

CARAT

SPARE PARTS MANUAL



SPM_EN

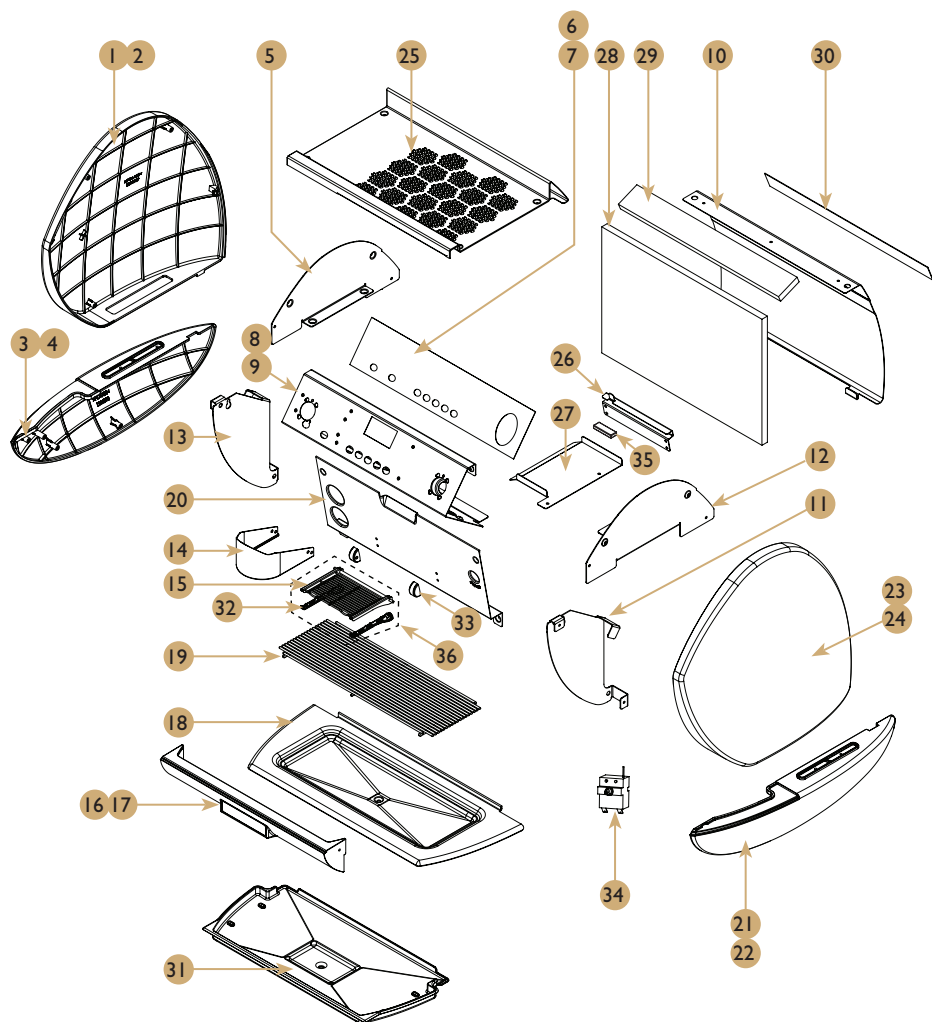
Date: May 08, 2018

EXPobar®

CONTENT	2
EXPLODED VIEW	3
Machine with 1GR	3
Machine with 2GR	5
Rotary pump	7
Boiler 1GR	9
Boiler 2GR	11
2Gr 3 Boilers: boiler assembly (main boiler)	13
2Gr 3 Boilers: boiler assembly (group boiler)	15
Turbo steamer	16
Steam wand	18
Hot water outlet	20
Group head	22
Lower water system	24
Porta-filter	26
Machine components	27

Machine with IGR

Drawing



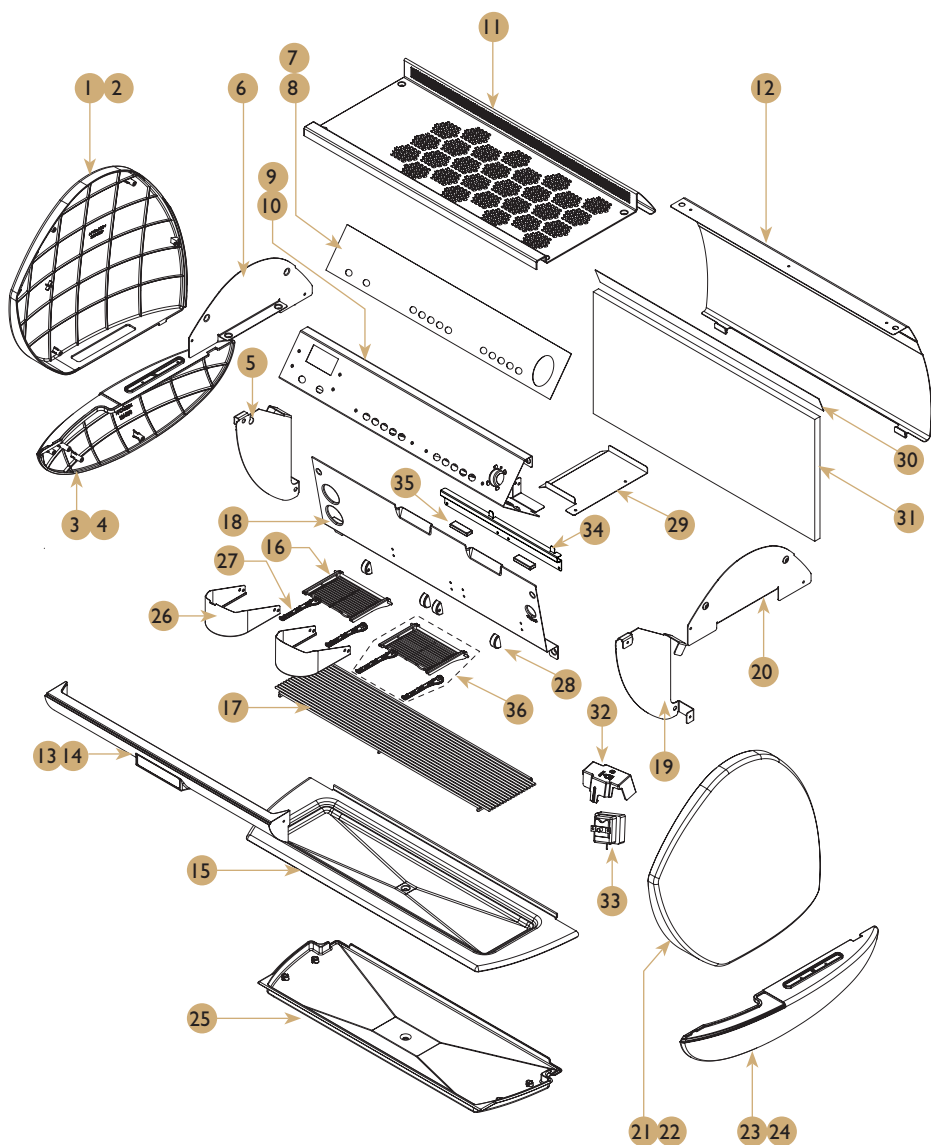
Machine with IGR

Spare parts list

POS.	Part No.	Description
1	1264089	Left panel upper white
2	1264162	Left panel upper black
3	1264090	Left panel lower white
4	1264163	Left panel lower black
5	260712	Left Upper Panel Cover
6	1264096	Display overlay IGr TS
7	1264141	Display overlay IGr Standard
8	260688	Display Panel IGr Standard
9	260711	Display Panel Assy IGR Carat
10	260718	Back Panel IGR Carat
11	260715	Right Lower Panel Cover
12	260714	Right Upper Panel Cover
13	260713	Left Lower Panel Cover
14	260720	Group Cover Support Carat
15	260674	Cup Holder Carat
16	1264104	Front Brand Panel
17	1264167	Front brand panel IGr black
18	260716	Drip Tray IGR Carat
19	260717	Grid Carat IGr
20	260710	Front Panel IGR Carat
21	1264092	Right panel lower white
22	1264165	Right panel lower black
23	1264091	Right panel upper white
24	1264164	Right panel upper black
25	260719	Top Cup Tray IGR Carat
26	260679	Strengthen Panel IGr
27	260677	Water Proof Top
28	1260005	Insulation Back Panel Carat IGr
29	1260015	Insulation Top Tray IGr
30	1264208	Back Overlay IGr
31	1264241	Water Proof Pan IGr
32	1264234	Plactic Strip
33	260676	Bearing
34	C10200141	Pole thermal cut-out with bulb
35	1608281	Magnet 39x13x6
36	2760325	Cup Holder with Strip (complete assy)

