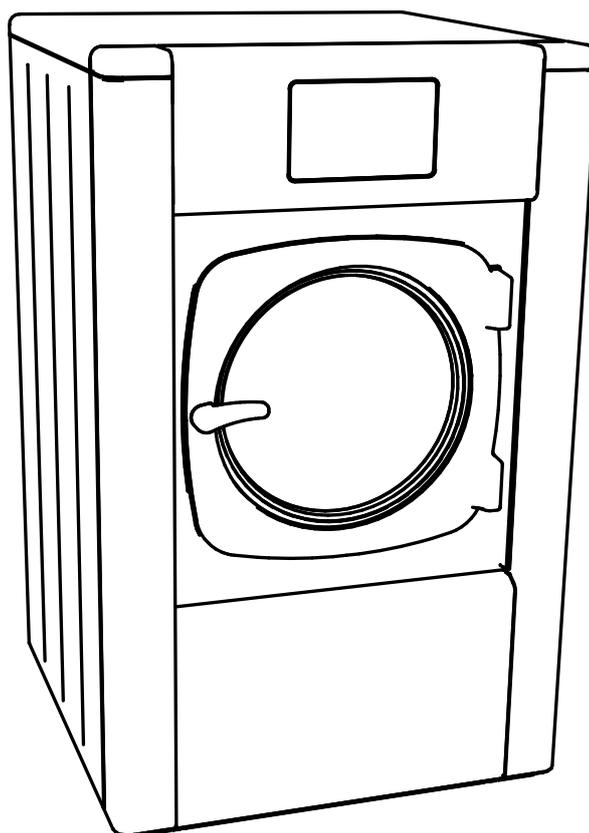


# Washers

## GS7018 / GS045



Parts Handbook

**GIRBAU**

**GIRBAU**

**NORTH AMERICA**

EN

The information in this manual applies to the following models:

Model	Girbau, SA Catalog No.	Girbau North America, Inc. Catalog No.	From machine No.	To machine No.
HS7018/45 H HS7018/45 E HS7018/45 V	GS7018	GS045	2550076	



Girbau, SA  
Ctra de Manlleu, km1  
08500 Vic (Barcelona) SPAIN  
[www.girbau.com](http://www.girbau.com)

GIRBAU NORTH AMERICA Inc.  
2500 State Road 44  
WI 54904 Oshkosh USA  
[www.cgilaundry.com](http://www.cgilaundry.com)

### TRANSLATION OF THE ORIGINAL MANUAL

**Carefully read these instructions before using the machine.**

**Unauthorized modifications to the machine will void the warranty.**

**Keep this manual for future reference.**

## Contenido

Cylinder .....	5
Drum assembly .....	6
Outer drum assembly .....	8
Door .....	9
Door assembly .....	10
Frame .....	11
Frame assembly .....	12
Cabinet .....	13
Cover assembly .....	14
Corner assembly .....	16
Control panel .....	17
Pro Control panel assembly .....	18
Vended Control panel assembly .....	19
Upper cover .....	21
Upper cover assembly .....	22
Dispenser assembly .....	23
Drain .....	24
Drain assembly .....	25
Rear panel .....	26
Rear panel assembly, 3 compartments .....	27
Rear panel assembly, 4 compartments .....	29
Rear panel assembly, 4 compartments, 3 water inlets .....	31
Rear panel assembly, 4 compartments (WRAS) .....	33
Heating .....	35
Electric heating assembly .....	36
Steam heating assembly .....	37
Electrical wiring .....	38
General electrical assembly .....	39
Electrical junction box assembly .....	41
Auxiliary electrical assembly .....	43
Additional parts .....	44
Water inlet hoses assembly .....	45

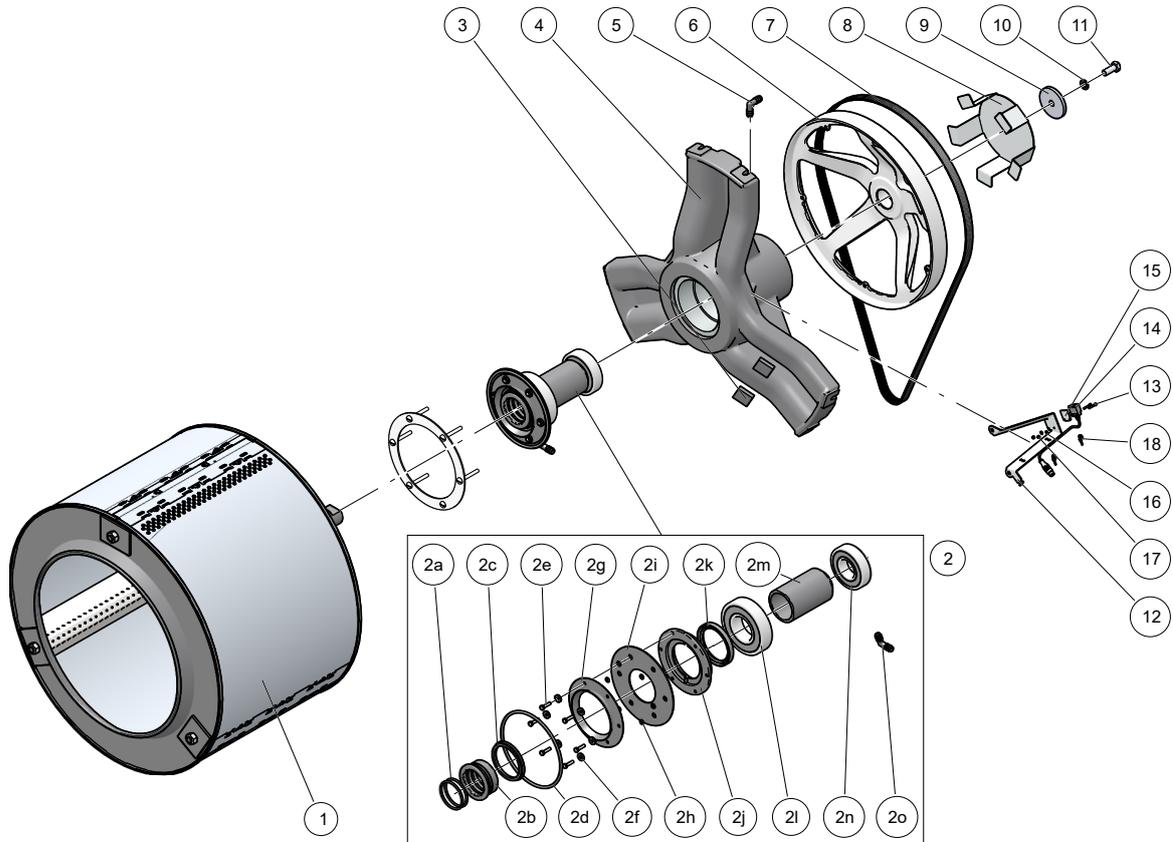




# Cylinder

## Drum assembly

Figure 1



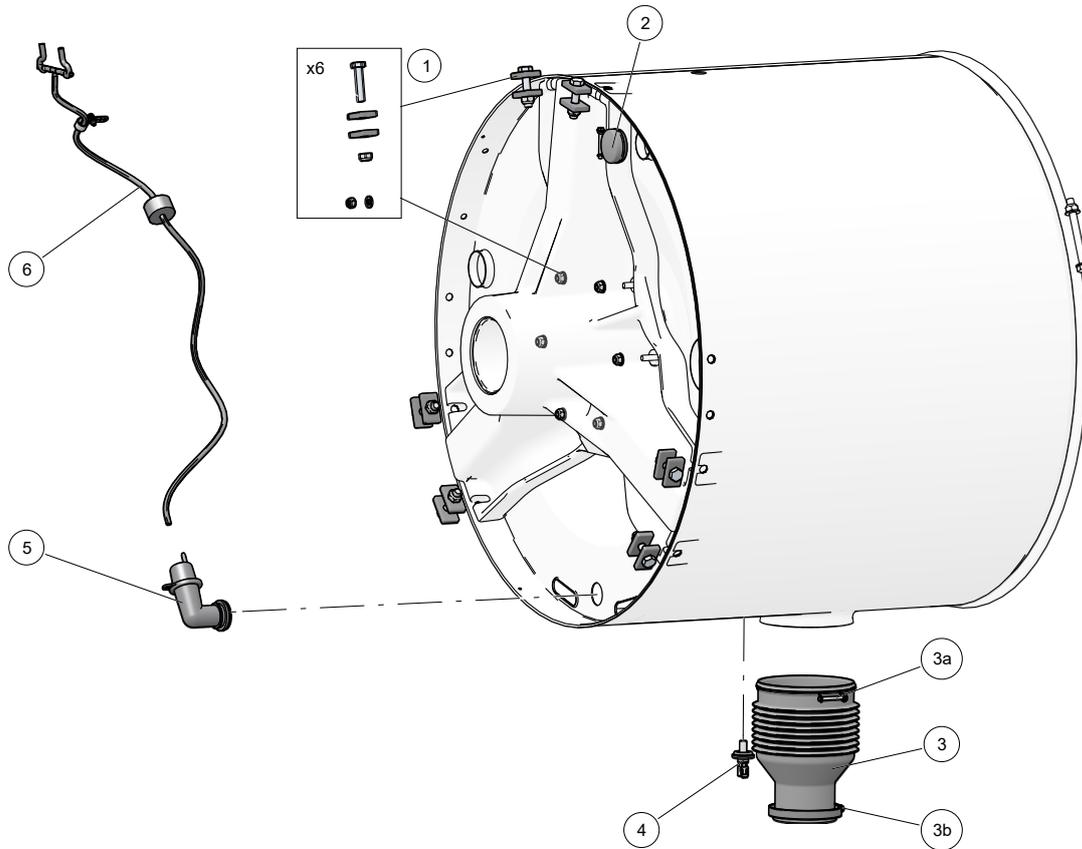
Item No.	Part Number	Part Name	Qty	Remarks
1	10050979	DRUM	1	[For inox basket plate option]
1	10050813	DRUM	1	[For painted basket plate option]
2	10284933	ASSY. BEARING	1	
2a	333195	O-RING OR NBR70 $\phi 68 \times 4$	2	
2b	422154	RING SEALS	1	
2c	343731	RING V-RING V-85A VITON	1	
2d	333237	O-RING OR NBR70 $\phi 193 \times 6$	1	
2e	144915	HEX SCREW DIN-933 A2-70 M6x25	6	
2f	422220	WASHER $\phi 18 \times 6.5 \times 4$ A2	6	
2g	422204	V-RING PROTECTION	1	
2h	181321	O-RING OR NBR70 $\phi 6 \times 3$	6	
2i	422196	SECURING RING	1	
2j	430876	HOLDER SEAL CAP	1	
2k	333229	SEAL BA $\phi 85 \times \phi 110 \times 12$ NBR72	1	
2l	333245	BALL BEARING $\phi 65 \times \phi 140 \times 33$	1	
2m	422212	BEARING STOPPER	1	
2n	333252	BALL BEARING $\phi 50 \times \phi 110 \times 27$	1	
2o				



