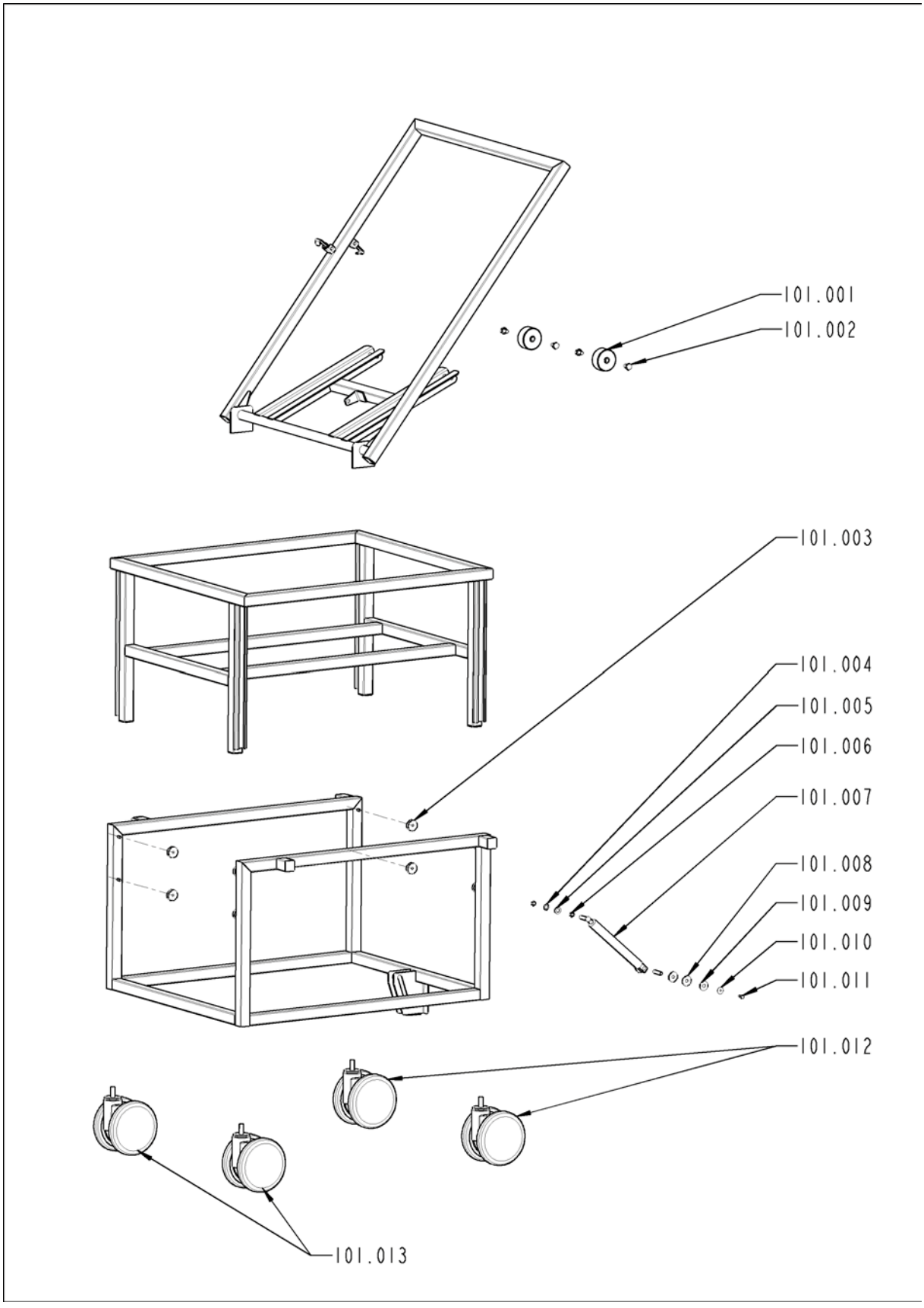





Accessories

Pos.	Part no.	Description	Qty.
101.000		Variomobil	1
102.000		Oil cart with heating system	1
103.000		Oil cart	1
104.000		Chef's table	1
105.000		Basket cart	1
106.000		Ultravent	1

Variomobil


101.001
101.002
101.003
101.004
101.005
101.006
101.007
101.008
101.009
101.010
101.011
101.012
101.013

Variomobil

Pos.	Part no.	Description	Qty.
101.001	60.71.138	Lifting roller	2
101.002	10.00.280	Screw HM 8x12 A2	4
101.003	60.70.131	Roller 25/6.5 HM5 stainless steel	8
101.004	1208.0160V	Tooth lock washer A8,4	1
101.005	1308.0160V	Washer A8,4	1
101.006	1108.0260V	Hex nut M8	1
101.007	40.00.631	Gas cylinder 350N	1
101.008	10.00.186	Washer broad LL6	4
101.009	1308.0161V	Washer A8,4	2
101.010	1305.0160	Washer A5,3x10mm	2
101.011	1008.0752	Hex screw M5x10	2
101.012	60.60.100	Castor with brake ø125mm	2
101.013	60.60.101	Castor without brake ø125mm	2

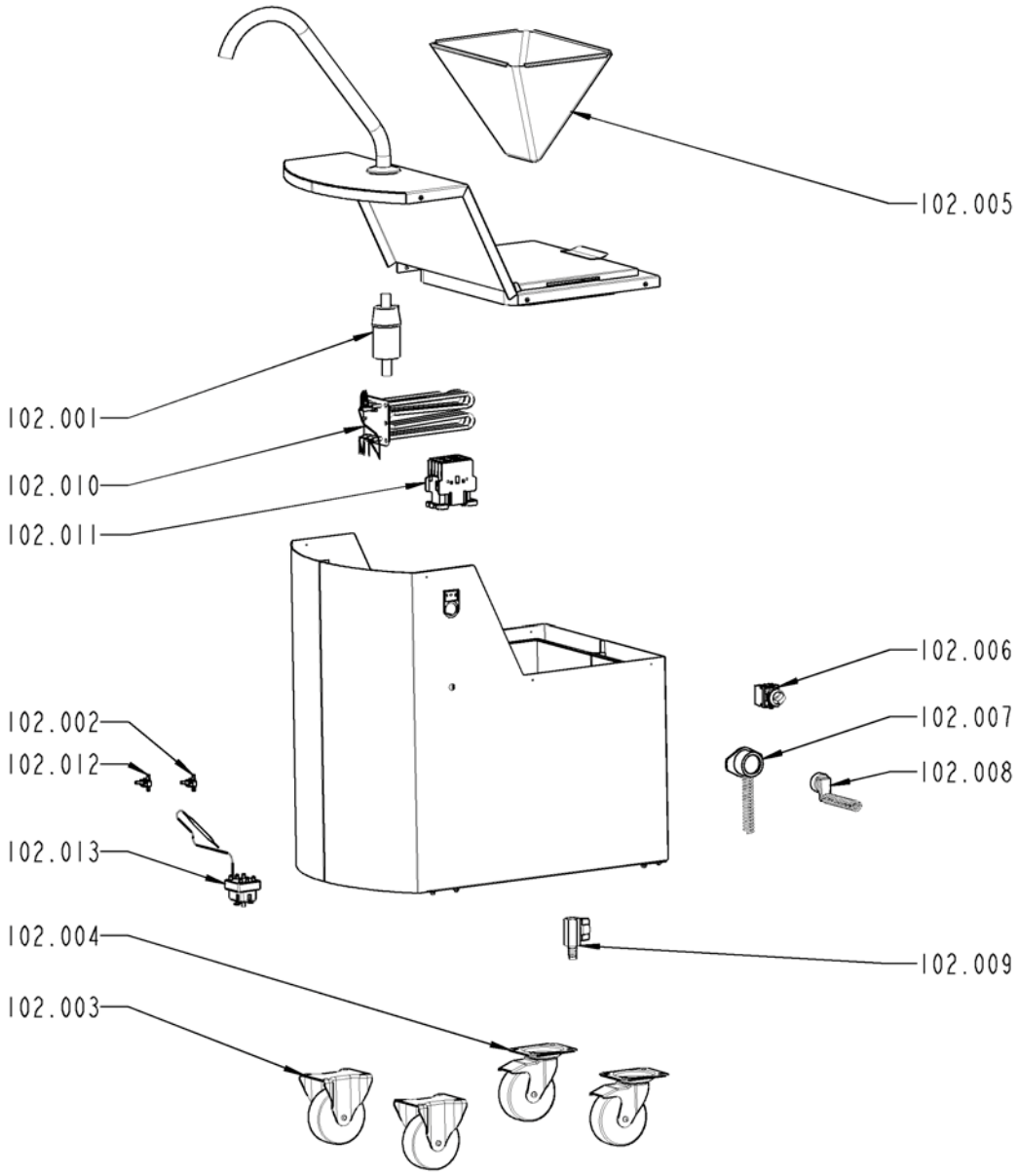
Oil cart with heating system



Oil cart with heating system

Pos.	Part no.	Description	Qty.
1		Oil cart with heating system as of 01/2005 up to 03/2009	1
2		Oil cart with heating system as of 04/2009 up to 04/2012	1
3		Oil cart with heating system as of 05/2012 up to 12/2016	1
4		Oil cart with heating system as of 12/2016	1