Machine with 2GR

Drawing



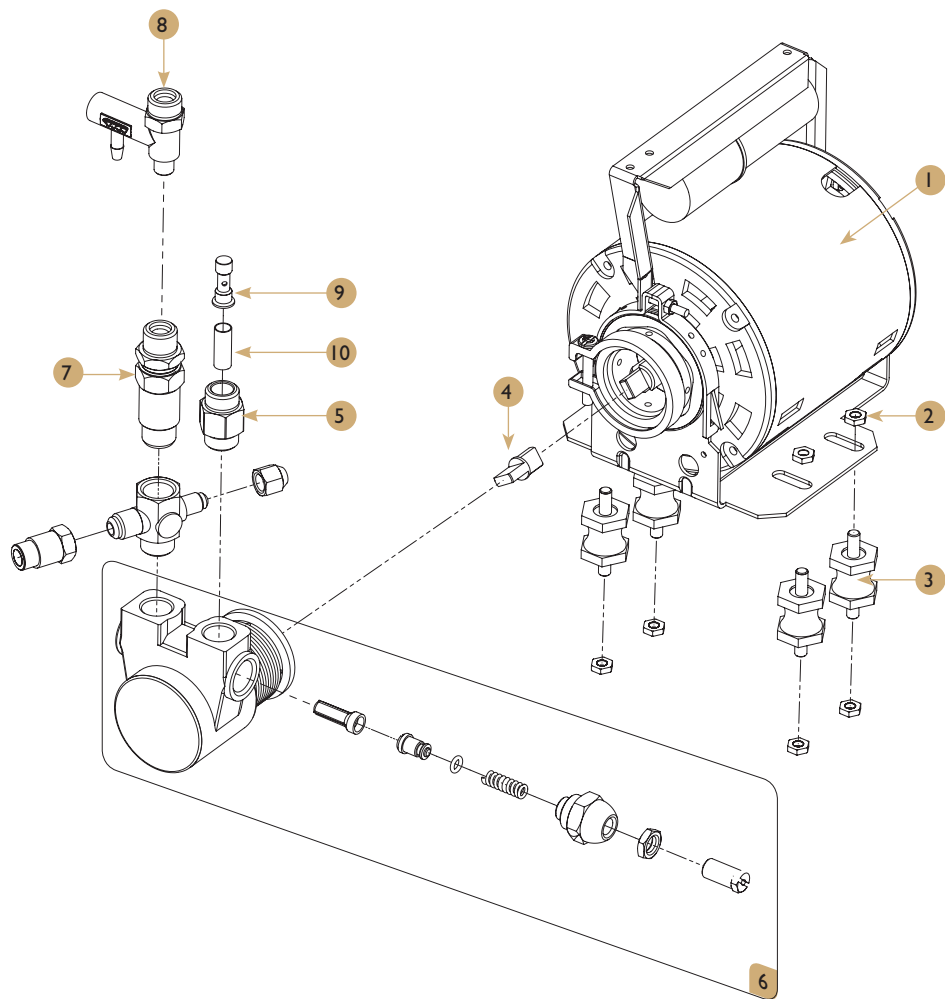
Machine with 2GR

Spare parts list

POS.	Part No.	Description
1	1264089	Left panel upper white
2	1264162	Left panel upper black
3	1264090	Left panel lower white
4	1264163	Left panel lower black
5	260713	Left Lower Panel Cover
6	260712	Left Upper Panel Cover
7	1264116	Display overlay 2Gr TS
8	1264142	Display overlay 2Gr Standard
9	260689	Display Panel 2Gr Standard
10	260728	Display Panel Assy 2Gr Carat
11	260730	Top Cup Tray 2Gr Carat
12	260699	Back Panel 2Gr Carat
13	1264115	Front brand panel 2Gr white
14	1264166	Front brand panel 2Gr black
15	260731	Drip Tray 2Gr Carat
16	260674	Cup Holder Carat
17	260700	Grid Carat 2Gr
18	260729	Front Panel 2Gr Carat
19	260715	Right Lower Panel Cover
20	260714	Right Upper Panel Cover
21	1264091	Right panel upper white
22	1264164	Right panel upper black
23	1264092	Right panel lower white
24	1264165	Right panel lower black
25	1264242	Water Proof Pan 2Gr
26	260720	Group Cover Support
27	1264234	Plastic Strip
28	260676	Bearing
29	260677	Water Proof Top
30	1264209	Back Overlay 2Gr
31	1260011	Insulation Back Panel Carat 2Gr
32	1264261	EGO 3 Pole Cover
33	C10200150	3 Pole Thermal cut-out with bulb
34	260678	Strengthen Panel 2Gr
35	1608281	Magnet 39x13x6
36	2760325	Cup Holder with Strip (complete assy)