Item No.	Part Number	Part Name	Qty	Remarks
2o	193904	HOSE ELBOW 3/8"	1	
3	431205	PRESSOSTAT HOSE PROTECTION	2	
4	333484	BEARING HOUSING	1	
5	193904	HOSE ELBOW 3/8"	1	
6	342543	BASKET PULLEY	1	
7	10111987	NON-CONDUCTIVE RIBBED BELT L2120	1	
8	10622942	ROTATION DETECTOR	1	
9	212589	WASHER $\varnothing 80 \times \varnothing 15 \times 8$ TRIVALENT	1	
10	149831	GROWER WASHER DIN 127 M14 BLACK	1	
11	186312	HEX SCREW DIN-933 8,8 M14x35 TRIVALENT	1	
12	10407450	MINI SWITCH BRACKET	1	
13	10004273	ALLEN SCREW DIN-912 8,8 M3x20 TRIVALENT	2	
14	10088490	INDUCTIVE SENSOR	1	(B3)
15	10589554	SPACING PLATE	1	
16	152132	WASHER DIN 125B M3 A2	2	
17	129692	SELF-LOCKING NUT DIN-985 8 M3 TRIVALENT	2	
18	140434	CABLE TIE 2.5x101 NATURAL	2	

## Outer drum assembly

Figure 2



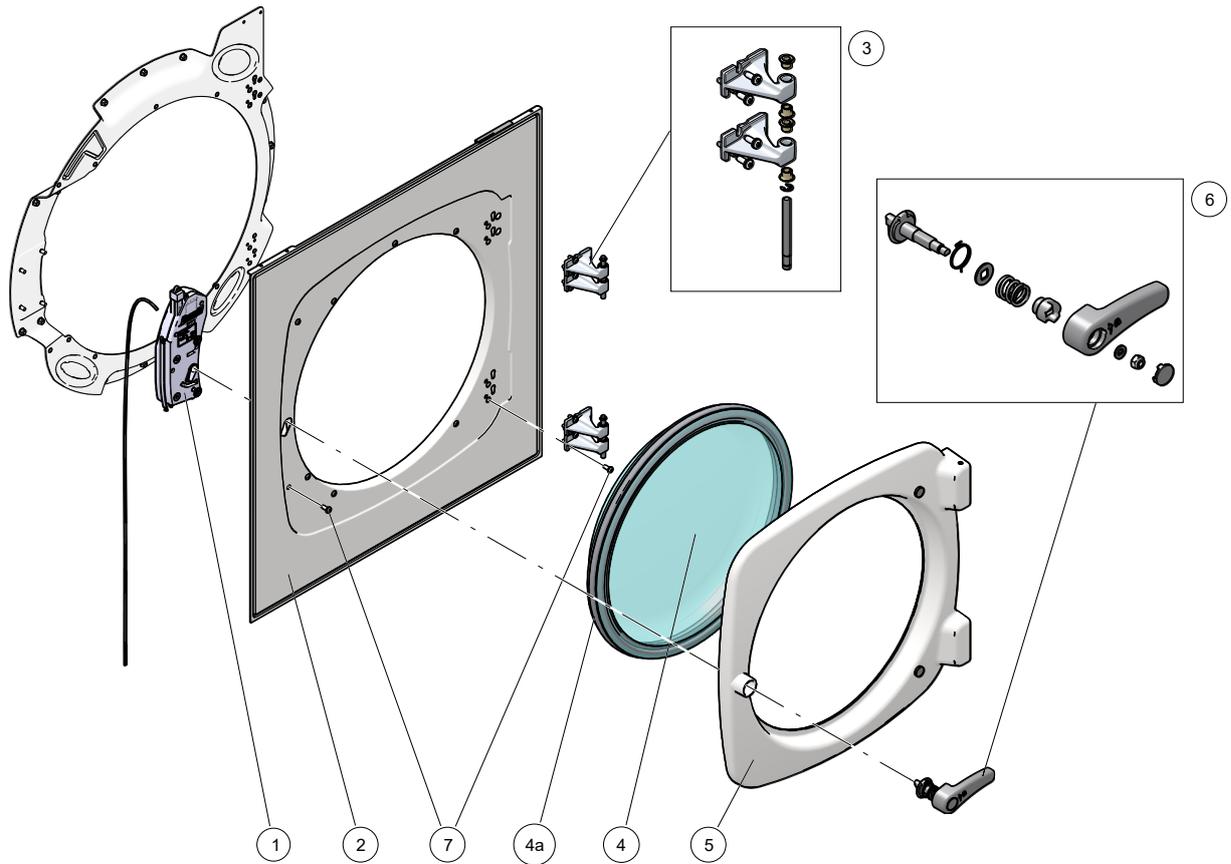
Item No.	Part Number	Part Name	Qty	Remarks
1	10470094	ASSY. BEARING BOX SCREWS	1	
2	10532513	ASSY. RUBBER STOPPER AND CLAMP	1	
3	10470383	ASSY. DRAIN BELLOWS AND CLAMPS	1	
3a	333450	WIRE HOSE CLAMP Ø140xØ130	1	
3b	132340	HOSE CLAMP W2 Ø80-100	1	
4	10470128	ASSY. TEMP. SENSOR AND SHEATH LODGING	1	(B2)
5	10470136	ASSY. PRESSURE SW. BODY AND GROMMET	1	
6	10441822	ASSY. PRESSOSTAT HOSE	1	



# Door

## Door assembly

Figure 3



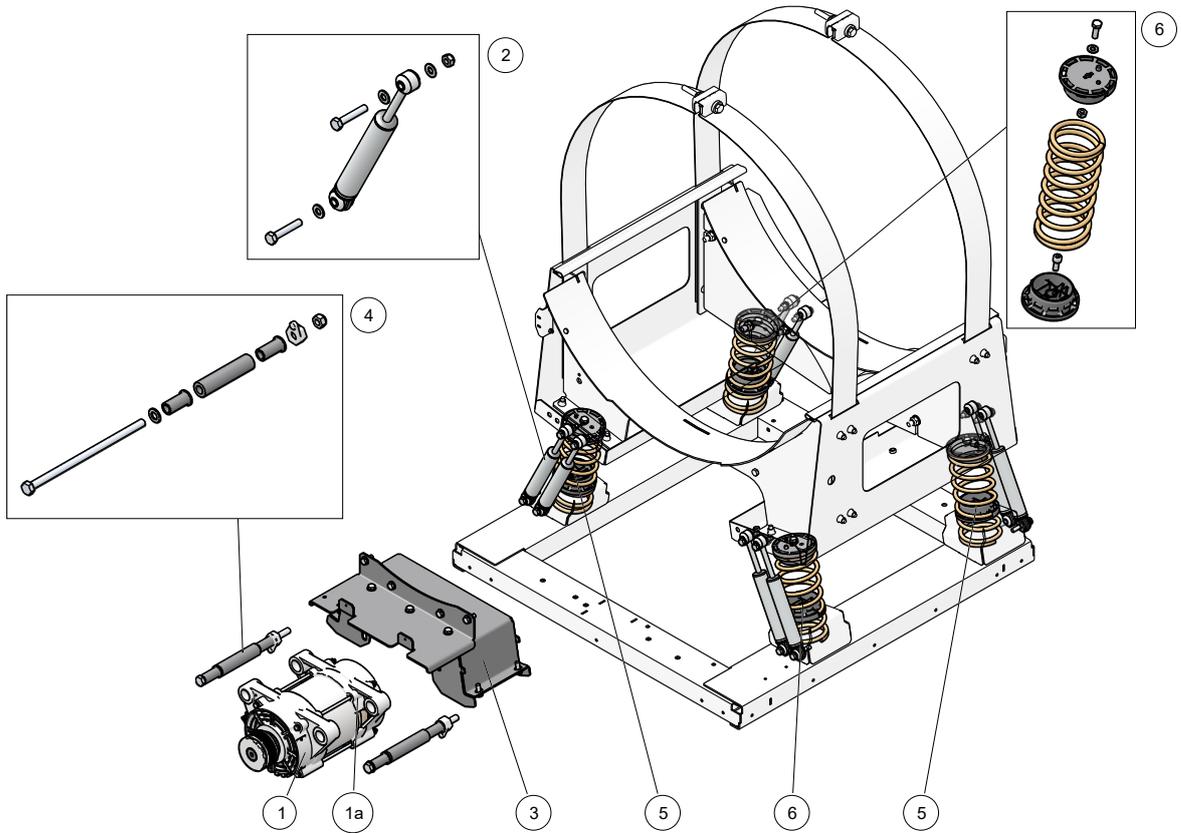
Item No.	Part Number	Part Name	Qty	Remarks
1	10469989	ASSY. LOCK AND SCREWS	1	(E3) (Includes rope)
2	10532620	ASSY. FRONT PANEL COVER AND SCREWS	1	
3	10469963	ASSY. HINGE	2	
4	10469948	ASSY. GLASS AND GASKET	1	
4a	10656577	DOOR GASKET	1	
5	10469971	ASSY. DOOR AND HINGES	1	[For painted door option] (Includes n°3(x2))
5	11206356	ASSY. DOOR AND HINGES	1	[For chromed door option] (Includes n°3(x2))
6	10469955	ASSY. HANDLE DOOR	1	
7	333294	SCREW T25 AR.18ESTR.M 6X15 INOX		