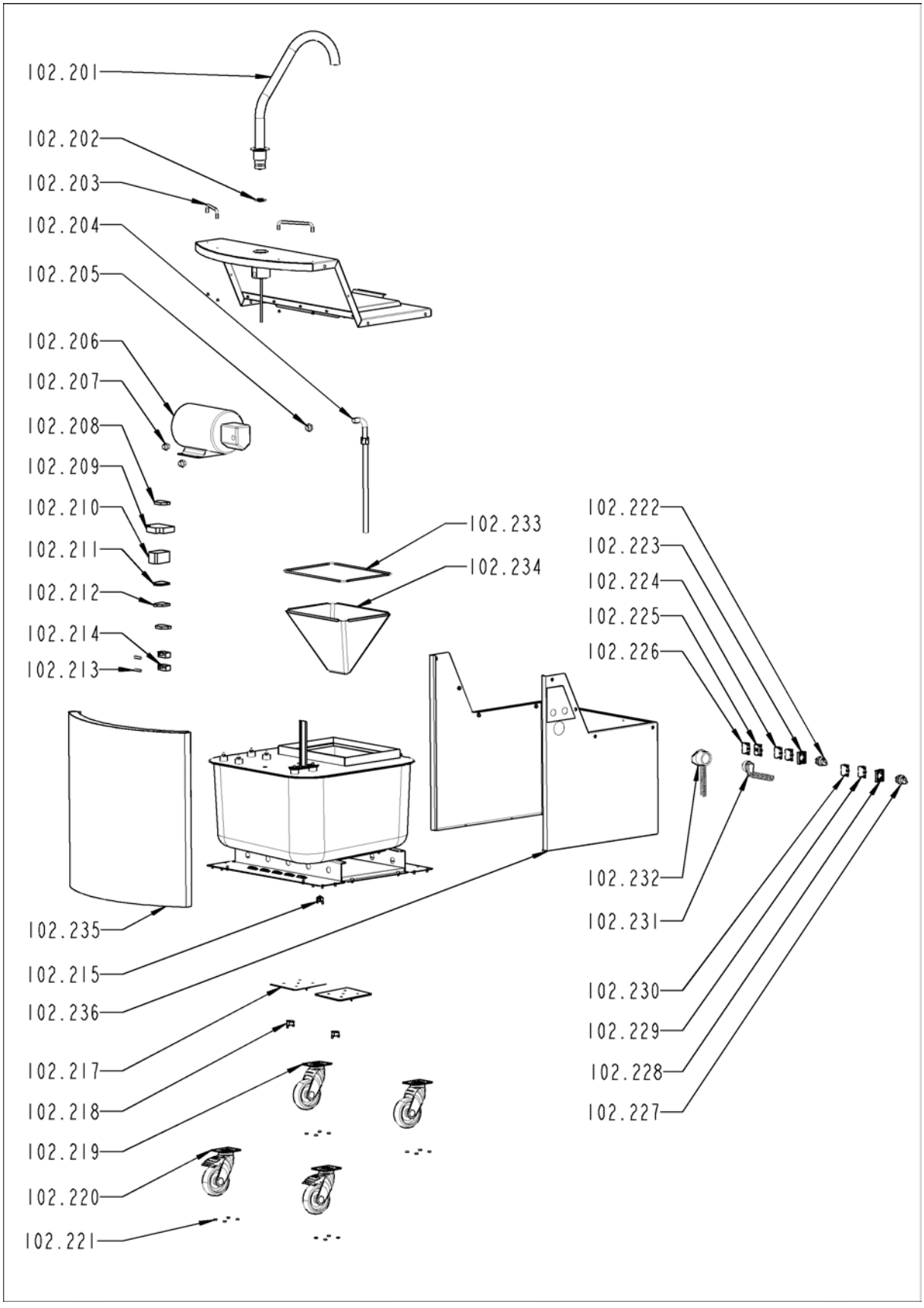
Oil cart with heating system as of 01/2005 up to 03/2009



Oil cart with heating system as of 01/2005 up to 03/2009

Pos.	Part no.	Description	Qty.
102.001	87.00.192	Pump for oil collector	1
102.002	87.00.246	Thermostat 75°C Pump oil trolley	1
102.003	60.70.626	Castor without brake	2
102.004	60.70.627	Castor with brake	2
102.005	60.71.599	Oil filter	1
102.006	82.00.269	3 Position switch complete	1
102.007	82.00.264	Support of socket-outlet	1
102.008	82.00.263	Spiral cable	1
102.009	82.00.271	Drain valve	1
102.010	87.00.237	Heat element oil troley VCC	1
102.011	87.00.282	Contactor	1
102.012	87.00.245	Thermostat 50°C heating Oil carriage	1
102.013	40.02.337	Safety temperature limiter 215°C	1
102.014	82.00.617	Insulation set for oil cart	1

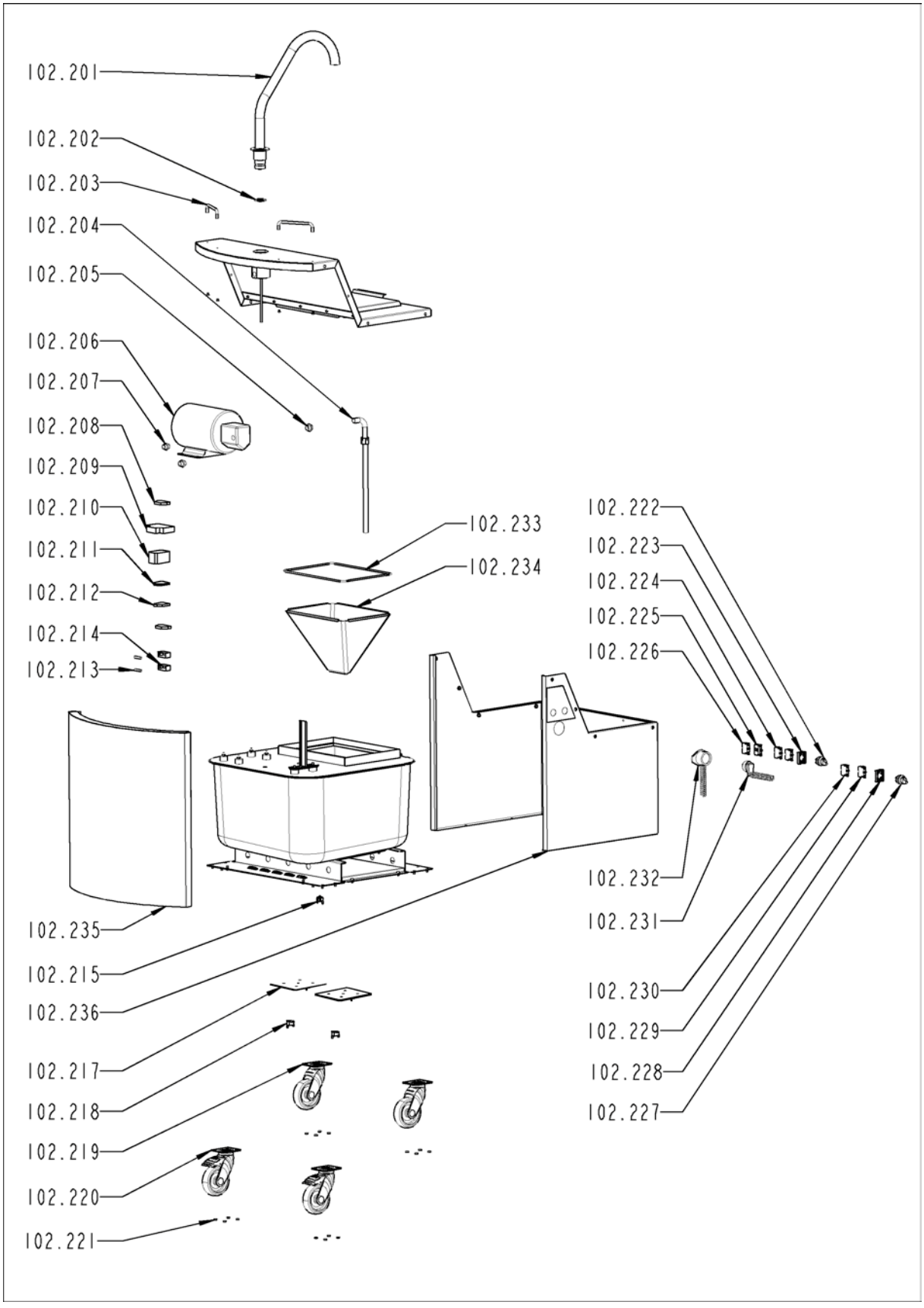
Oil cart with heating system as of 04/2009 up to 04/2012