Rotary pump

Drawing



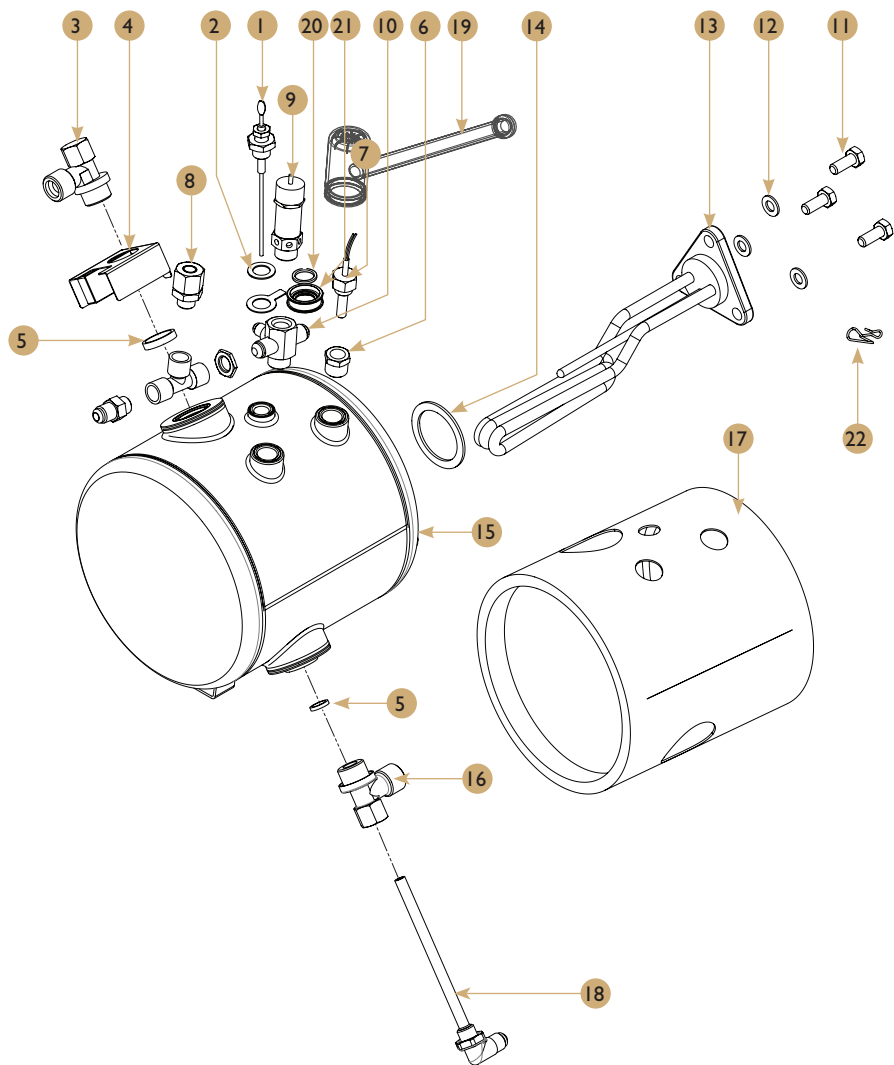
Rotary pump

Spare parts list

POS.	Part No.	Description
1	60000016	MOTOR CREM 230V/50HZ
2	25093420	HEXAGONAL NUT M-6 DIN-934
3	50100000	SILENTBLOCK M-6
4	30000019	CARDAN JOINT PUMP
5	30000240	PUMP ADAPTOR 3/8 X 3/8
6	C60000030	Pump(Crem Special Treatment)
7	65000010	Retention Valve 3/8*1/8 (Min-Mon-Ec)
8	30400055	Pump Bypass Condor
9	30100100	Inlet Water Filter Holder
10	70000009	Tubular Group Filter

Boiler IGR

Drawing



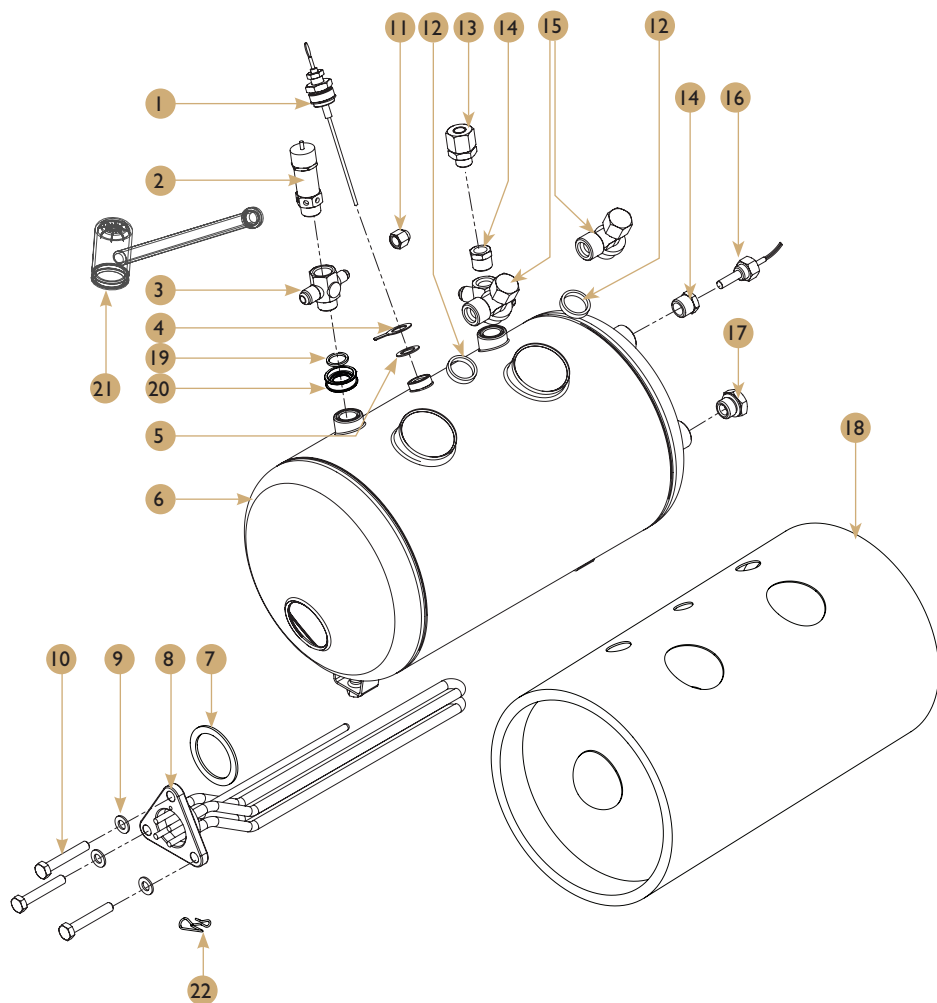
Boiler IGR

Spare parts list

POS.	Part No.	Description
1	60100040	Water Level Probe 1/4
2	25679812	Inox Ground Washer
3	30000200	Thermics Sup.Adaptor 1/2 X 1/2
4	ESC00100	Magnets Set
5	50010010	21.1*25.7* 1/2 Teflon Gasket
6	30000003	Reducer Male-Female-3/8 - 1/4
7	60100076	Temp. Probe + Susp. Steam Pipe Icd
8	65000200	Non Suction Valve
9	65000115	Safety Valve C10/A-3/8 NGI
10	30000110	3 Tracks Adaptor 1/4 * 1/4 * 1/8
11	25093320	Hexagonal Head Screew 8X20 Din 933
12	25012530	Flat Washer M-8 Din-125
13	38025001F	2500W-230V- 6Ltrs.Copper Element with fuses
14	50010030	40*52*2 Element Teflon Gasket
15	15100018	Boiler Copper IGr 6L
16	30000210	Thermics Inf.Adaptor-1/2X1/2X1/4
17	1260003	Insulation Boiler Carat IGr
18	30000220	Cone Injector 1/4
19	1560003	Safety Valve Protector
20	50010080	Gasket Tap Steam/Water Teflon
21	1364084	Safety Valve Hold Washer
22	1364062	Clip EGO