# Frame

# Frame assembly

Figure 4



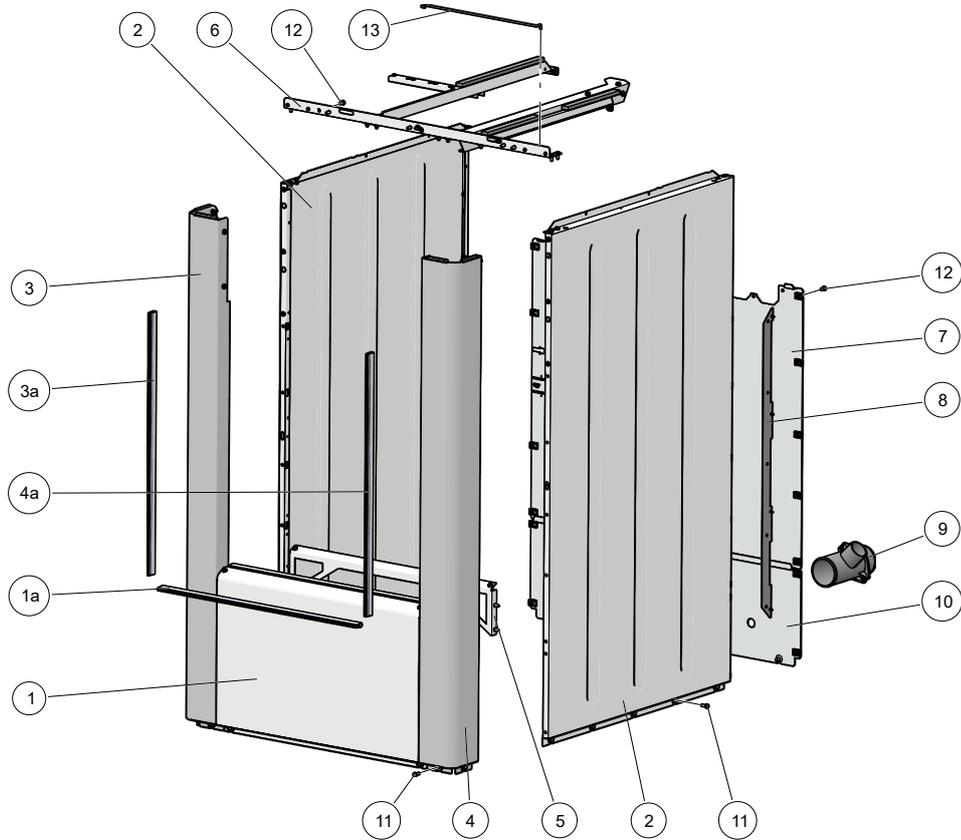
Item No.	Part Number	Part Name	Qty	Remarks
1	10100006	MOTOR ASSEMBLY MT 152-90-120/4	1	(M1)
1a	11621703	ASSY. MOTOR BALL BEARINGS	1	
2	10532554	ASSY. DAMPER	8	
3	10532570	ASSY. MOTOR SUPPORTS AND SCREWS	1	
4	10532588	ASSY. AXIS MOTOR STRUCTURE	2	
5	10532596	ASSY. LEVOROTATION SPRING	2	
6	10532604	ASSY. DEXTROROTATION SPRING	2	



# Cabinet

## Cover assembly

Figure 5



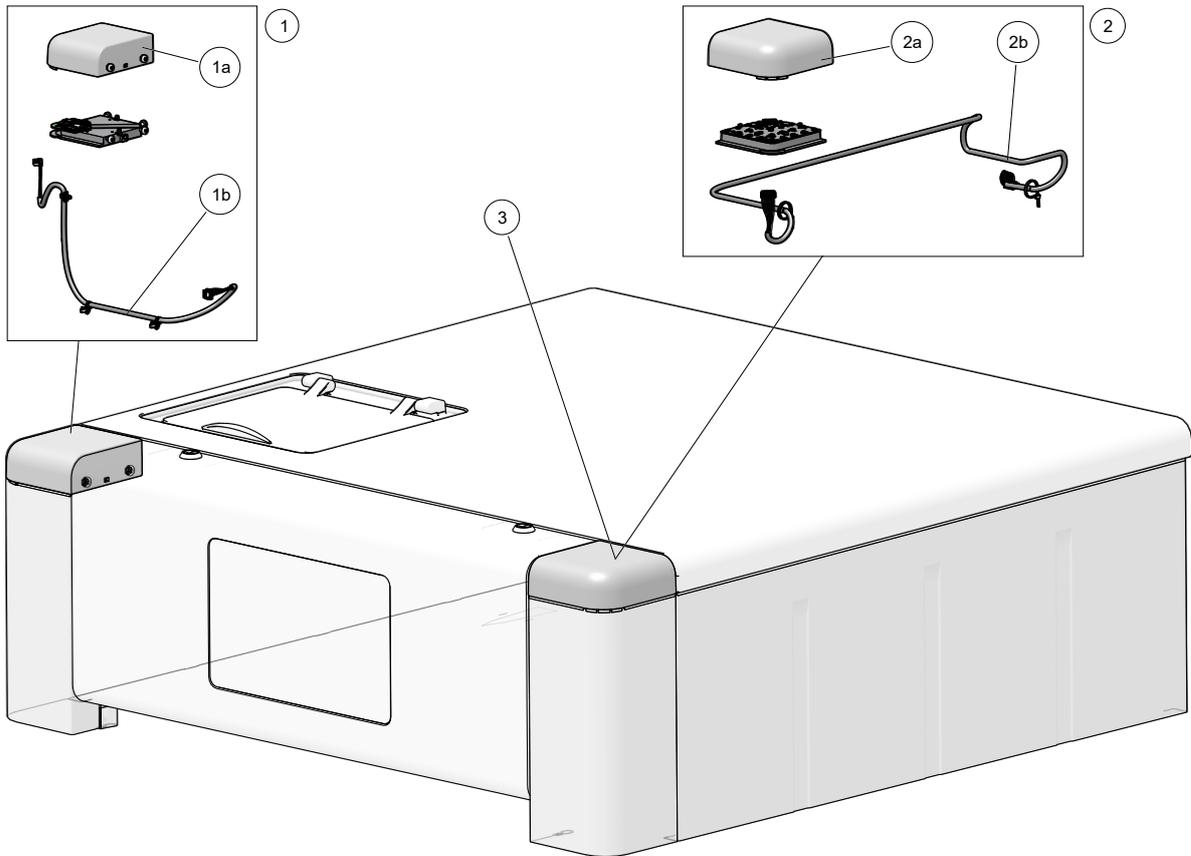
Item No.	Part Number	Part Name	Qty	Remarks
1	10531846	ASSY. FRONT PANEL COVER INOX	1	[For inox option] (Includes hardware needed)
1	10531861	ASSY. FRONT PANEL COVER TPC	1	[For pre-coated option] (Includes hardware needed)
1a	10521367	EPDM PROFILE L=636	1	
2	11273034	ASSY. SIDE COVER INOX	2	[For inox option] (Includes hardware needed)
2	11273042	ASSY. SIDE COVER TPC	2	[For pre-coated option] (Includes hardware needed)
3	10531895	ASSY. LEFT COLUMN INOX	1	[For inox option] (Includes hardware needed)
3	10531911	ASSY. LEFT COLUMN TPC	1	[For pre-coated option] (Includes hardware needed)
3a	10521102	EPDM PROFILE L=699	1	
4	10531887	ASSY. RIGHT COLUMN INOX	1	[For inox option] (Includes hardware needed)
4	10531937	ASSY. RIGHT COLUMN TPC	1	[For pre-coated option] (Includes hardware needed)
4a	10521102	EPDM PROFILE L=699	1	



Item No.	Part Number	Part Name	Qty	Remarks
5	10531952	ASSY. FRONT COVER BRACKET AND SCREWS	1	(Includes hardware needed)
6	11273075	ASSY. UPPER SUPPORTS PROFILE	1	(Includes hardware needed)
7	11273059	ASSY. UPPER REAR COVER	1	(Includes hardware needed)
8	10531986	ASSY. PROTECTION PLATE AND SCREWS	1	(Includes hardware needed)
9	10136729	ASSY. DRAIN SLEEVE AND SCREWS	1	(Includes hardware needed)
10	11273067	ASSY. LOWER REAR COVER	1	(Includes hardware needed)
11	144881	HEX SCREW DIN-933 A2-70 M6x16		
12	333294	SCREW T25 AR.18ESTR.M 6X15 INOX		
13	10032332	ROD HS	1	

## Corner assembly

Figure 6

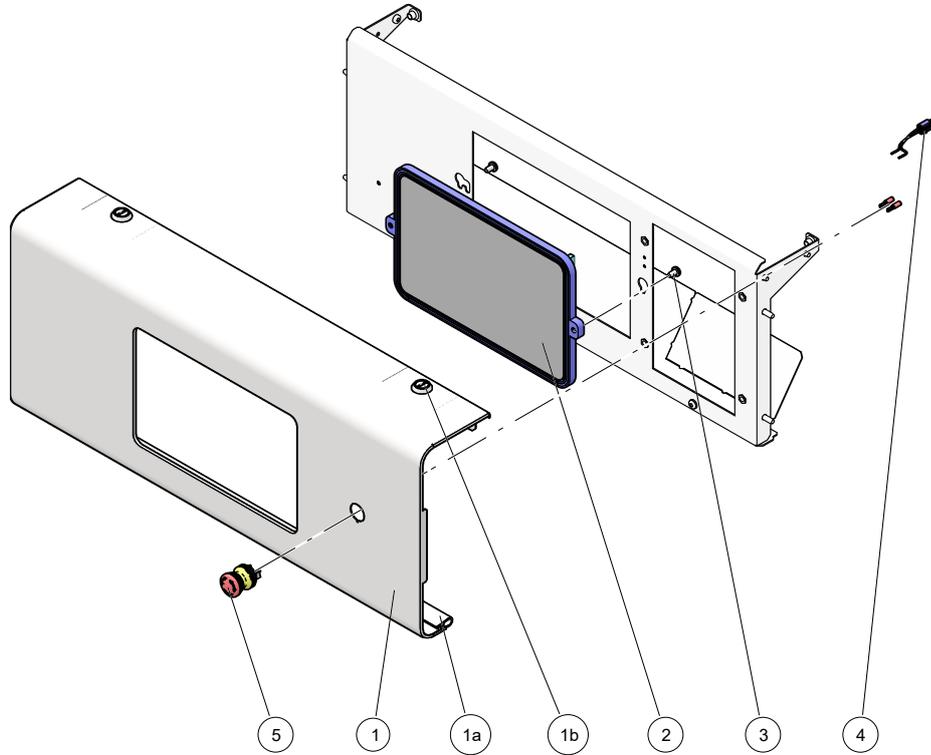


Item No.	Part Number	Part Name	Qty	Remarks
1	11257003	ASSY. SAPPHIRE CONNECT. MODULE M	1	(A7) (Includes hardware needed) (Sapphire Connectivity Board)
1a	11256997	ASSY. CORNER COVER	1	(Includes hardware needed)
1b	10443687	A1-X20 A6 ELECTRICAL WIRING	1	
2	11257011	ASSY. LED MODULE M	1	[For led module option] (A8) (Includes hardware needed)
2a	11271236	ASSY. LED CORNER COVER	1	[For led module option] (Includes hardware needed)
2b	10448777	A1-X25 A7 ELECTRICAL WIRING	1	[For led module option]
3	11256997	ASSY. CORNER COVER	1	(Includes hardware needed)