Oil cart with heating system as of 04/2009 up to 04/2012

Pos.	Part no.	Description	Qty.
102.200	82.00.674P	Filling pipe for 100mm extension	1
102.201	82.00.247	Kit filling pipe	1
102.202	82.00.240	O-ring 34x3	1
102.203	82.00.232	Handle	2
102.204	82.00.246	Suction pipe complete	1
102.205	82.00.268	Hex nipple M3/8"-F1/4"	1
102.206	82.00.235	Kit pump	1
102.207	82.00.243	Hex double nipple G 3/8"	2
102.208	82.00.250	End plate for mounting rail	2
102.209	82.00.254	Timing relay	1
102.210	40.02.917	Contactor 3TG1010-2AK2	1
102.211	82.00.248	Terminal block 4mm²	1
102.212	82.00.249	Terminal block 4mm² blue	1
102.213	4001.0226V	Fuse 6.35x32mm 16A, time-lag	2
102.214	82.00.251	Fuse holder	2
102.215	40.02.337	Safety temperature limiter 215°C	1
102.217	82.00.265	Kit heating element	1
102.218	82.00.261	Klixon 240°	2
102.219	82.00.230	Castor without brake	2
102.220	82.00.231	Castor with brake	2
102.221	1105.0121V	Hex combination nut M5 galv	16
102.222	82.00.255	Selector 2 positions lighted	1
102.223	82.00.257	Adaptator for contact element	1
102.224	82.00.259	Contact NC	1
102.225	82.00.258	Contact NO	2
102.226	82.00.260	Blue Led indicator	1
102.227	82.00.256	Selector 3 positions spring return	1
102.228	82.00.257	Adaptator for contact element	1
102.229	82.00.259	Contact NC	1
102.230	82.00.258	Contact NO	1
102.231	82.00.263	Spiral cable	1
102.232	82.00.264	Support of socket-outlet	1
102.233	60.71.850	Support of oil filter	1
102.234	60.71.599	Oil filter	1
102.235	82.00.288	Round panel	1
102.236	82.00.289	External panel	1

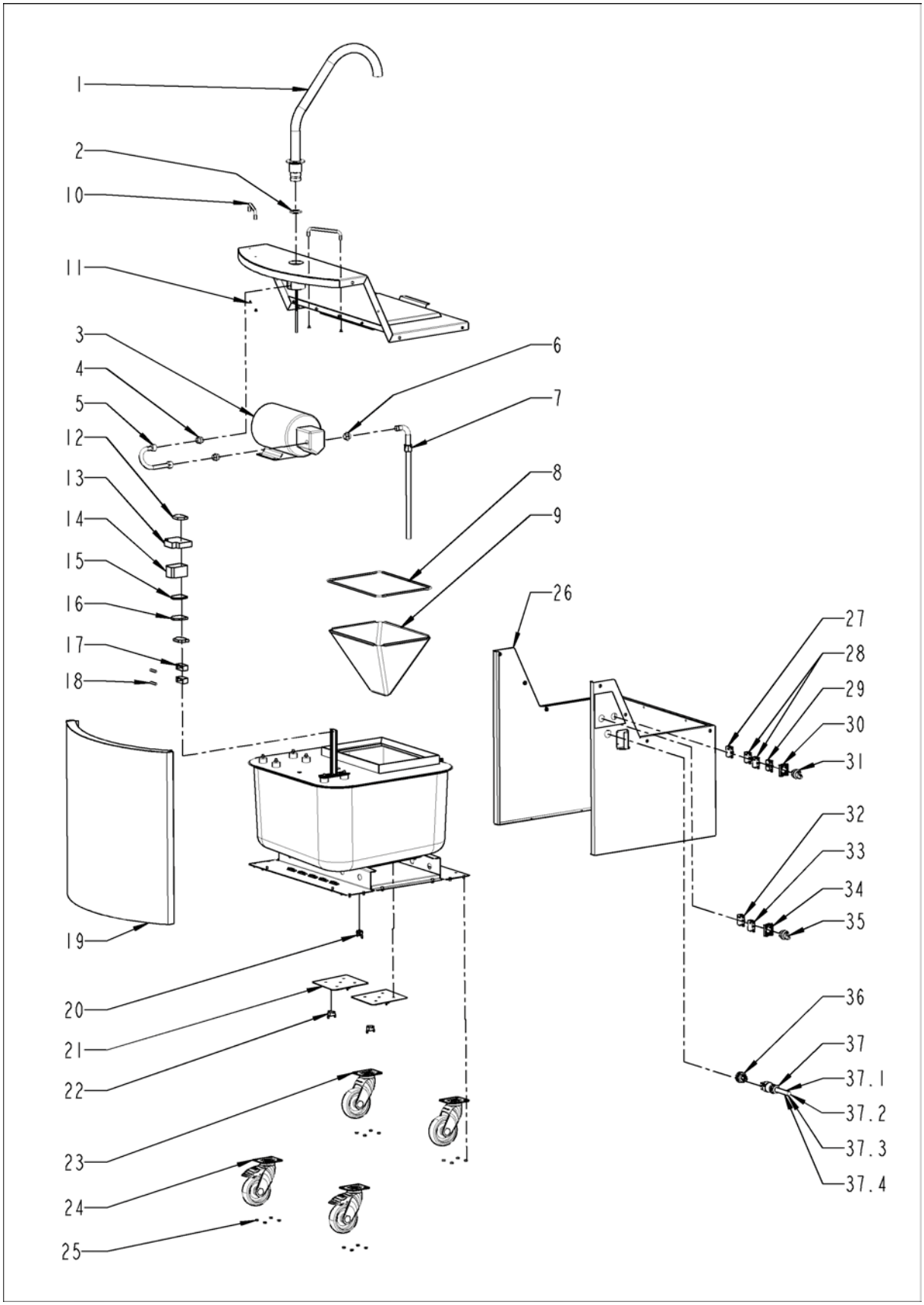
Oil cart with heating system as of 04/2009 up to 04/2012



Oil cart with heating system as of 04/2009 up to 04/2012

Pos.	Part no.	Description	Qty.
102.240	82.00.617	Insulation set for oil cart	1

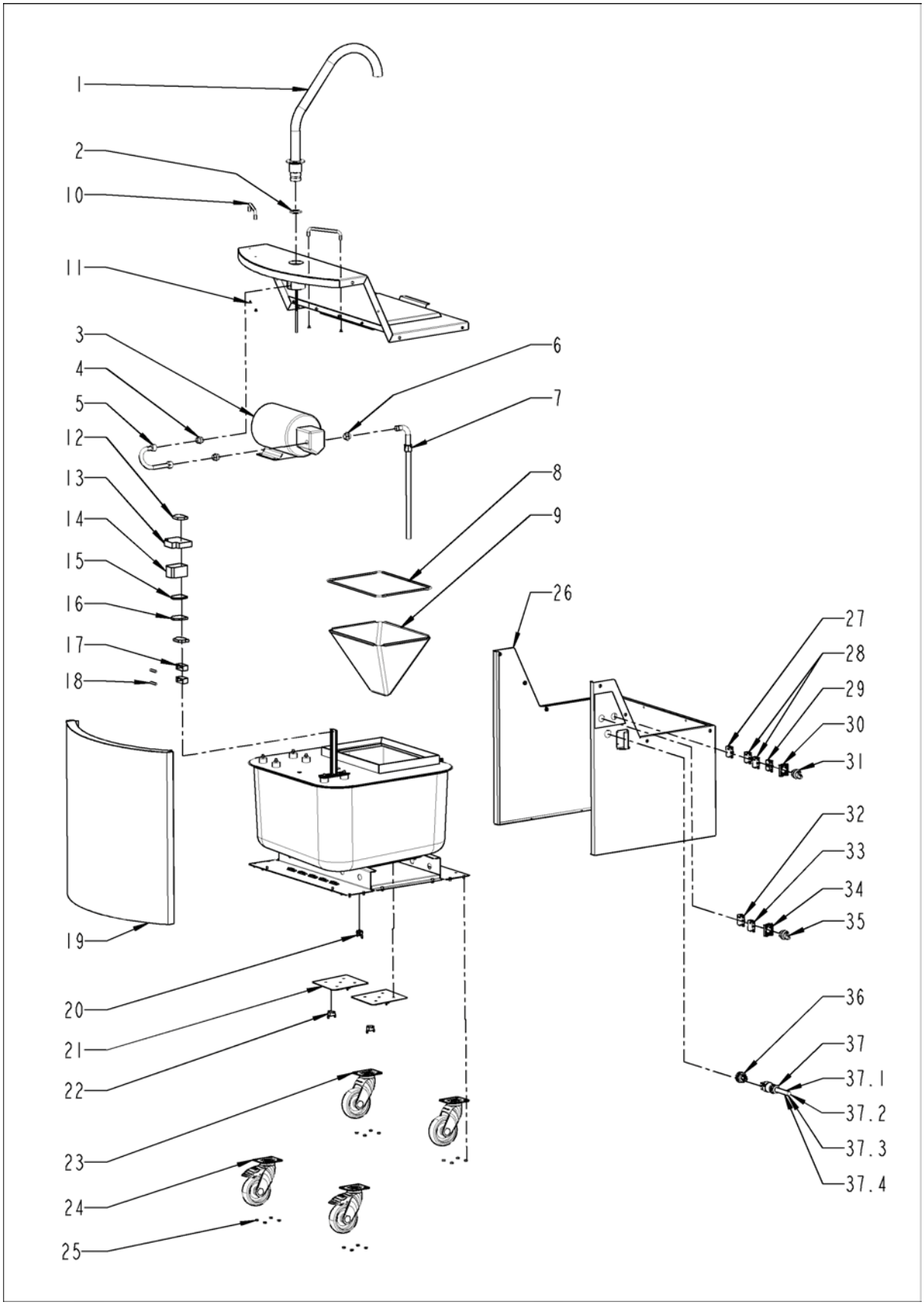
Oil cart with heating system as of 05/2012 up to 12/2016