Boiler 2GR

Drawing



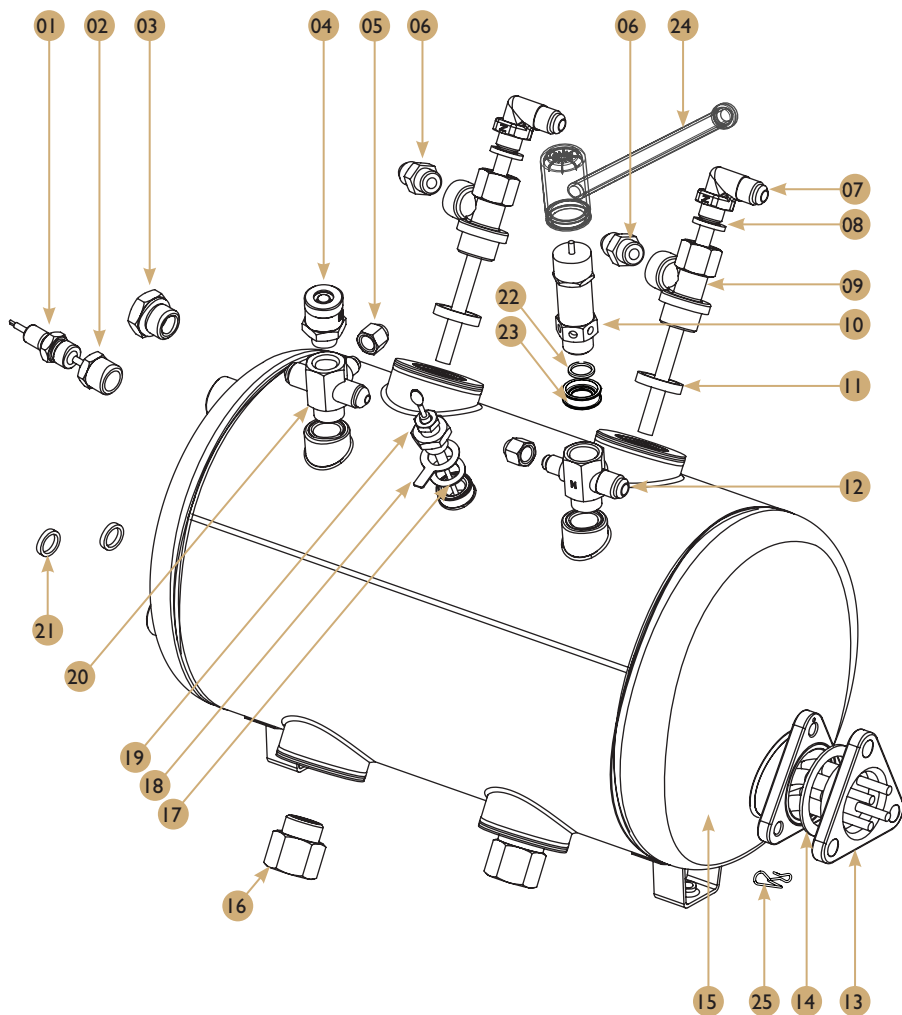
Boiler 2Gr

Spare parts list

POS.	Part No.	Description
1	60100040	WATER LEVEL PROBE 1/4
2	65000115	Safety Valve C10/A-3/8 NGI
3	30000100	2 TRACKS ADAPTOR- 1/4 x 1/8
4	25000003	INOX GROUND WASHER
5	25679812	M12 Washer
6	15100020	BOILER 2GR 1 ILTS.
7	50010030	40*52*2 ELEMENT TEFLON GASKET
8	38027000F	3050W.230V- 2gr ELEMENT with fuses
9	25012530	FLAT WASHER M-8 DIN-125
10	25093320	HEXAGONAL HEAD SCREW 8x20 DIN 933
11	30000315	BLING PLUG 1/8 FEMALE
12	50010010	21.1*25.7* 1/2 TEFLON GASKET
13	65000200	NON SUCTION VALVE
14	30000003	REDUCER MALE-FEMALE-3/8 - 1/4
15	30000200	THERMICS SUP.ADAPTOR 1/2 X 1/2
16	60100076	TEMP. PROBE + SUSP. STEAM PIPE ICD
17	30000290	PLUG M 3/8
18	1260004	Insulation Boiler Carat 2Gr
19	50010080	Gasket Tap Steam/Water Teflon
20	1364084	Safety Valve Hold Washer
21	1560003	Safety Valve Protector
22	1364062	Clip EGO

2Gr 3 Boilers: boiler assembly (main boiler)

Drawing



2Gr 3 Boilers: boiler assembly (main boiler)

Spare parts list

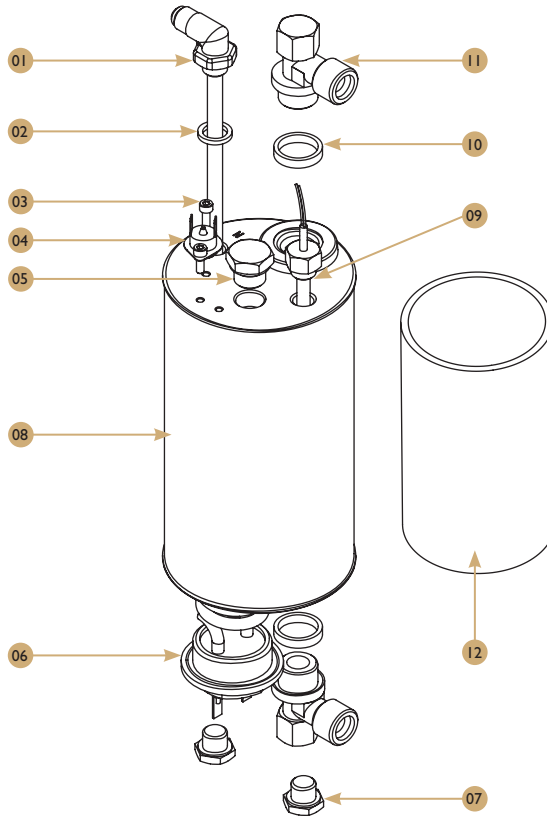
POS.	Part No.	Description
01	C60100076	Temp. Probe + Susp. Steam Pipe Icd
02	C30000003	Reducer Male-Female-3/8 - 1/4
03	C30000290	Plug M 3/8
04	C65000200	Non Suction Valve
05	C30000315	Bling Plug 1/8 Female
06	C30000510	Conical Adaptor 1/4*1/4 Electron
07	C30000220	Cone Injector 1/4
08	C50010020	13.2*18.2*2.5 1/4 Teflon Gasket
09	C30000210	Thermics Inf.Adaptor-1/2X1/2X1/4
10	C65000115	Safety Valve C10/A-3/8 NGI
11	C50010010	21.1*25.7* 1/2 Teflon Gasket
12	C30000100	2 Tracks Adaptor- 1/4 X 1/8
13	C38027000F	3050W-230V- 2Gr Element with fuses
*13	C38045000F	4500W-230V 2GR Element with fuses
14	C50010030	40*52*2 Element Teflon Gasket
15	C15100020	Boiler 2Gr 11Lts.
*15	C15100030	Boiler 3Gr 17Lts.
16	C30200035	Long Plug 1/2 Group
17	C25679812	M12 Washer Form A
18	C25000003	Inox Ground Washer
19	C60100040	Water Level Probe 1/4
20	C30000110	3 Tracks Adaptor 1/4 * 1/4 * 1/8
21	C50010050	3/8 Boiler's Connector Teflon Gaske
22	50010080	Gasket Tap Steam/Water Teflon
23	1364084	Safety Valve Hold Washer
24	1560003	Safety Valve Protector
25	1364062	Clip EGO

Note:

Parts marked with * are options on three-phase models.

2Gr 3 Boilers: boiler assembly (group boiler)