# Control panel

## Pro Control panel assembly

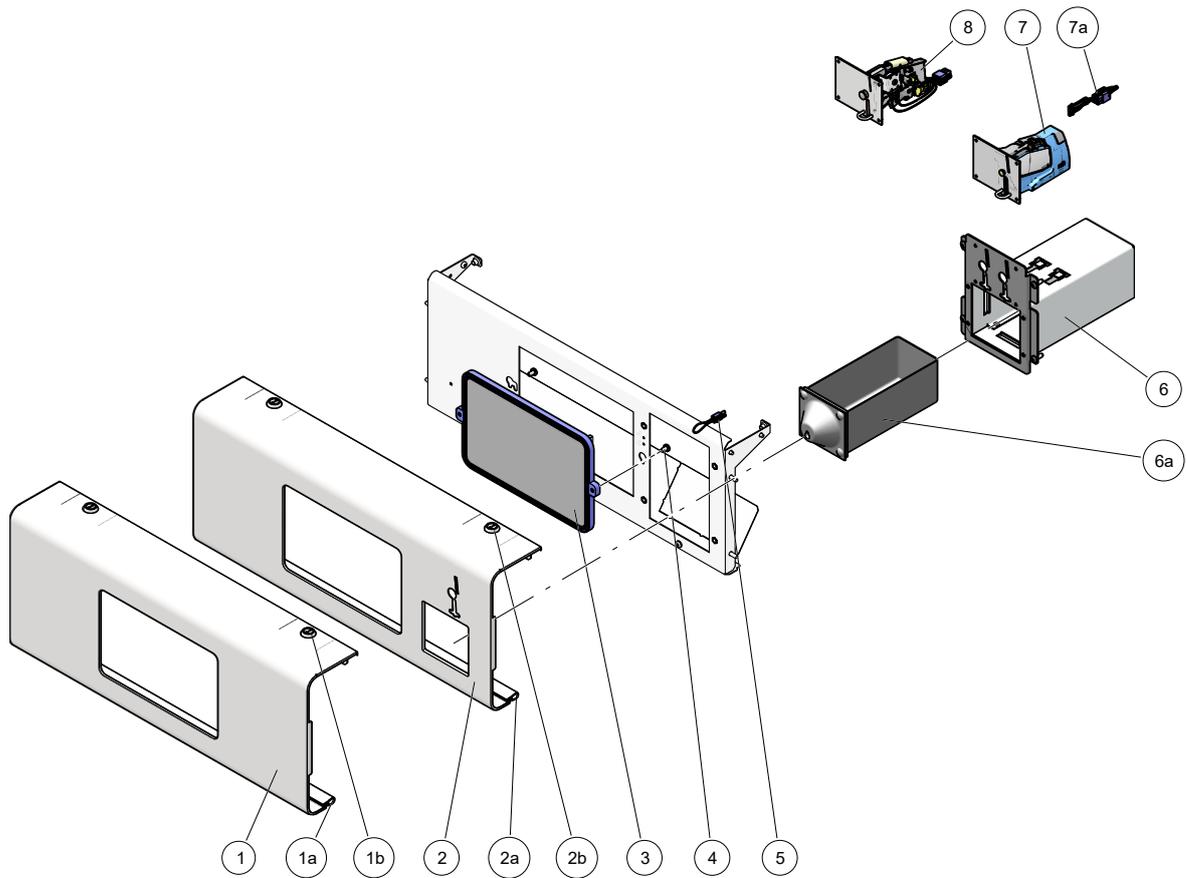
Figure 7



Item No.	Part Number	Part Name	Qty	Remarks
1	11208212	ASSY. CONTROL PANEL INOX	1	[For inox option] (Includes hardware needed)
1	11208220	ASSY. CONTROL PANEL TPC	1	[For pre-coated option] (Includes hardware needed)
1a	10521367	EPDM PROFILE L=636	1	
1b	196915	LOCK REF 20.00.02.05	2	
2	10042943	GS7 PANELLED	1	(A1,A2)
3	328245	PAN HEAD SCREW T25 AR.18ESTR.M 6X10	2	
4	10215044	XSB S1 ELECTRICAL WIRING	1	
5	647248	EMERGENCY STOP	1	(S1)

## Vended Control panel assembly

Figure 8



Item No.	Part Number	Part Name	Qty	Remarks
1	11272739	ASSY. CTRL. PANEL INOX WO COINMETER	1	[For inox option] (Includes hardware needed) (Without coinmeter)
1	11272747	ASSY. CTRL. PANEL TPC WO COINMETER	1	[For pre-coated option] (Includes hardware needed) (Without coinmeter)
1a	10521367	EPDM PROFILE L=636	1	
1b	196915	LOCK REF 20.00.02.05	2	
2	11272713	ASSY. CTRL. PANEL INOX COINMETER	1	[For inox option] (Includes hardware needed) (With coinmeter)
2	11272721	ASSY. CTRL. PANEL TPC COINMETER	1	[For pre-coated option] (Includes hardware needed) (With coinmeter)
2a	10521367	EPDM PROFILE L=636	1	
2b	196915	LOCK REF 20.00.02.05	2	
3	10042943	GS7 PANELLED	1	(A1,A2)
4	328245	PAN HEAD SCREW T25 AR.18ESTR.M 6X10	2	
5	10215572	XSB ELECTRICAL WIRING	1	



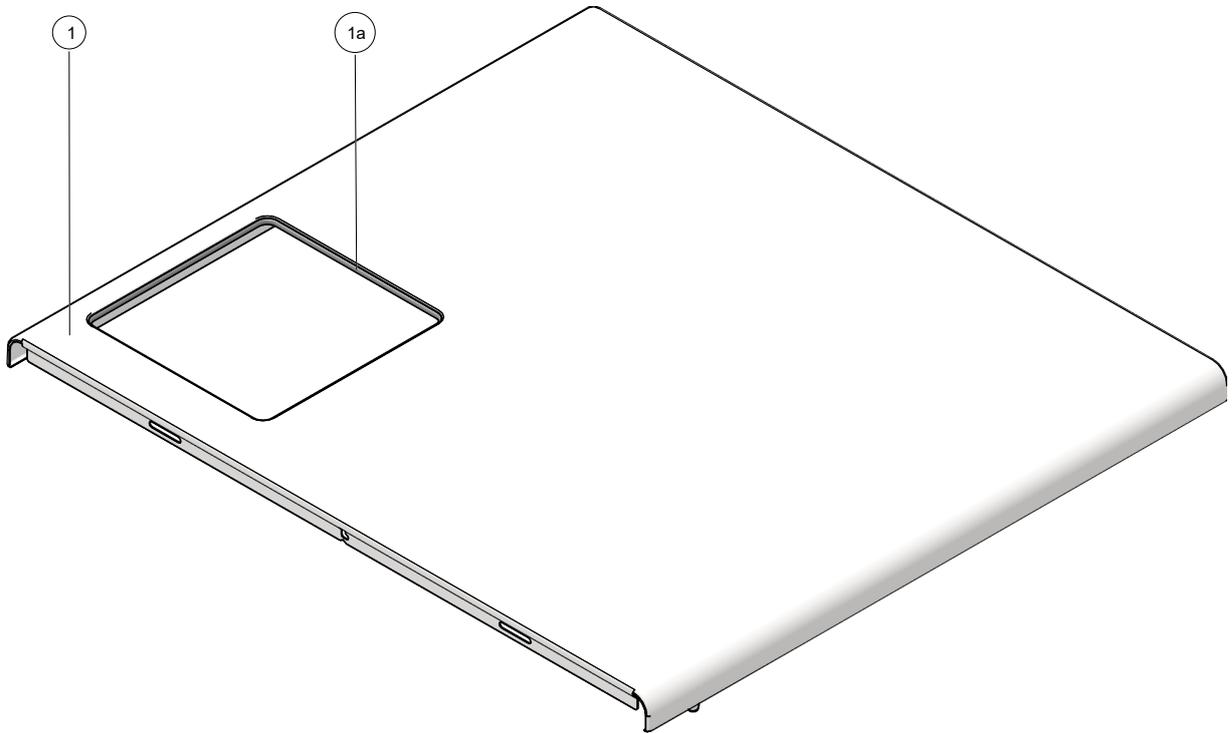
Item No.	Part Number	Part Name	Qty	Remarks
6	10192664	ASSY. COIN BOX	1	
6a	591586	COIN BOX UG800C	1	
7	10222354	ASSY. ELECTR. COIN SEL. TKN 147710	1	(B7) (TKN)
7	10222586	ASSY. ELECTR. COIN SELECT. INR+TKN	1	(B7) (INR+TKN)
7	10222362	ASSY. ELECTR. COIN SELECTOR AUD	1	(B7) (AUD)
7	10222388	ASSY. ELECTR. COIN SELECTOR CAD	1	(B7) (CAD)
7	10222339	ASSY. ELECTR. COIN SELECTOR EUR	1	(B7) (EUR)
7	10222529	ASSY. ELECTR. COIN SELECTOR ILS	1	(B7) (ILS)
7	10222479	ASSY. ELECTR. COIN SELECTOR ISK	1	(B7) (ISK)
7	10222461	ASSY. ELECTR. COIN SELECTOR JPY	1	(B7) (JPY)
7	10222578	ASSY. ELECTR. COIN SELECTOR MYR	1	(B7) (MYR)
7	10222552	ASSY. ELECTR. COIN SELECTOR SGD	1	(B7) (SGD)
7	10222453	ASSY. ELECTR. COIN SELECTOR USD	1	(B7) (USD)
7a	10431864	B7 - XCB ELECTRICAL WIRING	1	
8	10222602	ASSY. COIN METER 0.25USD	1	(B6) (0.25USD)
8	10222610	ASSY. COIN METER 10NTD	1	(B6) (10NTD)
8	10222628	ASSY. COIN METER 500KRW	1	(B6) (500KRW)



## Upper cover

## Upper cover assembly

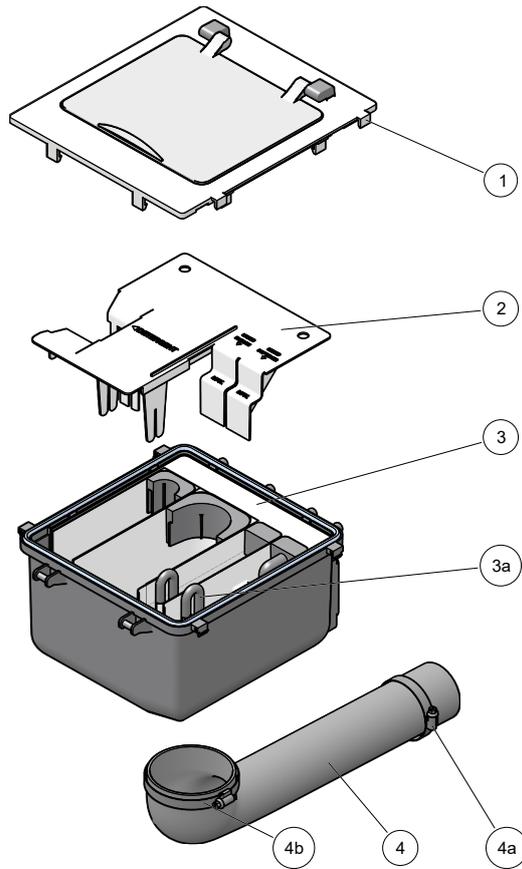
Figure 9



Item No.	Part Number	Part Name	Qty	Remarks
1	11011764	TOP COVER	1	[For inox option]
1	11011459	TOP COVER	1	[For pre-coated option]
1a	165472	EPDM PROFILE	1	