Oil cart with heating system as of 05/2012 up to 12/2016

Pos.	Part no.	Description	Qty.
1	82.00.247	Kit filling pipe	1
1.01	82.00.674P	Filling pipe for 100mm extension	1
2	82.00.240	O-ring 34x3	1
3	82.00.235	Kit pump	1
4	82.00.243	Hex double nipple G 3/8"	2
5	82.00.291	Flexible pipe 350mm for oil troley	1
6	82.00.268	Hex nipple M3/8"-F1/4"	1
7	82.00.246	Suction pipe complete	1
8	60.71.850	Support of oil filter	1
9	60.71.599	Oil filter	1
10	2610.400279F	Handle	1
11	1004.0665F	Allen screw M4x6	2
12	82.00.250	End plate for mounting rail	2
13	82.00.254	Timing relay	1
14	40.02.917	Contactor 3TG1010-2AK2	1
15	82.00.248	Terminal block 4mm²	1
16	82.00.249	Terminal block 4mm² blue	1
17	82.00.251	Fuse holder	2
18	4001.0226V	Fuse 6.35x32mm 16A, time-lag	2
19	82.00.288	Round panel	1
20	40.02.337	Safety temperature limiter 215°C	1
21	82.00.265	Kit heating element	1
22	82.00.261	Klixon 240°	2
23	82.00.230	Castor without brake	2
24	82.00.231	Castor with brake	2
25	1105.0121V	Hex combination nut M5 galv	16
26	82.00.289	External panel	1
27	82.00.259	Contact NC	1
28	82.00.258	Contact NO	2
29	82.00.260	Blue Led indicator	1
30	82.00.257	Adaptator for contact element	1
31	82.00.255	Selector 2 positions lighted	1
32	82.00.258	Contact NO	1
33	82.00.259	Contact NC	1
34	82.00.257	Adaptator for contact element	1
35	82.00.256	Selector 3 positions spring return	1

Oil cart with heating system as of 05/2012 up to 12/2016



Oil cart with heating system as of 05/2012 up to 12/2016

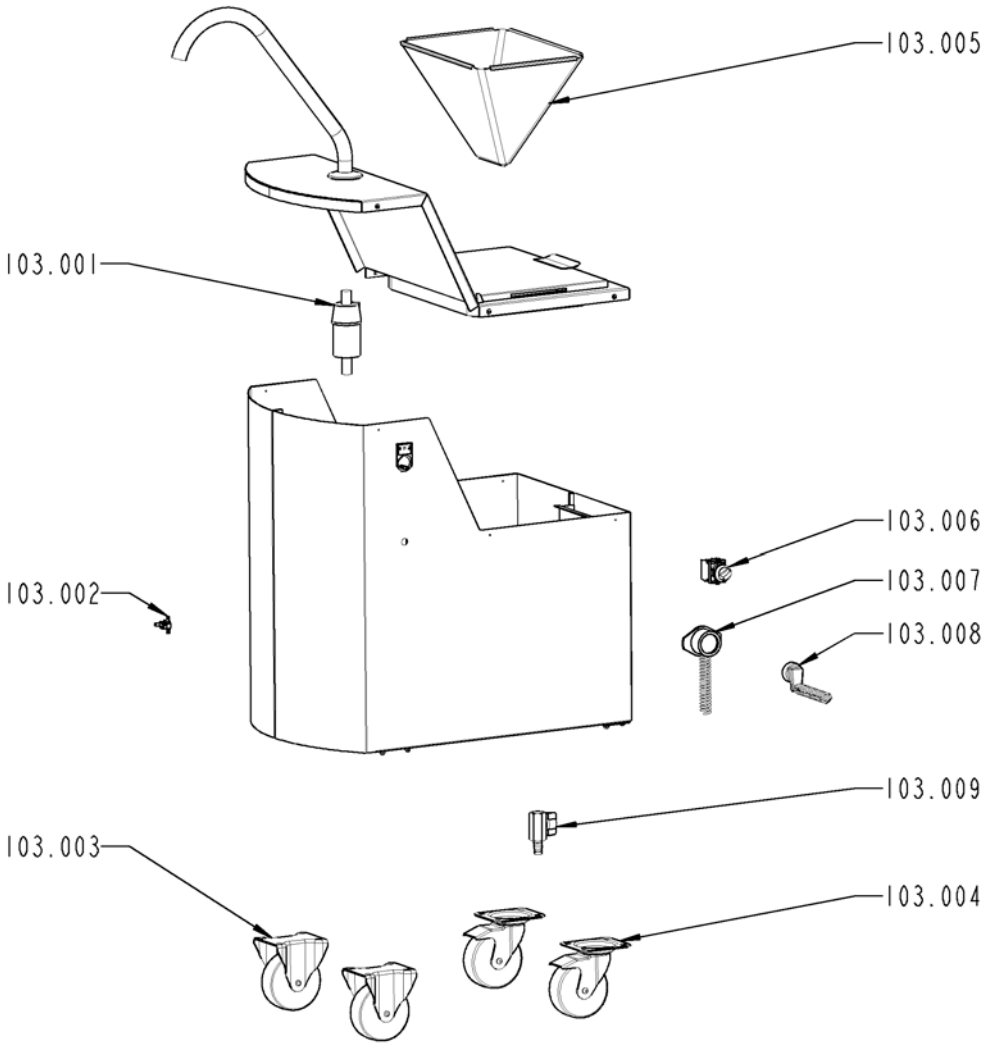
Pos.	Part no.	Description	Qty.
36	82.00.300	Connector for socket-outlet	1
37	40.04.518	Spiral cable FR/DE	1
37.1	40.04.519	Spiral cable UK	1
37.2	40.04.520	Spiral cable CH	1
37.3	40.04.522	Spiral cable AUS	1
37.4	40.04.521	Spiral cable DK	1
38	82.00.617	Insulation set for oil cart	1
42	82.00.363	Overlay FRIMA oil cart	1
42.1	60.74.940	Overlay RATIONAL oil cart	1
42.2	82.00.234	Overlay OEM oil cart	1
43	40.03.330P	Cable grommet Ø16	1
44	40.03.331P	Cable grommet Ø10	1

Oil cart with heating system as of 12/2016

Oil cart with heating system as of 12/2016

Pos.	Part no.	Description	Qty.
1.01	82.00.674P	Filling pipe for 100mm extension	1
41	82.00.617	Insulation set for oil cart	1
43	40.03.330P	Cable grommet Ø16	1
44	40.03.331P	Cable grommet Ø10	1

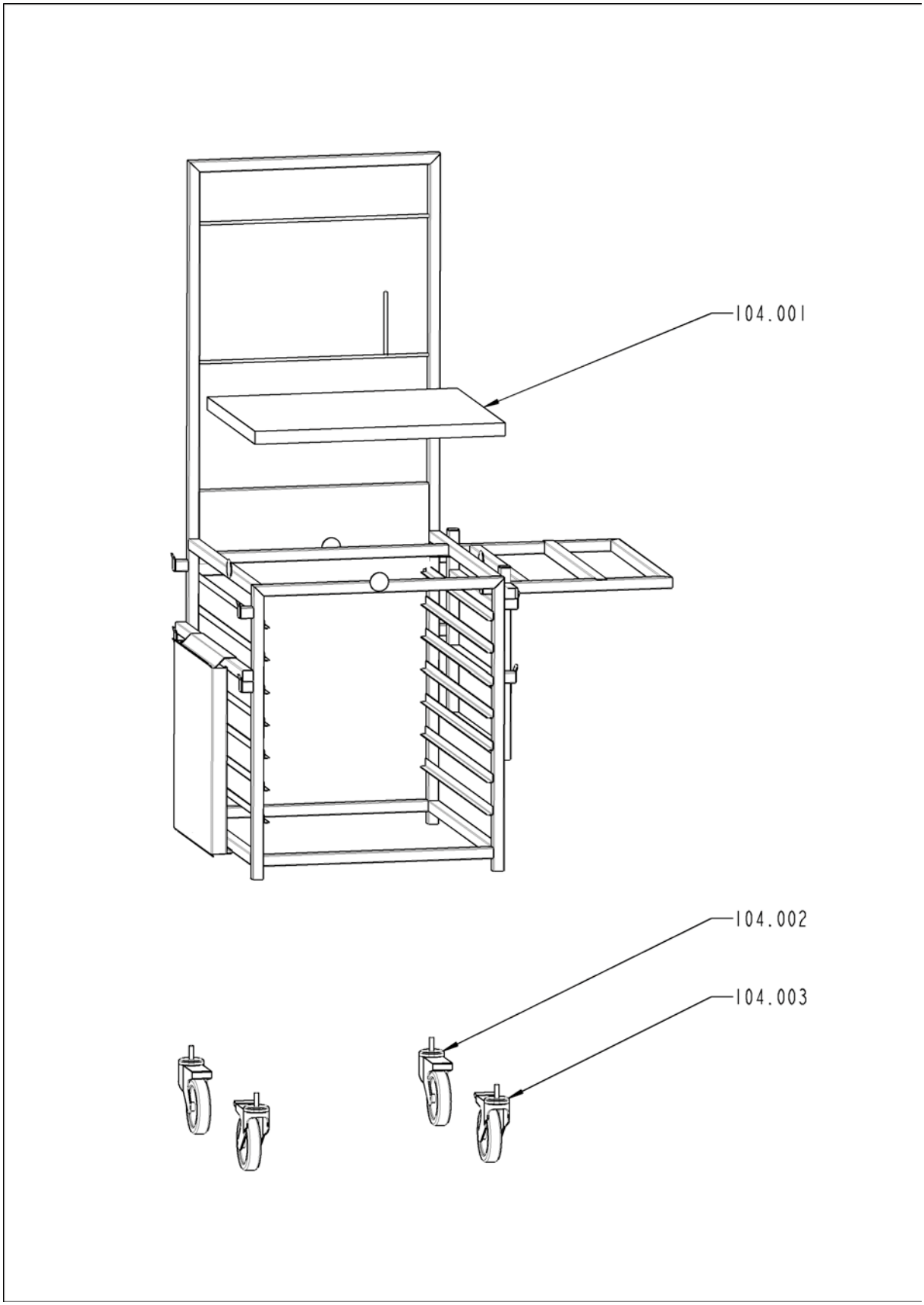
Oil cart


103.005
103.001
103.006
103.007
103.002
103.008
103.009
103.003
103.004

Oil cart

Pos.	Part no.	Description	Qty.
103.001	87.00.192	Pump for oil collector	1
103.002	87.00.246	Thermostat 75°C Pump oil trolley	1
103.003	60.70.626	Castor without brake	2
103.004	60.70.627	Castor with brake	2
103.005	60.71.599	Oil filter	1
103.006	82.00.270	2 Position switch complete	1
103.007	82.00.264	Support of socket-outlet	1
103.008	82.00.263	Spiral cable	1
103.009	82.00.271	Drain valve	1