Drawing

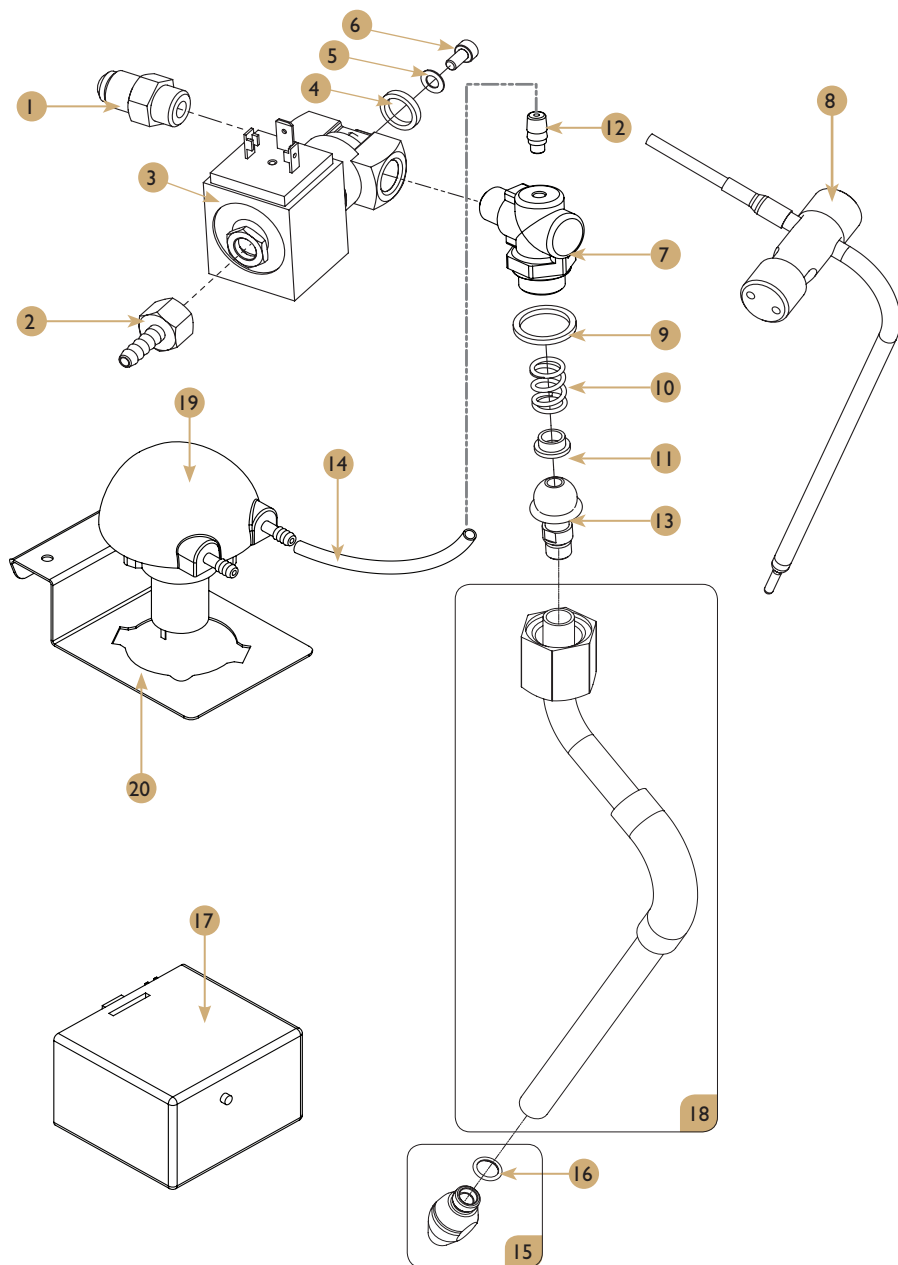


Spare parts list

POS.	Part No.	Description
01	C30000220	Cone Injector 1/4
02	C50010020	13.2*18.2*2.5 1/4 Teflon Gasket
03	C25091210	Allen Screw 4X12 Din-912
04	C10200110	Office Thermostat 16 A
05	C30000290	Plug M 3/8
06	C38012000	1200W-230V Office Element
07	C30000300	Blind Plug 1/4 Male
08	C15100010	Office Cappuccinator Boiler
09	C60100076	Temp. Probe + Susp. Steam Pipe Icd
10	C50010010	21.1*25.7* 1/2 Teflon Gasket
11	C30000200	Thermics Sup.Adaptor 1/2 X 1/2
12	I260017	Insulation Boiler Office

Turbo steamer

Drawing



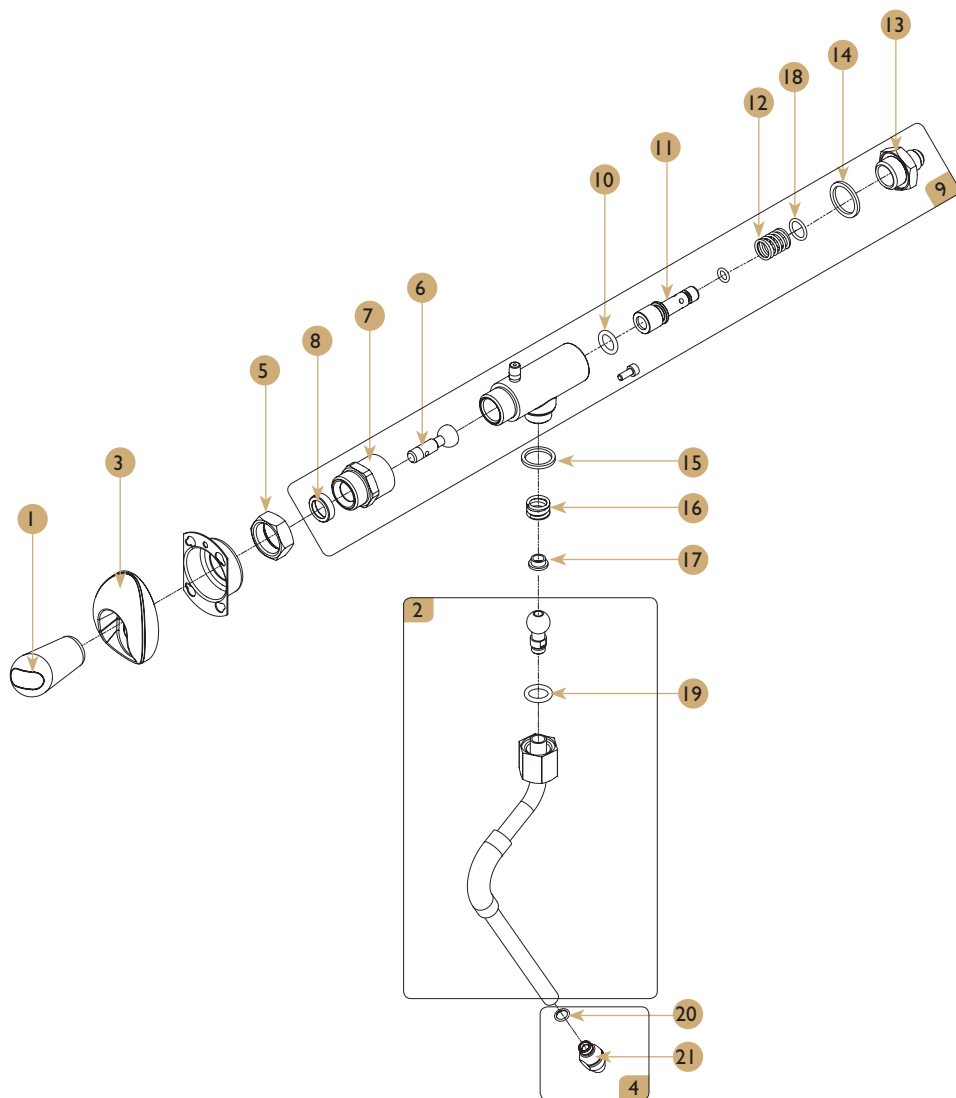
Turbo steamer

Spare parts list

POS.	Part No.	Description
1	30000510	Conical Adaptor 1/4*1/4 Electron
2	30700000	6Mm Barbfitting 1/8 F
3	60000120	Valve Turbo Steamer
4	50010050	3/8 Boiler's Connector Teflon Gaske
5	25012510	Washer M-5 Din9021
6	25091200	Allen Screw 4X8 Din-912
7	30000235	Male Adapter 1/4*3/8*M-5 Water
8	60100075	Steam Temperature Sensor
9	50010080	Gasket Tap Steam/Water Teflon
10	30370076	Spring Steam/Water Tap
11	30370077	Gasket Tap Steam/Water Brass
12	30500005	Male Hose Adapter Elow
13	30370075	O-Ring For Steam Tap
14	35021000	Silicon Hose DIA4*7mm
15A	30370190	Nozzle steam tap-1H M8.5 with oring
15B	30370195	Nozzle steam tap-3H M8.5 with oring
15C	30370180	Nozzle steam tap-4H M8.5 with oring
16	50010090	O-Ring 6X1
17	60100049	Adjustable Unit Trimmer
18	2760028	Steam Tap Assembly Carat
19	60000049	Peristaltic Pump
20	20010006	Peristaltic Pump Support