## Dispenser assembly

Figure 10



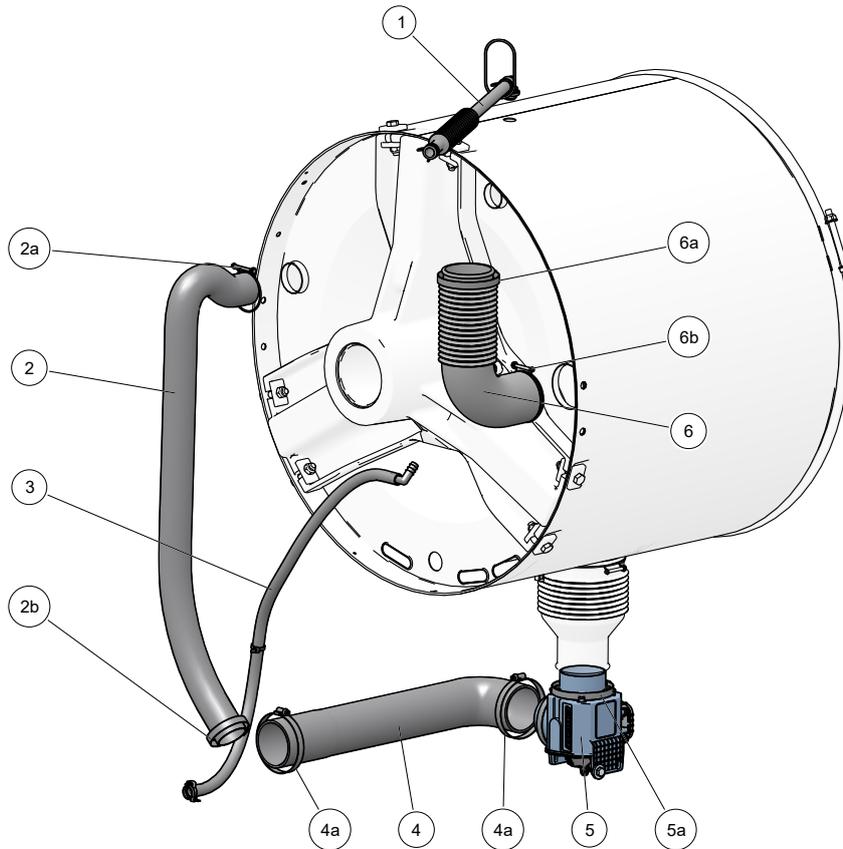
Item No.	Part Number	Part Name	Qty	Remarks
1	11199361	ASSY. DISPENSER COVER 3 BOX	1	[For 3 box option]
1	11199353	ASSY. DISPENSER COVER 4 BOX	1	[For 4 box option]
2	344101	SOAP DOSING INSERT	1	[For 3 box option] (For vended USA)
3	511584	DISPENSER ASSEMBLY	1	
3a	339598	ASPIRATION HOSE	2	
4	10614469	ASSY. DISPENSER ELBOW AND HOSES	1	
4a	132290	HOSE CLAMP W2 Ø50-70	1	
4b	132340	HOSE CLAMP W2 Ø80-100	1	



# Drain

## Drain assembly

Figure 11

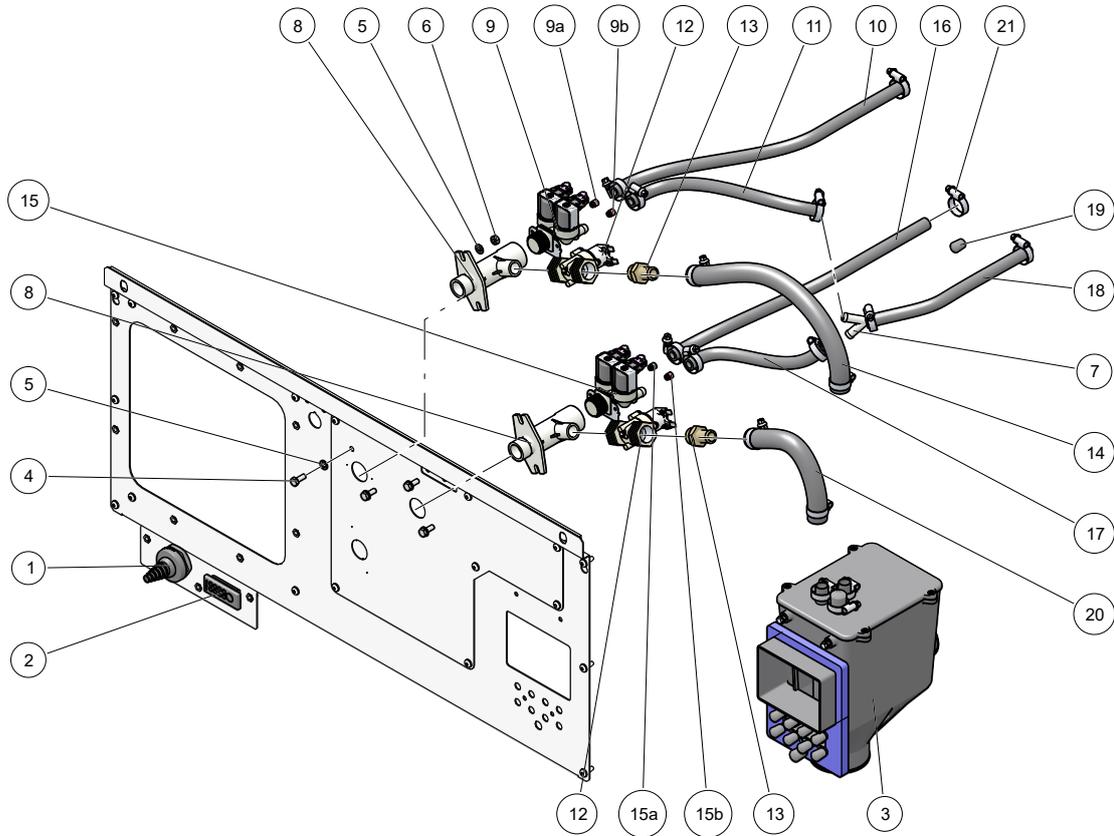


Item No.	Part Number	Part Name	Qty	Remarks
1	10136901	ASSY. VAPOUR HOSE AND CLAMPS	1	
2	10136976	ASSY. OVERFLOW HOSE AND CLAMPS	1	
2a	340505	WIRE HOSE CLAMP Ø58xØ50	1	
2b	132290	HOSE CLAMP W2 Ø50-70	1	
3	11623170	ASSY. BEARING BOX HOSE AND CLAMPS	1	
4	10136877	ASSY. DRAIN HOSE AND CLAMPS	1	
4a	132340	HOSE CLAMP W2 Ø80-100	2	
5	10222321	ASSY. DRAIN AND CLAMPS	1	(M3) (Includes hardware needed)
5a	132340	HOSE CLAMP W2 Ø80-100	2	
6	10253441	ASSY. OUTER-DRUM COLLECTOR BELLOWS	1	
6a	132340	HOSE CLAMP W2 Ø80-100	1	
6b	333443	WIRE HOSE CLAMP Ø90xØ78	1	

## Rear panel

## Rear panel assembly, 3 compartments

Figure 12



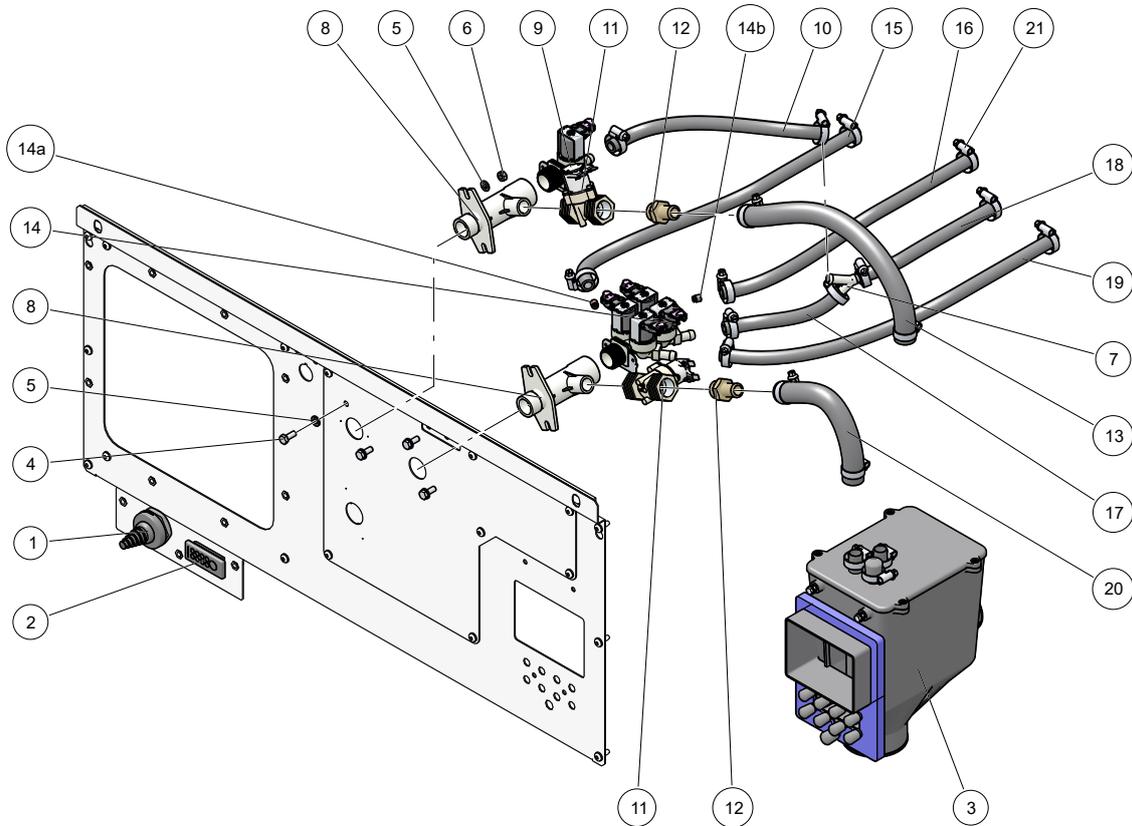
Item No.	Part Number	Part Name	Qty	Remarks
1	10492676	PYRAMID M32 CABLE ENTRY	1	
2	10497642	MEMBRANA ENTRADA CABLE 46x18	1	
3	10137032	ASSY. DISTRIBUTOR	1	
4	146233	HEX SCREW DIN-933 8,8 M6x16 TRIVALENT	4	
5	149526	WASHER DIN 125B M6 TRIVALENT	8	
6	150227	HEX NUT DIN-934 8 M6 TRIVALENT	4	
7	152165	BRANCH	1	
8	333682	ELECTROVALVE BRACKET	2	
9	10134138	2-WAY SOLENOID VALVE	1	(Y6,Y8)
9a	510933	REGULATOR 4L/MIN (LIGHT RED)	1	
9b	156257	REGULATOR 8L/MIN (RED)	1	
10	10263879	ASSY. WATER INLET HOSE AND CLAMPS	1	
11	10263911	ASSY. WATER INLET HOSE AND CLAMPS	1	
12	10241263	SOLENOID VALVE 1 WAY 1/2"	2	(Y1,Y2)
13	333690	FITTING 243 MI DE 1/2" BRASS	2	
14	10263937	ASSY. WATER INLET HOSE AND CLAMPS	1	