Chef's table



Chef's table

Pos.	Part no.	Description	Qty.
104.001	91.00.023	Plate polyethylene 587x493x30	1
104.002	60.71.147	Castor without brake ø125mm, screw M12	2
104.003	60.71.146	Castor with brake ø125mm, screw M12	2

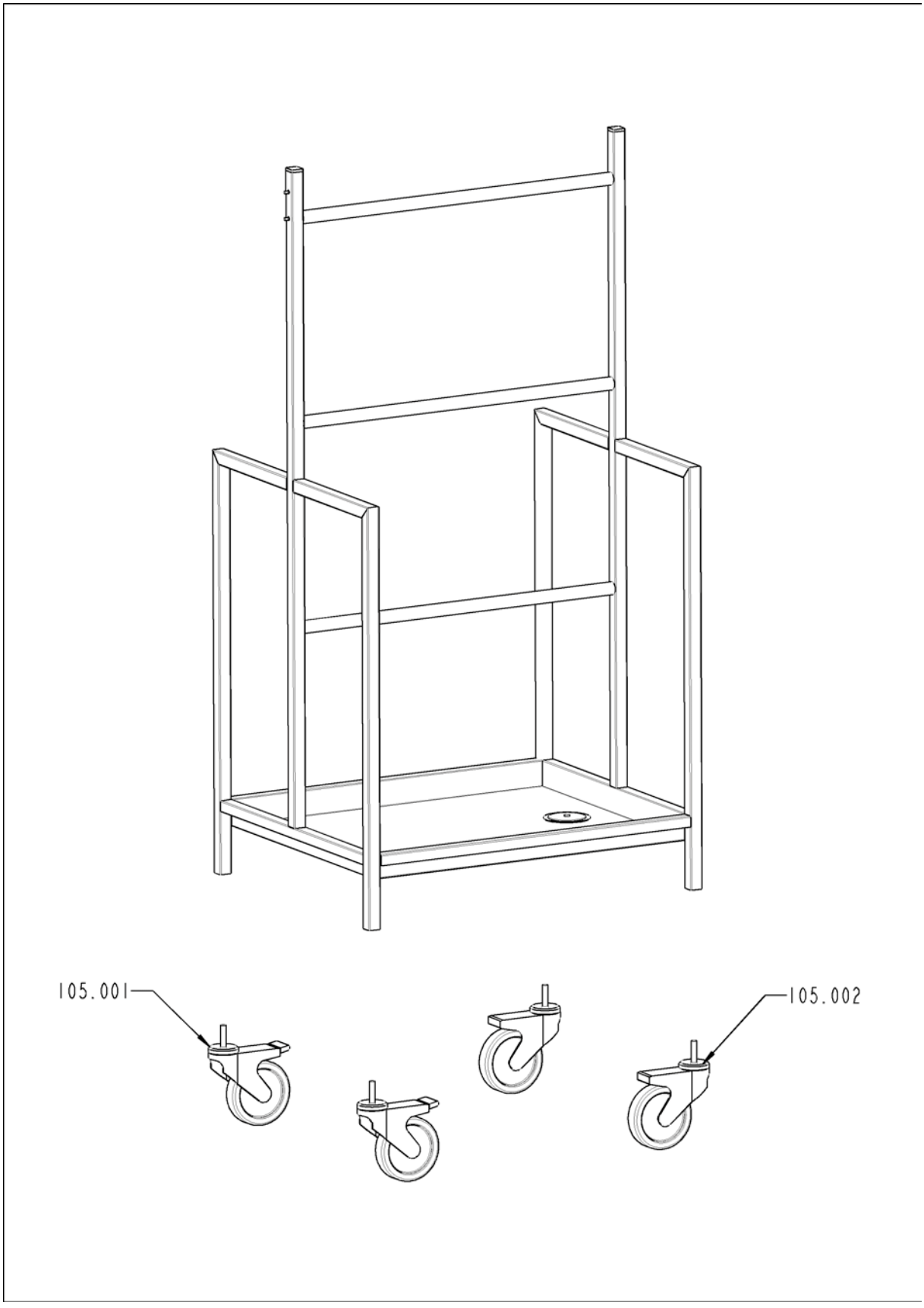
Basket cart



Basket cart

Pos.	Part no.	Description	Qty.
1		Basket cart up to 01.2016 (60.70.108)	1
2		Basket cart as of 02.2016 (60.73.612)	1

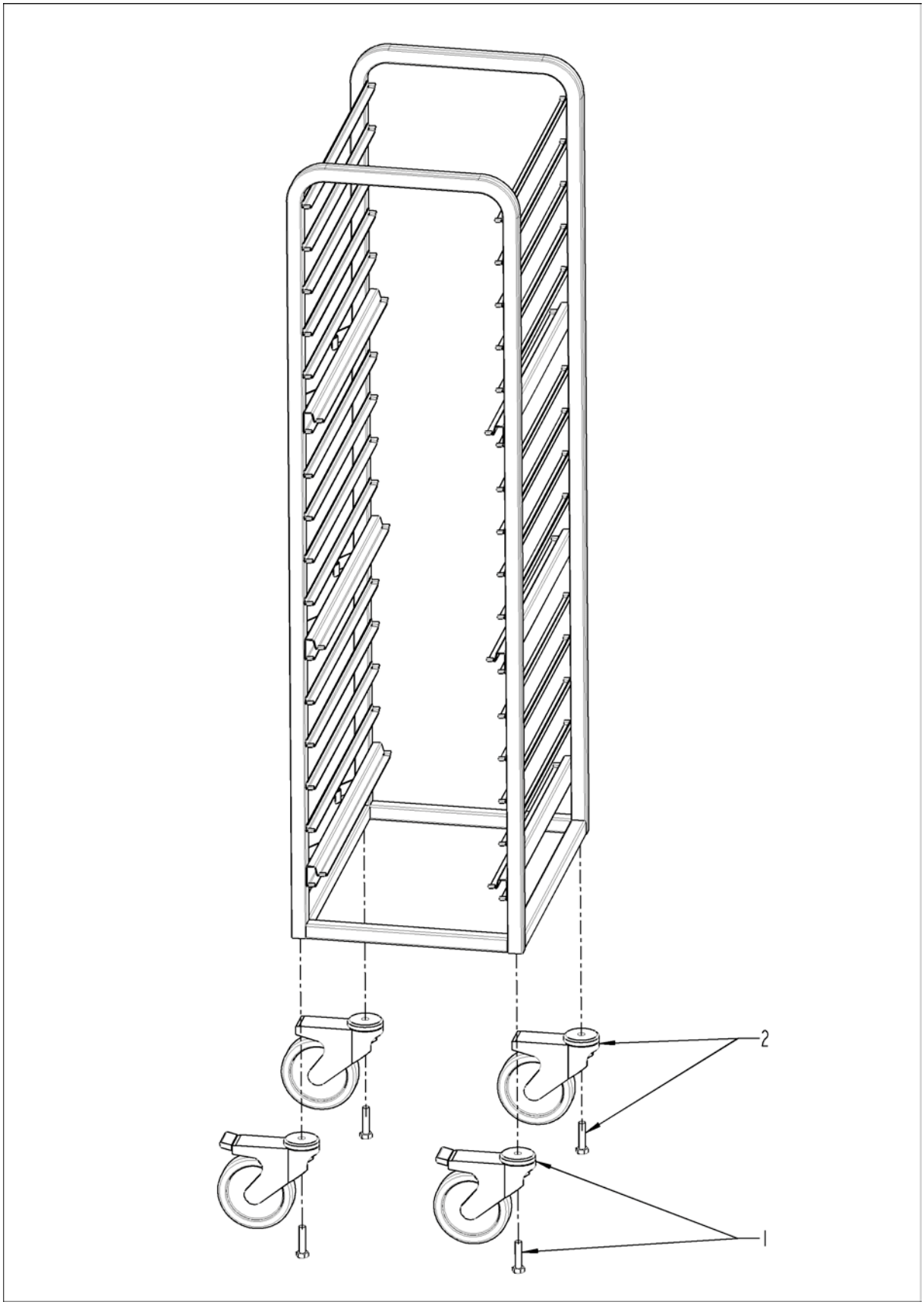
Basket cart up to 01.2016 (60.70.108)