Steam wand

Drawing



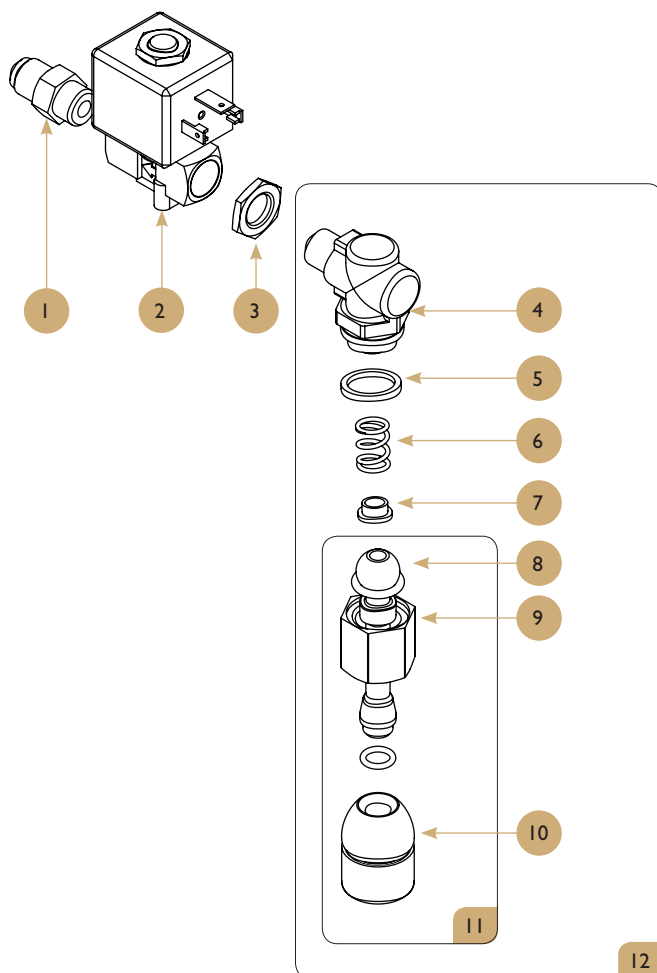
Steam wand

Spare parts list

POS.	Part No.	Description
1	1264215	Steam Tap Lever Espresso Filter
2	2760256	Steam Pipe Assembly 1Hole (Standard Group)
2	2760028	Steam Pipe Assembly (Take-Away Group)
3	21003041	Tap Cover
4A	30370190	Nozzle steam tap-1H M8.5 with oring
4B	30370195	Nozzle steam tap-3H M8.5 with oring
4C	30370180	Nozzle steam tap-4H M8.5 with oring
5	30370141	Nut G5/8 * H26
6	30370161	Tap axle with nob
7	30370165	Conector Female G1/2-Male G5/8
8	30370164	Holder washer
9	15000338	Tap Body and Steam Knob Assy. (also incl. parts 15,16,17)
10	50000133	O-ring (10.77x2.62)
11	30370163	Extension axle for tap
12	55000070	Spring, 14X24x1,5-OA2
13	30370166	Connector 3/4M x G14M
14	50010070	Teflon gasket (19X24x2)
15	50010080	Gasket Tap Steam/Water Teflon
16	30370076	Spring Steam/Water Tap
17	30370077	Gasket Tap Steam/Water Brass
18	50000100	O-Ring 6.07x1.78
19	30370075	O-Ring for Steam Tap
20	50010090	O-ring 6X1
21	30370195	Nozzle Steam Tap 3H M8.5 with Gasket

Hot water outlet

Drawing



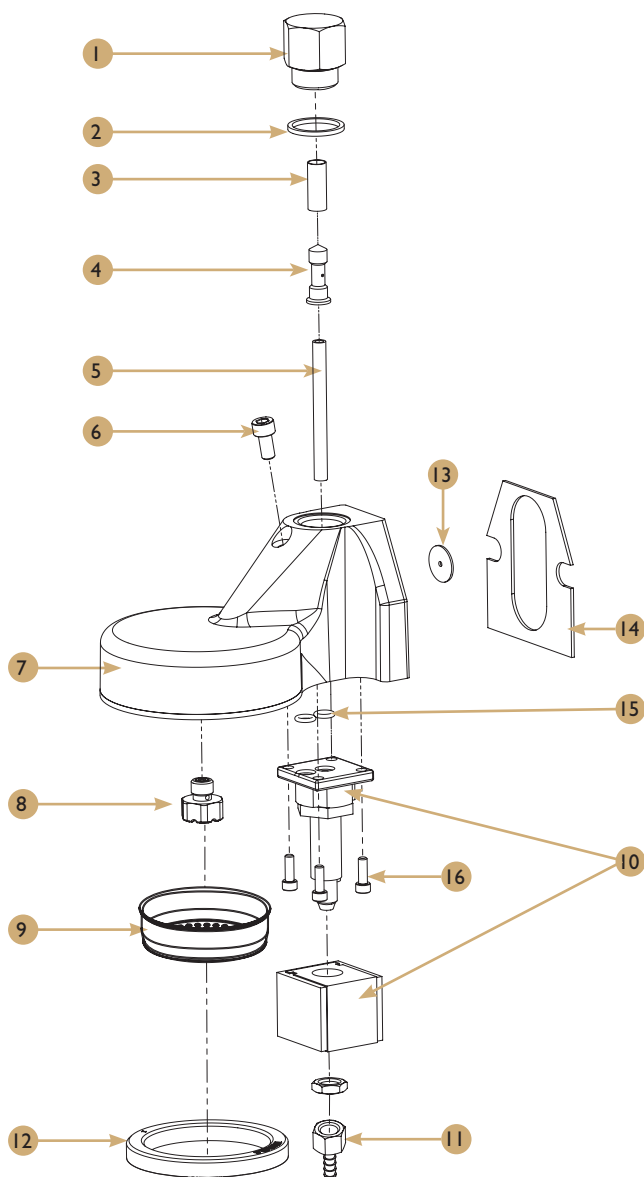
Hot water outlet

Spare parts list

POS.	Part No.	Description
1	30000510	Conical Adaptor 1/4*1/4 Electron
2	60000100	1/4 X 1/4 Electrovalve Parker 220V
3	30100010	Hexagonal Nut 1/4 Pressostat
4	30000236	Elbow Racor G1/4Xg3/8
5	50010080	Gasket Tap Steam/Water Teflon
6	30370076	Spring Steam/Water Tap
7	30370077	Gasket Tap Steam/Water Brass
8	30370075	O-Ring 12.1X2.7mm
9	70000010	Nut 3/8 For Steamer
10	30000050	Nozzle Water Tap Complete
11	30370080	Water Tap Classic
12	30370081	Water Tap + Connector Kit