Item No.	Part Number	Part Name	Qty	Remarks
15	10134260	2-WAY SOLENOID VALVE	1	(Y5,Y7)
15a	156265	REGULATOR 3L/MIN (BLACK)	1	
15b	156257	REGULATOR 8L/MIN (RED)	1	
16	10263929	ASSY. WATER INLET HOSE AND CLAMPS	1	
17	10263945	ASSY. WATER INLET HOSE AND CLAMPS	1	
18	10263895	ASSY. WATER INLET HOSE AND CLAMPS	1	
19	156679	ROUND FLEXIBLE FERRULE $\varnothing$ 10	1	
20	10263960	ASSY. WATER INLET HOSE AND CLAMPS	1	
21	156109	HOSE CLAMP W2 $\varnothing$ 16-27		

## Rear panel assembly, 4 compartments

Figure 13



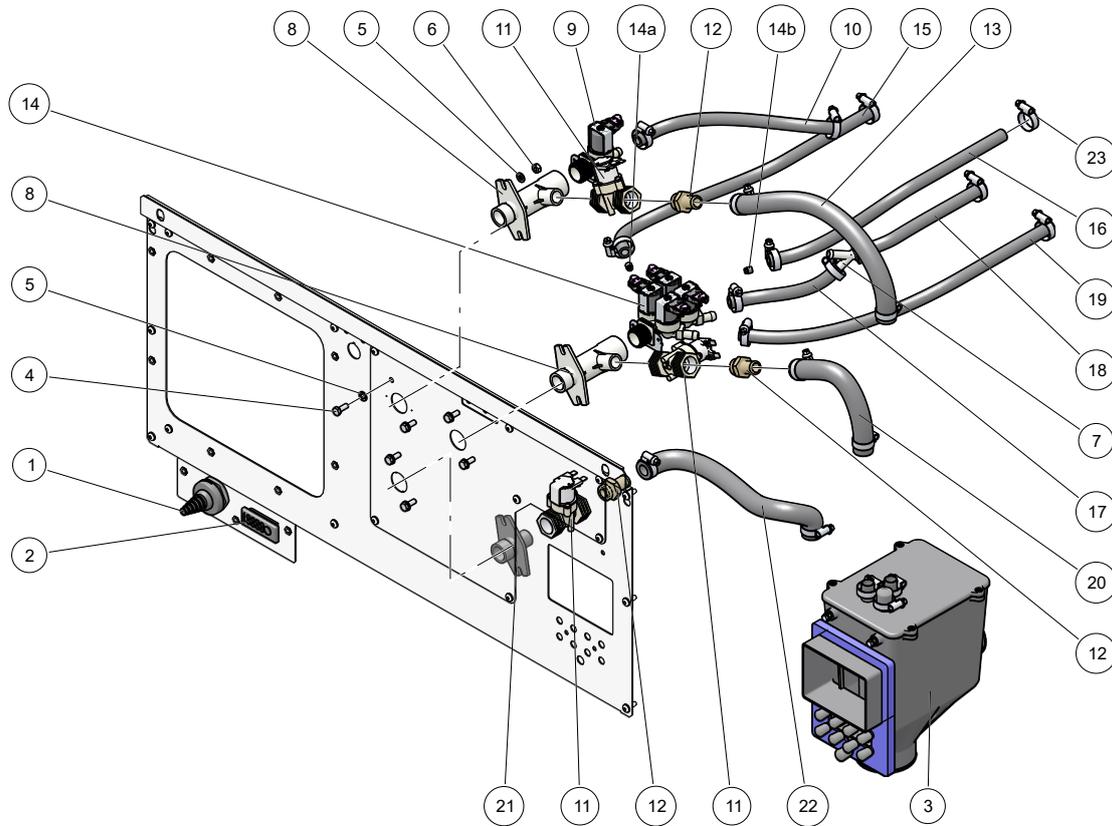
Item No.	Part Number	Part Name	Qty	Remarks
1	10492676	PYRAMID M32 CABLE ENTRY	1	
2	10497642	MEMBRANA ENTRADA CABLE 46x18	1	
3	10137032	ASSY. DISTRIBUTOR	1	
4	146233	HEX SCREW DIN-933 8,8 M6x16 TRIVALENT	4	
5	149526	WASHER DIN 125B M6 TRIVALENT	8	
6	150227	HEX NUT DIN-934 8 M6 TRIVALENT	4	
7	152165	BRANCH	1	
8	333682	ELECTROVALVE BRACKET	2	
9	10268597	SOLENOID VALVE 1 WAY 3/4"	1	(Y6)
10	10264067	ASSY. WATER INLET HOSE AND CLAMPS	1	
11	10241263	SOLENOID VALVE 1 WAY 1/2"	2	(Y1,Y2)
12	333690	FITTING 243 MI DE 1/2" BRASS	2	
13	10263937	ASSY. WATER INLET HOSE AND CLAMPS	1	
14	11245925	4-WAY SOLENOID VALVE	1	(Y4,Y5,Y7,Y8)
14a	510933	REGULATOR 4L/MIN (LIGHT RED)	1	
14b	156265	REGULATOR 3L/MIN (BLACK)	1	



Item No.	Part Number	Part Name	Qty	Remarks
15	10264042	ASSY. WATER INLET HOSE AND CLAMPS	1	
16	10264034	ASSY. WATER INLET HOSE AND CLAMPS	1	
17	12188587	ASSY. WATER INLET HOSE AND CLAMPS	1	
18	10263994	ASSY. WATER INLET HOSE AND CLAMPS	1	
19	10264059	ASSY. WATER INLET HOSE AND CLAMPS	1	
20	10263960	ASSY. WATER INLET HOSE AND CLAMPS	1	
21	156109	HOSE CLAMP W2 Ø16-27		

## Rear panel assembly, 4 compartments, 3 water inlets

Figure 14



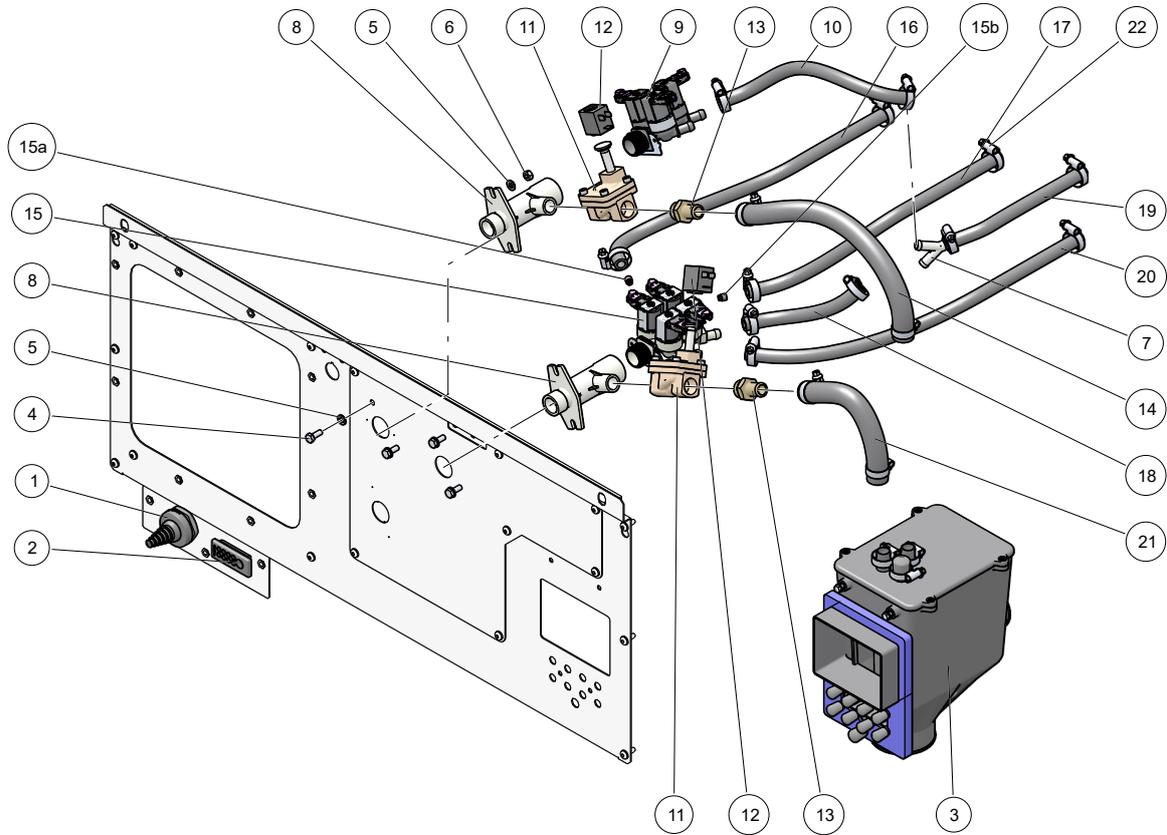
Item No.	Part Number	Part Name	Qty	Remarks
1	10492676	PYRAMID M32 CABLE ENTRY	1	
2	10497642	MEMBRANA ENTRADA CABLE 46x18	1	
3	10137032	ASSY. DISTRIBUTOR	1	
4	146233	HEX SCREW DIN-933 8,8 M6x16 TRIVALENT	6	
5	149526	WASHER DIN 125B M6 TRIVALENT	12	
6	150227	HEX NUT DIN-934 8 M6 TRIVALENT	6	
7	152165	BRANCH	1	
8	333682	ELECTROVALVE BRACKET	2	
9	10268597	SOLENOID VALVE 1 WAY 3/4"	1	(Y6)
10	10264091	ASSY. WATER INLET HOSE AND CLAMPS	1	
11	10241263	SOLENOID VALVE 1 WAY 1/2"	3	(Y1,Y2,Y3)
12	333690	FITTING 243 MI DE 1/2" BRASS	3	
13	10263937	ASSY. WATER INLET HOSE AND CLAMPS	1	
14	11245925	4-WAY SOLENOID VALVE	1	(Y4,Y5,Y7,Y8)
14a	510933	REGULATOR 4L/MIN (LIGHT RED)	1	
14b	156265	REGULATOR 3L/MIN (BLACK)	1	



Item No.	Part Number	Part Name	Qty	Remarks
15	10264042	ASSY. WATER INLET HOSE AND CLAMPS	1	
16	10264034	ASSY. WATER INLET HOSE AND CLAMPS	1	
17	12188587	ASSY. WATER INLET HOSE AND CLAMPS	1	
18	10264125	ASSY. WATER INLET HOSE AND CLAMPS	1	
19	10264059	ASSY. WATER INLET HOSE AND CLAMPS	1	
20	10263960	ASSY. WATER INLET HOSE AND CLAMPS	1	
21	338152	ELECTROVALVE BRACKET	1	
22	10264083	ASSY. WATER INLET HOSE AND CLAMPS	1	
23	156109	HOSE CLAMP W2 Ø16-27		