Basket cart up to 01.2016 (60.70.108)

Pos.	Part no.	Description	Qty.
105.001	60.71.146	Castor with brake ø125mm, screw M12	2
105.002	60.71.147	Castor without brake ø125mm, screw M12	2

Basket cart as of 02.2016 (60.73.612)



Basket cart as of 02.2016 (60.73.612)

Pos.	Part no.	Description	Qty.
1	60.71.146	Castor with brake ø125mm, screw M12	2
2	60.71.147	Castor without brake ø125mm, screw M12	2

VarioCooking Center® 311 - 59 dm², 150 L+
E31PG1010

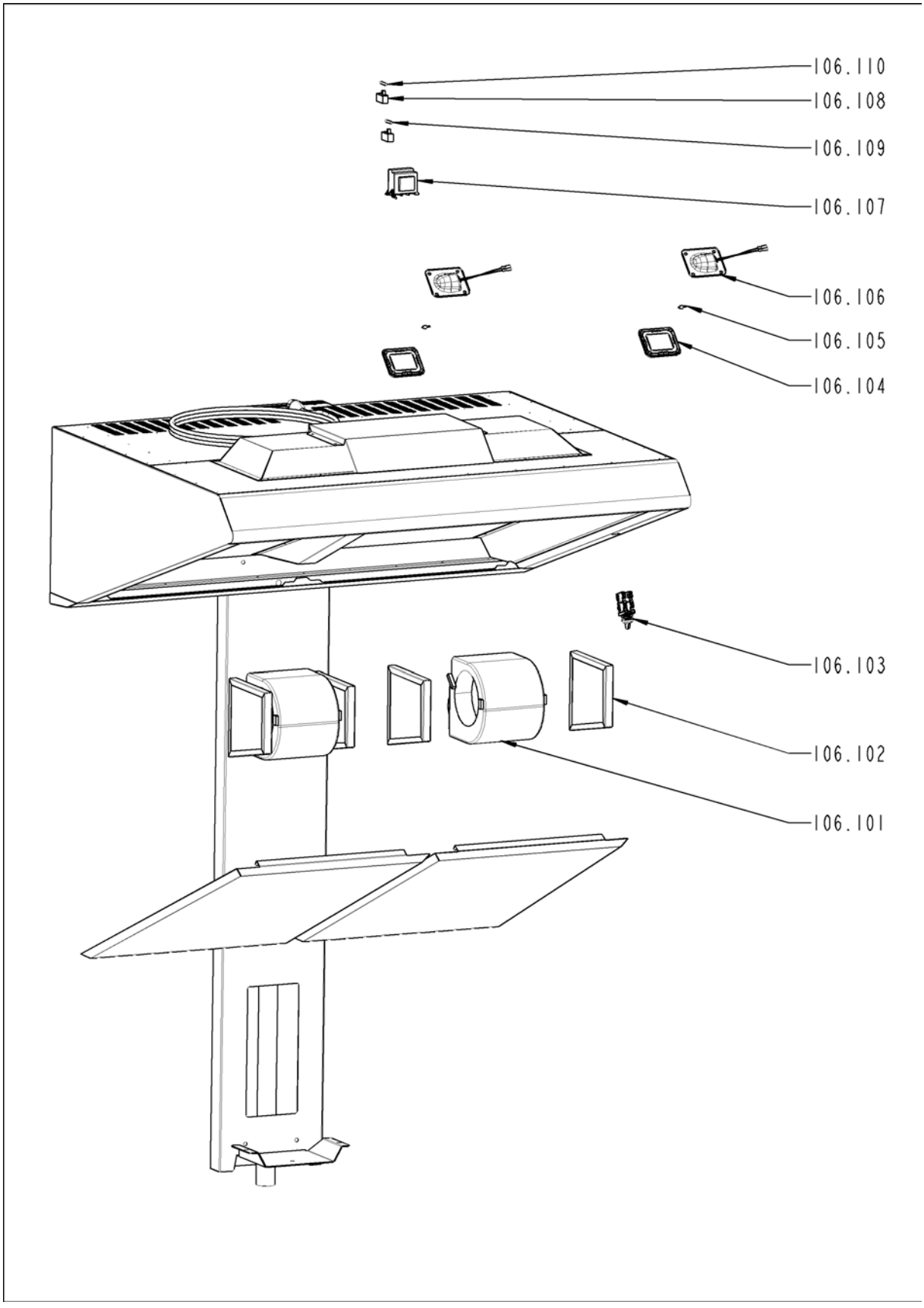
Ultravent



Ultravent

Pos.	Part no.	Description	Qty.
106.100		Ultravent 111-112	1
106.200		Ultravent 211	1
106.300		Ultravent 311	1

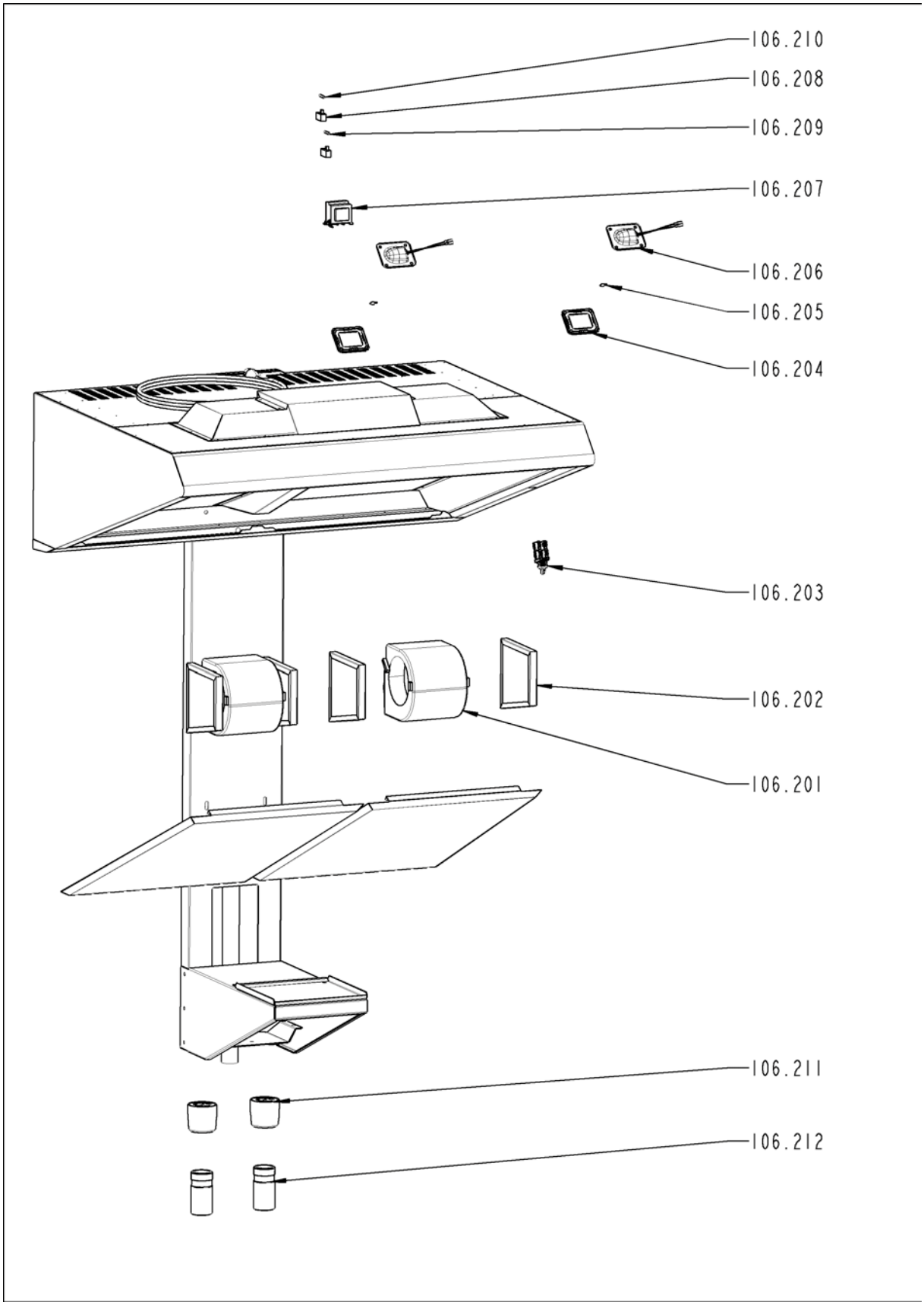
Ultravent 111-112



Ultravent 111-112

Pos.	Part no.	Description	Qty.
106.101	82.00.323	Blower motor for Ultravent with support	3
106.102	87.00.358	Filter grease for engine	6
106.103	82.00.273	Selector Ultravent	1
106.104	40.00.091V	Gasket frame w. glass a. gaskets	2
106.105	3024.0201V	Halogen bulb 300°C	2
106.106	40.00.098V	Reflector f. interior light	2
106.107	3037.0204V	Halogen transformer	1
106.108	82.00.274	Fuse holder Ultravent	2
106.109	3019.0122V	Fuse 5x20mm 250V 6,3A MT	1
106.110	3019.0135V	Fuse 5x20mm 250V 0,315A	1