Group head

Drawing



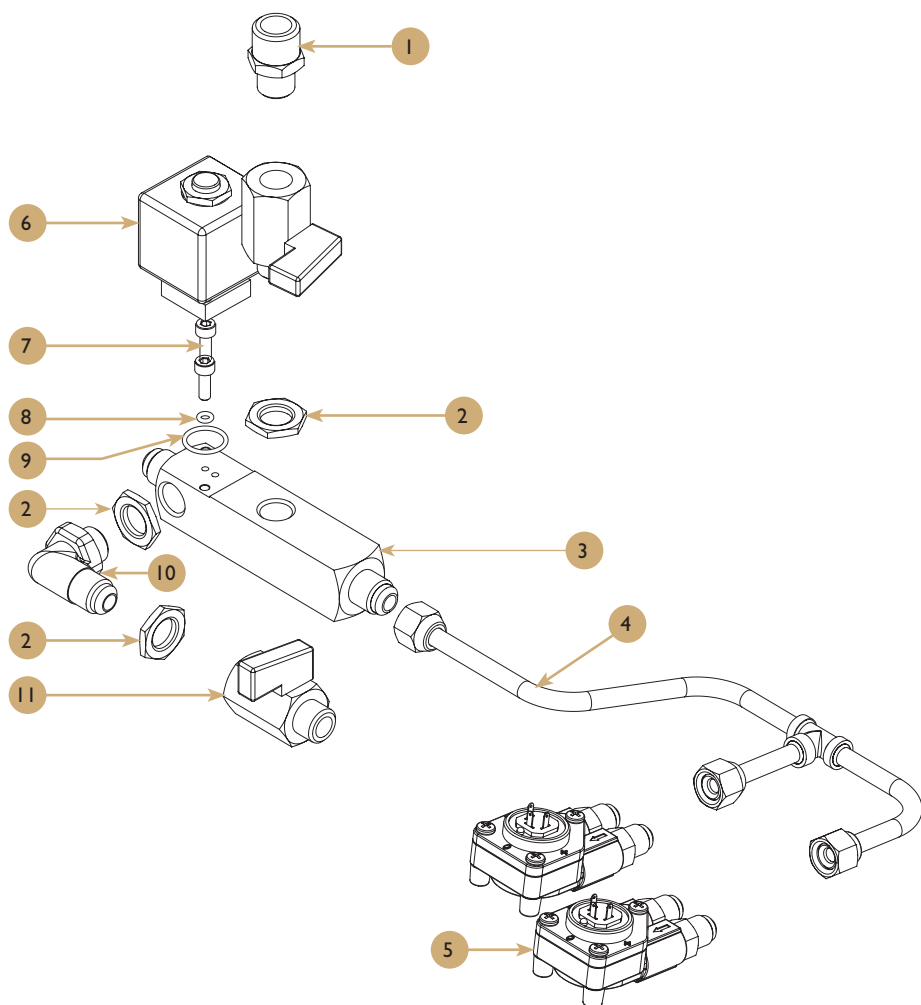
Group head

Spare parts list

POS.	Part No.	Description
1	30200035	Long Plug 1/2 Group
2	50010040	21.7*25.7*2 G/C-G Teflon Gasket
3	70000009	Tubular Group Filter
4	30200061	Group Teflon Injector Rev3
5	30200026	Tefl Water Reduc. Holder 4X6x65
6	25091250	Allen Screw 6*10 Din-912 Group
7	30200010	Crem Brewing Group Body
8	30200040	Diffuser
9	75000010	Shower
10	60000112	Gro Head Electrov. Parker 220V
11	30700000	6Mm Barbfitting 1/8F
12	75000081	8Mm Group Head Gasket
13A	50020020	2.5*18.2*2 Teflon Hot Water Reducto
13B	50020000	3.5*18.2*2 Teflon Hot Water Reducto
14	50000010	Green Body Flat Group Joint
15	50000100	O-Ring 6.07*1.78
16	25091211	Allen Screw M4x16 Din 912

Lower water system

Drawing



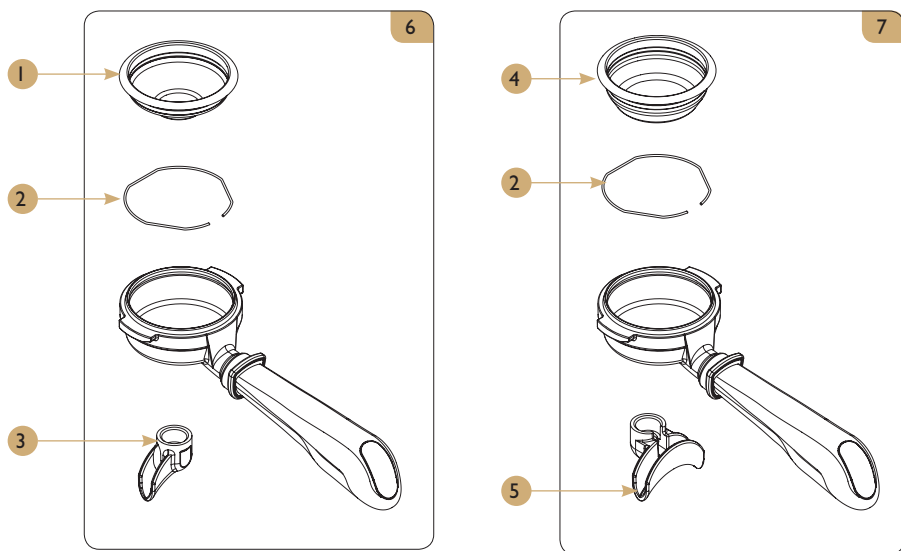
Lower water system

Spare parts list

POS.	Part No.	Description
1	30000002	BUTTRESS 1/4-3/8 MINI
2	30100010	HEXAGONAL NUT 1/4 PRESSOSTAT
3	30100033	DISTRIBUTOR MC
4A	1364029	Distributor Tube ø8mm Carat 2Gr
4B	1364021	Copper Tube 8.0*100mm 1Gr
5	60100045	FLOWMETER UL/NETW. BRASS TEF+LED
6	60000105	50/60HZ 220V SOLENOID ELECTROVALVE
7	25091210	ALLEN SCREW 4x12 DIN-912
8	50000110	SMALL AUTOFILL SOLENOID GASKET
9	50000105	LARGE AUTOFILL SOLENOID GASKET
10	30000215	CONICAL BEND ADAPTOR 1/4 X 1/4
11	15000310	Tap drainage G1/4M-G1/4F Right

Porta-filter

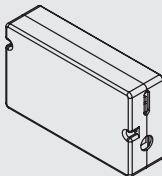
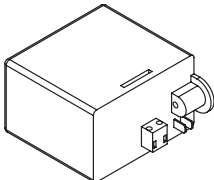
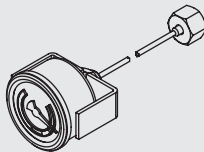
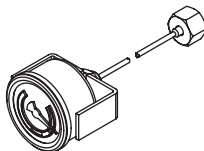
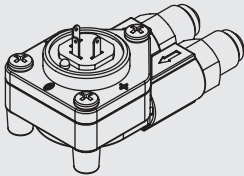
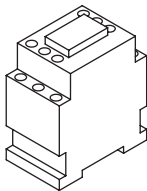
Drawing



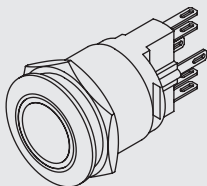
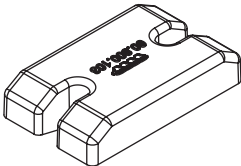
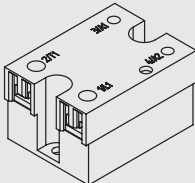
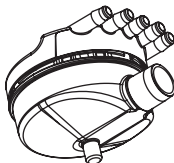
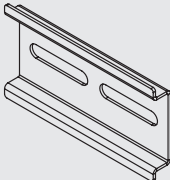
Spare parts list