## Rear panel assembly, 4 compartments (WRAS)

Figure 15



Item No.	Part Number	Part Name	Qty	Remarks
1	10492676	PYRAMID M32 CABLE ENTRY	1	
2	10497642	MEMBRANA ENTRADA CABLE 46x18	1	
3	10137032	ASSY. DISTRIBUTOR	1	
4	146233	HEX SCREW DIN-933 8,8 M6x16 TRIVALENT	4	
5	149526	WASHER DIN 125B M6 TRIVALENT	8	
6	150227	HEX NUT DIN-934 8 M6 TRIVALENT	4	
7	152165	BRANCH	1	
8	333682	ELECTROVALVE BRACKET	2	
9	11333119	3-WAY SOLENOID VALVE	1	(Y6)
10	10264166	ASSY. WATER INLET HOSE AND CLAMPS	1	
11	333708	VALVE EV220A G12 042U4022	2	(Y1,Y2)
12	333716	COIL 5W 12VCC	2	(Y1,Y2)
13	333690	FITTING 243 MI DE 1/2" BRASS	2	
14	10263937	ASSY. WATER INLET HOSE AND CLAMPS	1	
15	11245925	4-WAY SOLENOID VALVE	1	(Y4,Y5,Y7,Y8)
15a	510933	REGULATOR 4L/MIN (LIGHT RED)	1	



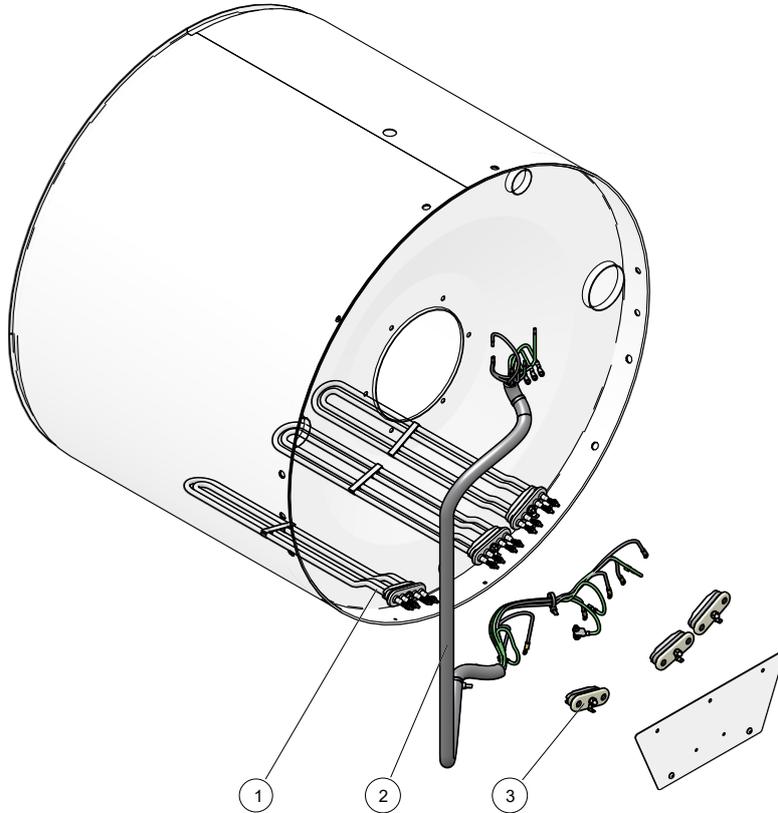
Item No.	Part Number	Part Name	Qty	Remarks
15b	156265	REGULATOR 3L/MIN (BLACK)	1	
16	10264042	ASSY. WATER INLET HOSE AND CLAMPS	1	
17	10264034	ASSY. WATER INLET HOSE AND CLAMPS	1	
18	12188587	ASSY. WATER INLET HOSE AND CLAMPS	1	
19	10263994	ASSY. WATER INLET HOSE AND CLAMPS	1	
20	10264059	ASSY. WATER INLET HOSE AND CLAMPS	1	
21	10263960	ASSY. WATER INLET HOSE AND CLAMPS	1	
22	156109	HOSE CLAMP W2 Ø16-27		



# Heating

## Electric heating assembly

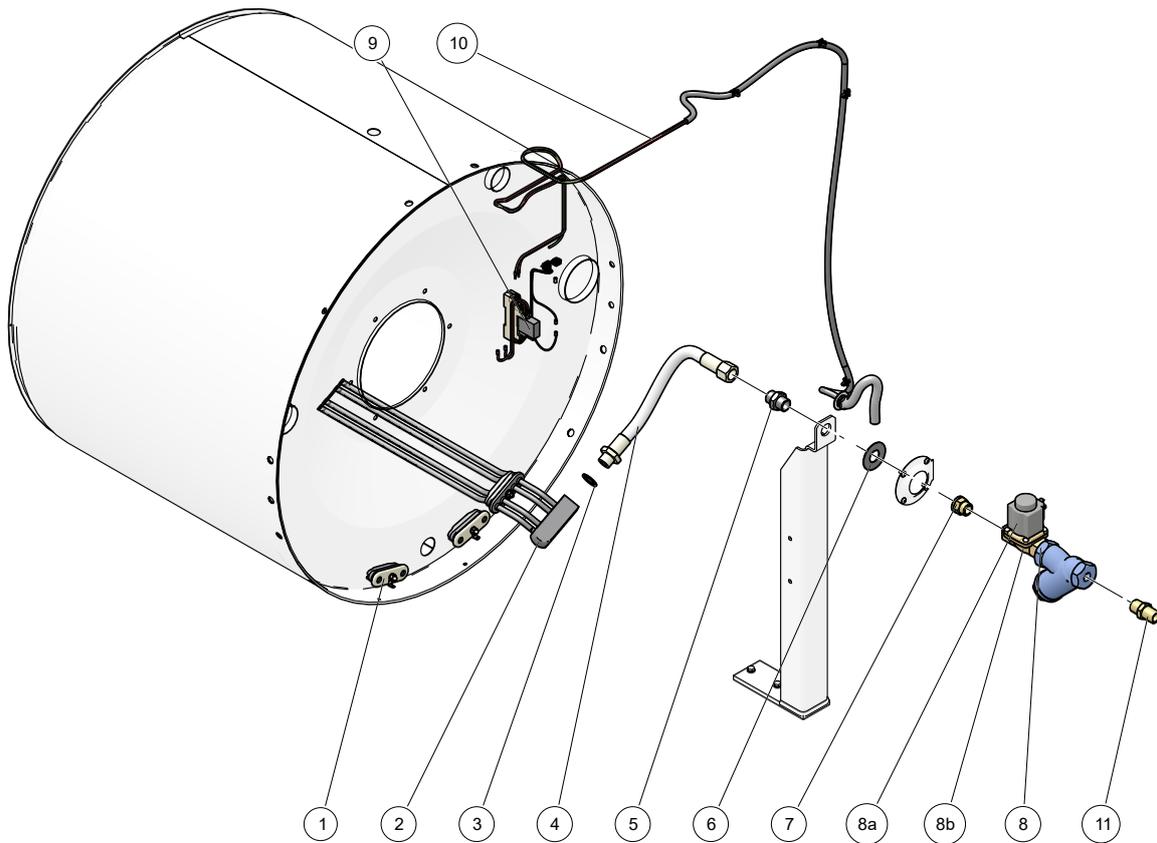
Figure 16



Item No.	Part Number	Part Name	Qty	Remarks
1	11331600	HEATER 240V 5000W	3	(R1,R2,R3,R4,R4a,R5,R5a)
2	12527123	ASSY. ELECTR HEATING WIRING	1	
3	121962	HEATER INLET LID	3	[For hot water option]

## Steam heating assembly

Figure 17



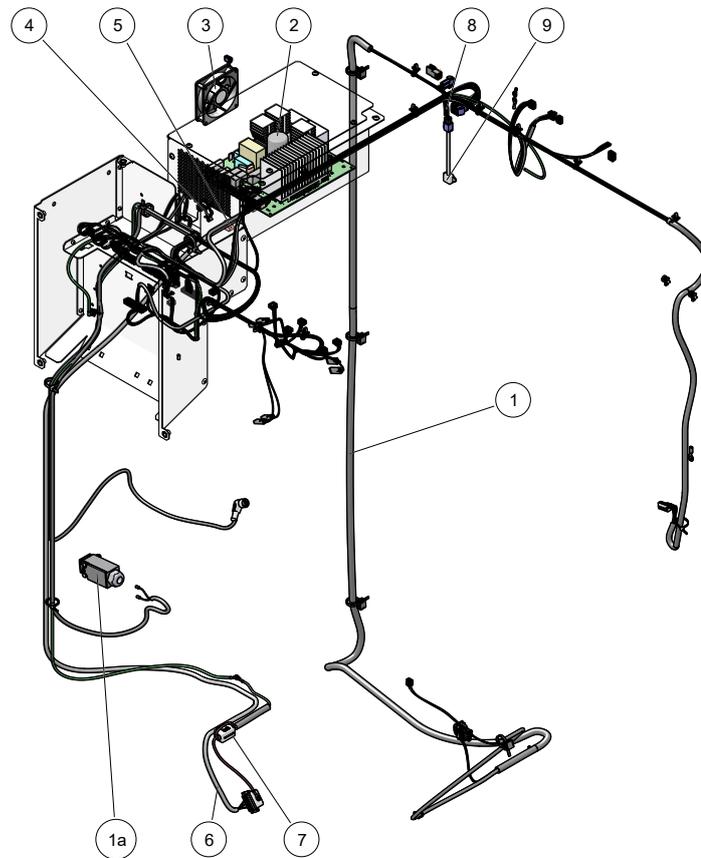
Item No.	Part Number	Part Name	Qty	Remarks
1	121962	HEATER INLET LID	2	
2	108431	STEAM DISTRIBUTOR	1	
3	109777	COPPER GASKET 1/2" 12504	1	
4	10014199	STEAM INLET JOINTING	1	
5	156216	JOINTING SCREW 10903 1/2"	1	
6	608364	STEAM PROTECTION SHEET	1	
7	183525	MARSELLA FITTING M-F 1/2" BRASS	1	
8	583401	STEAM GROUP ENTRY 1/2"	1	(Y10)
8a	583385	STEAM VALVE COIL 208-240V 50/60Hz	1	(Y10)
8b	583369	STEAM VALVE BODY 1/2"	1	(Y10)
9	10246833	STEAM ELECTRICAL WIRING	1	
10	10362689	KM1 Y10 ELECTRICAL WIRING	1	
11	251355	DOUBLE MALE SLEEVE 1/2"	1	(For USA)
	11004561	ASSY. STEAM HEATING	1	(Includes n°1-10, steam inlet support and hardware needed)