Ultravent 211



Ultravent 211

Pos.	Part no.	Description	Qty.
106.201	82.00.323	Blower motor for Ultravent with support	3
106.202	87.00.358	Filter grease for engine	6
106.203	82.00.273	Selector Ultravent	1
106.204	40.00.091V	Gasket frame w. glass a. gaskets	2
106.205	3024.0201V	Halogen bulb 300°C	2
106.206	40.00.098V	Reflector f. interior light	2
106.207	3037.0204V	Halogen transformer	1
106.208	82.00.274	Fuse holder Ultravent	2
106.209	3019.0122V	Fuse 5x20mm 250V 6,3A MT	1
106.210	3019.0135V	Fuse 5x20mm 250V 0,315A	1
106.211	12.00.205V	Upper part of pedestal	4
106.212	12.00.224V	Lower part of pedestal 110mm	4

Ultravent 311

Ultravent 311

Pos.	Part no.	Description	Qty.
106.201	82.00.323	Blower motor for Ultravent with support	3
106.202	87.00.358	Filter grease for engine	6
106.203	82.00.273	Selector Ultravent	1
106.204	40.00.091V	Gasket frame w. glass a. gaskets	2
106.205	3024.0201V	Halogen bulb 300°C	2
106.206	40.00.098V	Reflector f. interior light	2
106.207	3037.0204V	Halogen transformer	1
106.208	82.00.274	Fuse holder Ultravent	2
106.209	3019.0122V	Fuse 5x20mm 250V 6,3A MT	1
106.210	3019.0135V	Fuse 5x20mm 250V 0,315A	1
106.211	12.00.205V	Upper part of pedestal	4
106.212	12.00.224V	Lower part of pedestal 110mm	4

Index

Part no.	Description	Page
82.00.270	2 Position switch complete	61
82.00.269	3 Position switch complete	49
82.00.257	Adaptator for contact element	51, 55
10.00.610	Allen screw A2 M5X16	31
10.00.889	Allen screw A2 M5x20	31
1004.0665F	Allen screw M4x6	55
1004.0663	Allen screw M4x12	13
1004.0662	Allen screw M4x25	27
10.00.606	Allen screw M5x8 A2	31, 39, 41
1005.0663	Allen screw M5x10	27
40.02.641	Auxilliary contact B&J HN10 N/O	27
16.01.464	Back panel console	31
82.00.323	Blower motor for Ultravent with support	73, 75, 77
82.00.260	Blue Led indicator	51, 55
40.02.802	Bus cable 0.2m RJ45	29
40.00.471	Bus cable 0.8m	29
40.02.087	Buzzer	41
40.01.919	Cable X46-X10	29
10.00.111	Cable clip long	5, 27
40.03.331P	Cable grommet Ø10	57, 59
40.03.330P	Cable grommet Ø16	57, 59
40.01.898	Cable I/O A4 pcb X120	29
40.01.899	Cable I/O A4 pcb X121	29
40.02.853	Cable I/O-A4 X117/X118/X119-SSR	29
40.01.907	Cable solenoide X19 01/05	29
40.02.249	Cable X24 left	29
40.02.795	Cable X130 jack lid lock	29
40.01.900	CableI/O A4 pcb X122	29
60.70.627	Castor with brake	49, 61
82.00.231	Castor with brake	51, 55
60.60.100	Castor with brake ø125mm	45
60.71.146	Castor with brake ø125mm, screw M12	63, 67, 69

Index

Part no.	Description	Page
60.70.626	Castor without brake	49, 61
82.00.230	Castor without brake	51, 55
60.60.101	Castor without brake ø125mm	45
60.71.147	Castor without brake ø125mm, screw M12	63, 67, 69
12.00.774	Chassis left welded	5
12.00.915	Chassis right	5
10.00.748	Circlip f. bolt Ø10	39
50.00.156	Clamp f. hand shower roll guide	19
20.00.925	Clamp left shaft toppling complete	11
24.01.930	Clip of cover for pressure connection	39
10.00.972	Conical screw STHC 12x12 A2 Din914 Tuflok	37
22.00.508	Connecting nipple 112-311P	23
50.00.664	Connecting nipple F1/2 D10	23
82.00.300	Connector for socket-outlet	57
82.00.259	Contact NC	51, 55
82.00.258	Contact NO	51, 55
87.00.282	Contactor	49
40.02.917	Contactor 3TG1010-2AK2	51, 55
40.03.139	Contactor K3-40B00	27
54.01.092	Control chamber	25
40.03.652	Control harness	29
40.02.438	Control harness Input K1 311	29
40.03.115	Control harness Output K1 311	29
40.02.443	Control harness pressure switch 211P/311P	29
40.02.445	Control harness X14-X112 211/311	29
40.02.444	Control harness X18 EVNO 211P/311P	29
16.01.392	Control panel w/o Vitro 211-311	41
42.00.002V	Control pcb	41
40.00.277	Control transformer	27
3101.1008	Cooling fan	27
2930.1304	Cooling plate solid state relay	27
24.01.122	Core temperature probe	39

Index

Part no.	Description	Page
24.01.329	Core temperature probe nut	39
16.00.329	Cover f. USB interface	31
24.01.929	Cover for pressure connection	39
24.00.772	Cover left hook locking	39
24.00.771	Cover right hook locking	39
12.00.777	Cross frame cpl. VCC 311	5
24.00.776	Cylinder for the lid lock	39
16.00.231	Dial f. pulse generator OEM, black-grey	41
40.02.140	Differential switch	27
50.01.237	Discharge pipe of pan	9
40.03.472	Distance bush PA H6,7x5,2 Ø10	41
24.00.778	Distance nut locking hook	39
40.02.015	Distance nut PA H10 x 4.3 D.8MM	27
50.00.643	Double solenoid valve	17
82.00.271	Drain valve	49, 61
40.02.872	Earth terminal 10mm² yellow/green	27
10.00.103	EJOT PT-screw KA 3.5x10	31
10.00.460	EJOT PT-Screw Torx 3,5x14	31
50.00.745	Elbow fitting D19, 90 degree	23
54.00.560	Elbow-pipe PP DN50 87°	25
40.02.967	Electronic noice filter	27
82.00.250	End plate for mounting rail	51, 55
87.00.165	External memory flashed	41
82.00.289	External panel	51, 55
82.00.674P	Filling pipe for 100mm extension	51, 55, 59
87.00.358	Filter grease for engine	73, 75, 77
50.00.655	Fitting F1/4 D9	23
40.01.579	Fixing clip f. pcb	27
24.01.375	Fixing device for gasket, front	39
12.00.987	Fixing device for sheath shaft toppling	5
10.00.116	Fixing nut for cable gland PG40 polyamid	27
82.00.291	Flexible pipe 350mm for oil troley	55

Index

Part no.	Description	Page
87.00.112	Foam gasket	41
20.00.952	Friction ring shaft raising pan	11
24.00.756	Friction ring teflon right lid	11, 37
16.01.467	Front panel console	31
16.01.667	Front panel pan	31
12.00.945	Frontage left frame	31
40.01.028	Fuse 5x20 6,3A T	27
3019.0135V	Fuse 5x20mm 250V 0,315A	73, 75, 77
3019.0122V	Fuse 5x20mm 250V 6,3A MT	73, 75, 77
4001.0224	Fuse 6.35x32mm	27
4001.0226V	Fuse 6.35x32mm 16A, time-lag	51, 55
82.00.251	Fuse holder	51, 55
4001.1295	Fuse holder e 1003Si/1DS	27
82.00.274	Fuse holder Ultravent	73, 75, 77
40.00.631	Gas cylinder 350N	45
16.01.433	Gasket f. breather tube d=53mm	31
50.00.297	Gasket f. tulip	19
5110.1024	Gasket for G3/4" threaded joint	23
20.01.448	Gasket for left side of pan	31
20.00.993	Gasket for plug pan valve	9
24.01.958	Gasket for pressure cover connection	39
40.00.091V	Gasket frame w. glass a. gaskets	73, 75, 77
40.02.746	Gear motor f. pan valve	13
20.00.710	Graphit plate for heating element 1400W	9
20.01.518	Graphit plate for safety temperature limiter	9
3024.0201V	Halogen bulb 300°C	73, 75, 77
3037.0204V	Halogen transformer	73, 75, 77
50.00.549	Hand shower black	19
50.00.799	Hand shower roll guide	19
82.00.232	Handle	51
2610.400279F	Handle	55
87.00.237	Heat element oil troley VCC	49

Index

Part no.	Description	Page
40.02.396	Heating element	9
82.00.268	Hex nipple M3/8"-F1/4"	51, 55
1105.0121	Hex combination nut M5 galv	9
1105.0121V	Hex combination nut M5 galv	51, 55
1106.0803	Hex combination nut M6 galv	5, 9, 31
10.00.607	Hex combination nut M8	5, 9, 19
82.00.243	Hex double nipple G 3/8"	51, 55
1104.0120	Hex nut M4	9, 27
1104.0121	Hex nut M4 self locking	27, 41
1105.0120	Hex nut M5	39
1108.0260	Hex nut M8	9
1108.0260V	Hex nut M8	45
10.00.612	Hex nut M16 flat	39
1008.0752	Hex screw M5x10	45
10.00.588	Hex screw M5x12 DIN933	19, 27
1008.0760	Hex screw M8x16	5, 9
1008.0763	Hex screw M8x20	19
1008.0761	Hex screw M8x25	5, 9, 11
10.00.611	Hex socket head cap screw A2 M3X20	27
10.00.593	Hex socket set screw cone point A2 M8X20	25
10.00.595	Hex socket set screw cup point A2_70 M6x6 Tuflok	37
24.01.541	Hinge Cover	39
50.00.348	Hose clamp 12.22 L9	17
10.00.656	Hose clamp D9.1	23
10.00.868	Hose clamp ø 47 mm	9
2066.0527	Hose clamp ø14mm	17, 23
2066.0530	Hose clamp ø16.4mm	17, 23
10.00.814	Hose clamp Ø25.2	19, 23
54.00.929	Hose clamp Ø50	25
50.00.748	Hose EPDM 15x22 120°	19
50.00.807	Hose PP L130 Ø40	19
24.01.453	IGUS-Ring XFM 202311 IGLIDUR	39