POS.	Part No.	Description
1	75000031	1 Cup Filter (7Gr)
2	75000120	Filter Spring
3	75000050	Spout 1 Cup
4	75000041	2 Cup Filter (14Gr)
5	75000060	Spout 2Cups
6	2760216	Filter Handle Assy 1 Cup
7	2760217	Filter Handle Assy 2 Cup






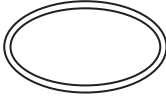
Machine components

DRAWING	PART NO.	MODEL/NAME
	60100420	Main control box
	60100049	Adjustable Unit Trimmer
	60000072	Manometro D40 0_16 BAR
	60000062	Manometro D40 0_2.5 BAR
	60100045	Flowmeter UL Red TEF Led
	I660097	Contactor 230V LCID18P7C

Machine components

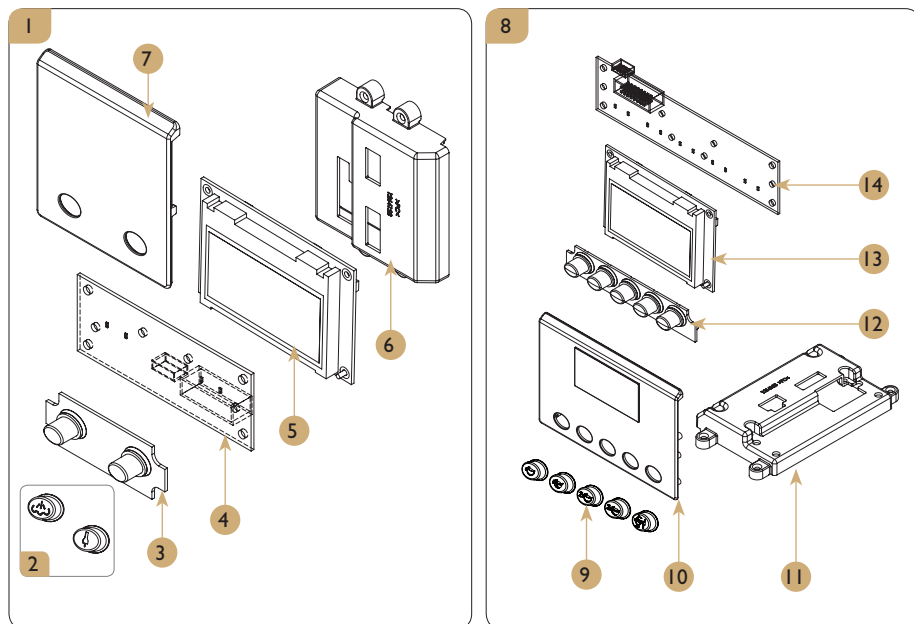
DRAWING	PART NO.	MODEL/NAME
	I660036	Power Switch Blue 22mm
	C60800103	Solid State Relay Cover
	C60800101	STATIC RELAY 4-32
	C70001001 C70001005	Drain cup with thread Drain cup cover
	260177	DIN Connection SS 65MM

Machine components

DRAWING	PART NO.	MODEL/NAME
	ESC00013	Peristaltic Pump with Harness
	I666032	Harness NTC Extension
	I666039	Signal cable
	I666061	Long Cable Signal Carat
	C16660028	Harness complete Carat 1Gr
	C16660029	Harness complete Carat 2Gr
	I666042	Harness complete Carat 2Gr 3phase
	C60102020	O-ring flowmeter

Machine components

Drawing

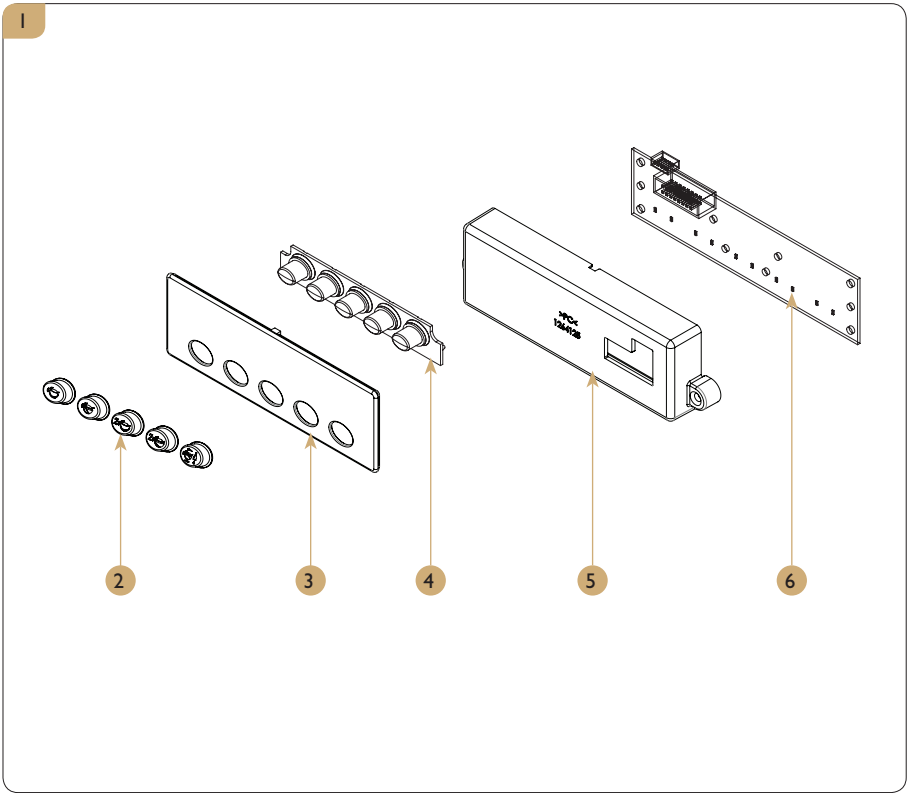


Spare parts list

POS.	Part No.	Description
1	2760062	Display PCB Assy with 2 Buttons
2	60101513	Metal button set cover water/steam
3	1264156	Conductive Control Button 2 Keys
4	1660040	PCB Mechanical Type 2 Buttons
5	60101060	Graphic Display Gicar
6	1264128	Display PCB Box Bottom 2 Buttons
7	1264129	Display PCB Box Upper 2 Buttons
8	2760031	Display PCB Assembly Carat
9	60101512	METAL BUTTON SET COVER (x5)
10	1264107	Display PCB Box Upper Carat
11	1264108	Display PCB Box Bottom Carat
12	1264095	Conductive Control Button
13	1660175	Display LCD 2.7" RGB 128x64
14	1660039	PCB Mechanical Type 5 Buttons

Machine components

Drawing



Spare parts list

POS.	Part No.	Description
1	I264124	Button Box Assy Carat
2	60101512	METAL BUTTON SET COVER (x5)
3	I264126	Button Box Upper
4	I264095	Conductive Control Button
5	I264125	Button Box Bottom
6	I660039	PCB Mechanical Type 5 Buttons

For the warranty to be valid the conditions for maintenance must have been followed according to our instructions, proper precaution has been made and warranty claim been issued without delay.

The affected equipment may not be used during awaiting service if there is any risk that the damage or defect would worsen.

The warranty will not cover consumption supplies such as glassware, normal maintenance such as cleaning of filters, contaminations in water, lime, incorrect voltages, pressure or adjustment of water amounts.

The warranty will not cover damages of defects caused by incorrect handling and operation of the appliance.

FOR SERVICE
Please contact your dealer

Your Dealer

Models covered by this manual:

EAED-C32B-22AM
EBED-C32B-22AM
EBEE-D32B-22AM
EAED-C41B-22AM
EAED-C41B-22AM
EBEE-D41B-22AM
EBAE-D41B-22AM
EBGE-G41B-22AM

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