Index

Part no.	Description	Page
82.00.617	Insulation set for oil cart	49, 53, 57, 59
40.00.470	Interface cable USB 1.5m	31
20.00.701	Key arm toppling pan	11
82.00.247	Kit filling pipe	51, 55
82.00.265	Kit heating element	51, 55
82.00.235	Kit pump	51, 55
82.00.261	Klixon 240°	51, 55
16.01.450	Left side panel of pan	31
24.02.054	Lid	39
24.01.542	Lid cover	39
24.01.397	Lid gasket 311	39
40.00.622	Lifting cylinder for lid LBM 14.21F	37
40.07.748P	Lifting cylinder for lid with cover	11
60.71.138	Lifting roller	45
24.01.920	Lock hook front left/back right	39
24.01.921	Lock hook front right/back left	39
24.01.785	Lock hook spacer	39
10.00.187	Lock washer AZ 4	9, 27
50.00.086	Locking plate f. water distribution	17
12.00.224	Lower part of pedestal 110mm	5
12.00.224V	Lower part of pedestal 110mm	75, 77
16.01.905	Lower PCB protection	41
24.01.957	Magnet for lid	39
24.01.195	Maintenance arises bends joint lid	39
12.00.830	Mounting device f. hand sh. roll guide 211/311	19
46.00.123	Mounting device thermocouple for heating element	9
50.00.078	Non return valve DW16/DN12	17
20.00.680	O-ring 21x 1.5	39
82.00.240	O-ring 34x3	51, 55
10.00.675	O-ring f. pan valve 17.3 x 2.4	9
40.02.014	O-ring NITRILE D16	23
24.01.906	Obturator for lid	39

Index

Part no.	Description	Page
40.02.405	Obturator of socket-outlet	31
60.71.599	Oil filter	49, 51, 55, 61
82.00.363	Overlay FRIMA oil cart	57
82.00.234	Overlay OEM oil cart	57
60.74.940	Overlay RATIONAL oil cart	57
16.00.864	Overlay VCC/E *FRIMA*	41
16.01.454	Pan back panel	31
20.00.953	Pan complete 311/P	9
10.00.507	Pan head screw Torx 5/16" T20	27
20.01.598	Pan valve cable	13
54.00.755	Pipe PP DN50 x 250	25
91.00.023	Plate polyethylene 587x493x30	63
20.00.972	Plug for pan valve	9
50.00.085	Plug-in spring f. hand shower roll guide	17
40.00.284	Power transformer	27
54.00.564	PP-Pipe DN50 x 150mm	25
2067.0050	Pressure hose d10mm	17
40.02.348	Pressure sensor left	23
40.02.048	Pressure switch 25 mbar	23
40.00.750	Pressure switch 200mbar	23
40.03.417	Protection of cable 0.8-1.1	41
40.03.412	Protection of cable 0.8-1.6	41
40.00.404	Pulse generator	41
87.00.192	Pump for oil collector	49, 61
10.00.848	Raised countersunk allen screw M6x30	39
10.00.444	Raised countersunk head screw Torx M4x8	27
54.00.842	Reducing nipple 3/4" to 1/2"	23
40.00.098V	Reflector f. interior light	73, 75, 77
12.00.871	Reinforcement of frame	5
42.00.054	Relay-I/O pcb	27
42.00.039	Relay-I/O pcb A4	27
16.01.669	Right side panel of pan	31

Index

Part no.	Description	Page
20.01.248	Ring shaft toppling black	11
60.70.131	Roller 25/6.5 HM5 stainless steel	45
24.02.102	Roofing ring lid shaft	37
24.00.758	Roofing ring shaft raising	37
82.00.288	Round panel	51, 55
40.02.337	Safety temperature limiter 215°C	9, 49, 51, 55
1251.1000	Safety washer ø5mm	13
10.00.280	Screw HM 8x12 A2	45
10.00.894	Screw TRCC 8x20	5
40.00.701	Screwed cable gland polyamid PG40	27
44.00.857	Screwed grommet D19-3/4"	23
10.00.747	Securing device for bolt d=12	11, 37
82.00.255	Selector 2 positions lighted	51, 55
82.00.256	Selector 3 positions spring return	51, 55
82.00.273	Selector Ultravent	73, 75, 77
24.00.767	Shaft back jack of the lid	39
24.00.765	Shaft front jack of the lid	39
24.00.760	Shaft hoist swing shaft	11, 37
24.01.909	Shaft raising complete	37
20.00.694	Shaft toppling welded	11
20.00.905	Sheath for pan valve	9
20.01.264	Sheath shaft toppling black	11
12.00.780	Side panel left f. chassis left VCC 211/311	31
16.01.499	Side panel left for right frame	31
12.00.781	Side panel right f. chassis left VCC 211/311	31
16.01.320	Side panel right for console	31
50.00.744	Silicone hose 18x24	23
50.00.568	Silicone hose diameter out 14mm in 8mm	17, 23
10.00.107	Socket cap screw M10x35	5
87.00.195	Socket cover for tulip black	33
50.00.749	Solenoid valve for pressure reduction NO G1/2 Dn16mm	23
40.01.589	Solid state relais	27

Index

Part no.	Description	Page
20.01.508	Spacer for safety temperature limiter	9
82.00.263	Spiral cable	49, 51, 61
40.04.522	Spiral cable AUS	57
40.04.520	Spiral cable CH	57
40.04.521	Spiral cable DK	57
40.04.518	Spiral cable FR/DE	57
40.04.519	Spiral cable UK	57
50.00.617	Spring f. hose, water filling	39
20.01.750	Square of protection heating element	9
20.01.275	Square side protection left heating element	9
20.01.243	Square side protection right heating element	9
1107.0101	Star lock ø5	31
12.00.570	Stop device frame right	5
20.01.421	Stop left for pan	9
20.00.921	Stop right for pan	9
24.00.757	Stop ring shaft raising right	37
10.00.781	Straight pin ISO2338 A2 3m6x20	13
82.00.246	Suction pipe complete	51, 55
60.71.850	Support of oil filter	51, 55
82.00.264	Support of socket-outlet	49, 51, 61
20.01.247	Swing shaft lever for pan	11
20.01.505	Switching cam f. pan drain valve	13
44.00.858	T-fitting plastics D19-1/2"	23
2062.0302	T-fitting TS10	23
82.00.248	Terminal block 4mm²	51, 55
82.00.249	Terminal block 4mm² blue	51, 55
4001.1233	Terminal block yellow/green 35mm²	27
87.00.339	Thermocouple for heating element	9
20.00.856	Thermocouple pan	9
87.00.245	Thermostat 50°C heating Oil carriage	49
87.00.246	Thermostat 75°C Pump oil trolley	49, 61
54.00.536	Threaded connection 3/4" 1/2" revolving nut	23

Index

Part no.	Description	Page
82.00.254	Timing relay	51, 55
1208.0160V	Tooth lock washer A8,4	45
40.03.647	Transformer	27
54.00.943	Tube 315mm Ø50 to square 50x50	25
16.00.724	Tulip cpl.black RAL7021	31
16.01.904	Upper PCB protection	41
12.00.205	Upper part of pedestal	5
12.00.205V	Upper part of pedestal	75, 77
1306.0218	Washer A4,3	41
1305.0160	Washer A5,3x10mm	45
1308.0161	Washer A8,4	5
1308.0160V	Washer A8,4	45
1308.0161V	Washer A8,4	45
10.00.186	Washer broad LL6	45
24.01.623	Washer DIN 6797 A2 Ø17	39
10.00.853	Washer L13	23
1308.0160	Washer M8 A2	5
24.02.500	Washer PTFE Ø12 x 0.5	39
10.00.802	Washer Ø50mm for heating element	9
50.00.072	Water distribution vert roll guide con.	17
1900.0202	Water filter	17
50.00.713	Water nozzle	39
44.00.670	Water volume sensor with wire	17
42.00.053	X relay pcb	27
54.00.944	Y PP DN50-50 67.3°	25
54.00.577	Y-Fitting PP DN50 87°	25

RATIONAL Aktiengesellschaft
Siegfried-Meister-Straße 1
86899 Landsberg am Lech
Germany

Web: www.rational-online.com
info@rational-online.com

Telephone: +49 8191-327-0

Managing Board: Managing Director Dr. Peter Stadelmann,
Peter Wiedemann, Markus Paschmann
Chairman of the Supervisory Board: Walter Kurtz

Registered Office: Landsberg am Lech
Court of Registration: Augsburg
District Court Commercial Register Dept. B: 2001
VAT number: DE 128673942