# Electrical wiring

## General electrical assembly

Figure 18



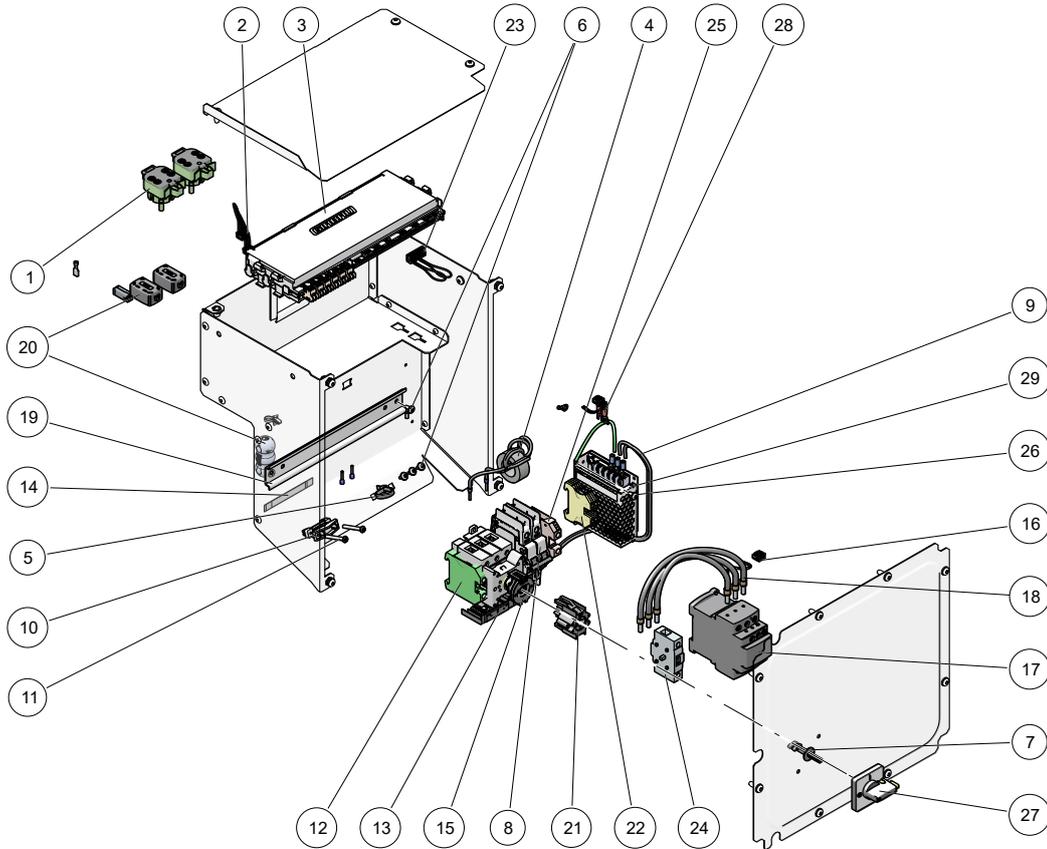
Item No.	Part Number	Part Name	Qty	Remarks
1	10961787	ELECTRICAL WIRING	1	(General harness)
1a	10347516	ASSY. UNBALANCE DETECTOR	1	(S2)
1b	10247104	A1-X6 A5-X29 ELECTRICAL WIRING	1	(HMI-1 PRO Board - EM-1 Board)
1c	10228245	A4-X10 U1-X4 ELECTRICAL WIRING	1	(IO-W1 Board - Frequency inverter)
1d	10246452	A4-X11 U1-X5 ELECTRICAL WIRING	1	(IO-W1 Board - Frequency inverter)
1e	10179083	A4-X12 E3 ELECTRICAL WIRING	1	(IO-W1 Board - Door lock)
1f	10486322	A4-X13 Y1 Y2 ELECTRICAL WIRING	1	(IO-W1 Board - Water input solenoid)
1g	10229474	A4-X14 Y3 ELECTRICAL WIRING	1	(IO-W1 Board - Water input solenoid)
1h	10000974	A4-X16 B4 B5 ELECTRICAL WIRING	1	(IO-W1 Board - Water level detector)
1i	10456697	A4-X17 A1-X1 ELECTRICAL WIRING	1	(IO-W1 Board - HMI-1 PRO Board)
1j	10248466	A4-X17 B3 ELECTRICAL WIRING	1	(IO-W1 Board - Rotation sensor)
1k	10888956	A4-X20 Y4-8 ELECTRICAL WIRING	1	(IO-W1 Board - Dispenser solenoid valve)



Item No.	Part Number	Part Name	Qty	Remarks
1l	10168946	A4-X23 XCA ELECTRICAL WIRING	1	(IO-W1 Board - Electr. coin selector)
1m	10212140	A4-X9 S1 ELECTRICAL WIRING	1	(IO-W1 Board - Emergency stop)
1n	10965762	A4-X22 M3 B2 S2 ELECTRICAL WIRING	1	(IO-W1 Board - Drain motor, temperatura sensor, unbalance switch)
1o	10246619	U1-X3B A1-X3 ELECTRICAL WIRING	1	(Frequency inverter - HMI-1 PRO Board)
2	10889657	E18 INVERTER SR	1	(U1)
3	10383685	FAN M2	1	(M2)
4	199893	CLAMP STL-450-3-01	1	
5	350694	ALUMINIUM CLAMP AL4	1	
6	10582229	MOTOR ELECTRICAL WIRING	1	(Frequency inverter - Motor)
7	10254746	UNLOADING RESISTOR	1	
8	11070844	A1-X8 B1 ELECTRICAL WIRING	1	(HMI-1 PRO Board - Accelerometer)
9	10241917	-	1	(B1)

## Electrical junction box assembly

Figure 19



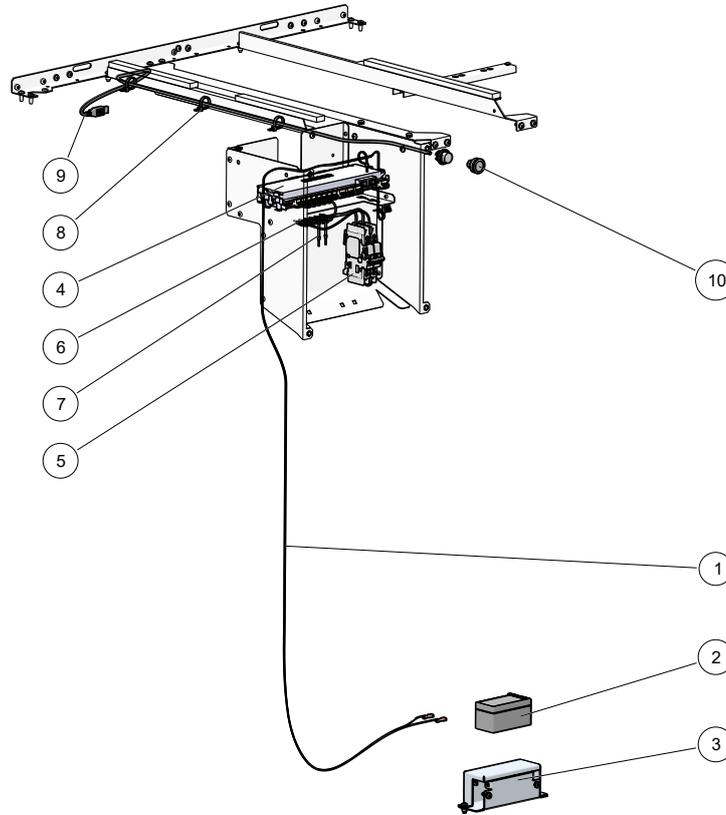
Item No.	Part Number	Part Name	Qty	Remarks
1	10240521	PRESSURE SENSOR	2	(B4,B5)
2	10485563	A4-X8 A5-X1 ELECTRICAL WIRING	1	
3	647164	IO-W1 BOARD	1	(A4)
4	10374411	Q1 F1-2 ELECTRICAL WIRING	1	
5	140525	CABLE TIE 4.8x188 BLACK	1	
6	183400	PLATE SCREW M4x12 T25	5	
7	10198604	INTERLOCK SHAFT 44	1	[For electr. heating option] [3PH]
7	10198646	INTERLOCK SHAFT 52	1	[For hot water / steam option]
7	10198653	INTERLOCK SHAFT 52 METAL	1	[For electr. heating option] [1PH]
8	10018406	AUTOMATIC SWITCH 8A CURVE D 2 POLES	1	(F1) (Not ETL)
8	10452779	AUTOMATIC SWITCH 8A CURVE D 2 POLES	1	(F1) (ETL)
9	10374965	F1-2 A3 ELECTRICAL WIRING	1	
10	10307452	HOSE RETAINING FLANGE	1	
11	10314540	PLASTIC SELF SCREW 4x35	2	
12	312322	GROUND TERMINAL WPE 16	1	



Item No.	Part Number	Part Name	Qty	Remarks
13	10390862	TERMINAL COVER 16A 3P	1	[For hot water / steam option]
13	10392835	TERMINAL COVER 32A 4P	1	[For electr. heating option] [3PH]
13	10394781	TERMINAL COVER 63A 3P	1	[For electr. heating option] [1PH]
14	340992	CONNECTING TERMINAL PLATE	1	[For hot water / steam option]
14	411215	CONNECTION TERMINAL PLATE	1	[For electr. heating option] [3PH]
14	321265	CONNECTION TERMINAL PLATE	1	[For electr. heating option] [1PH]
15	10101442	SECTION SWITCH 16A	1	[For hot water / steam option] (Q1)
15	10118776	SECTION SWITCH 32A	1	[For electr. heating option] [3PH] (Q1)
15	10118891	SECTION SWITCH 63A	1	[For electr. heating option] [1PH] (Q1)
16	10001303	A4-X19 KM1 ELECTRICAL WIRING	1	[For electr. heating option]
17	647255	CONTACTOR 12VDC 50 A	1	[For electr. heating option] (KM1)
18	10430031	Q1 KM1 ELECTRICAL WIRING	1	[For electr. heating option]
19	245571	CONTACTORS FIXATION PROFILE	1	
20	10569952	F1-2 U1-X1 ELECTRICAL WIRING	1	
21	10248870	SHAFT EXTENSION	1	
22	312280	GROUND TERMINAL WPE 4	2	
23	10278828	A4-X18 ELECTRICAL WIRING	1	
24	10239390	ADDITIONAL NEUTRAL POLE 32 A	1	[For electr. heating option] [3PH]
25	312314	TERMINAL WDU 16 BEIGE	1	[For electr. heating option] [3PH]
26	183400	PLATE SCREW M4x12 T25	2	
27	10095610	SWITCH HANDLE	1	
28	10889798	A4-X26 A3 ELECTRICAL WIRING	1	
29	647198	POWER SUPPLY 85-264VAC /12VDC 50W	1	(A3)

## Auxiliary electrical assembly

Figure 20



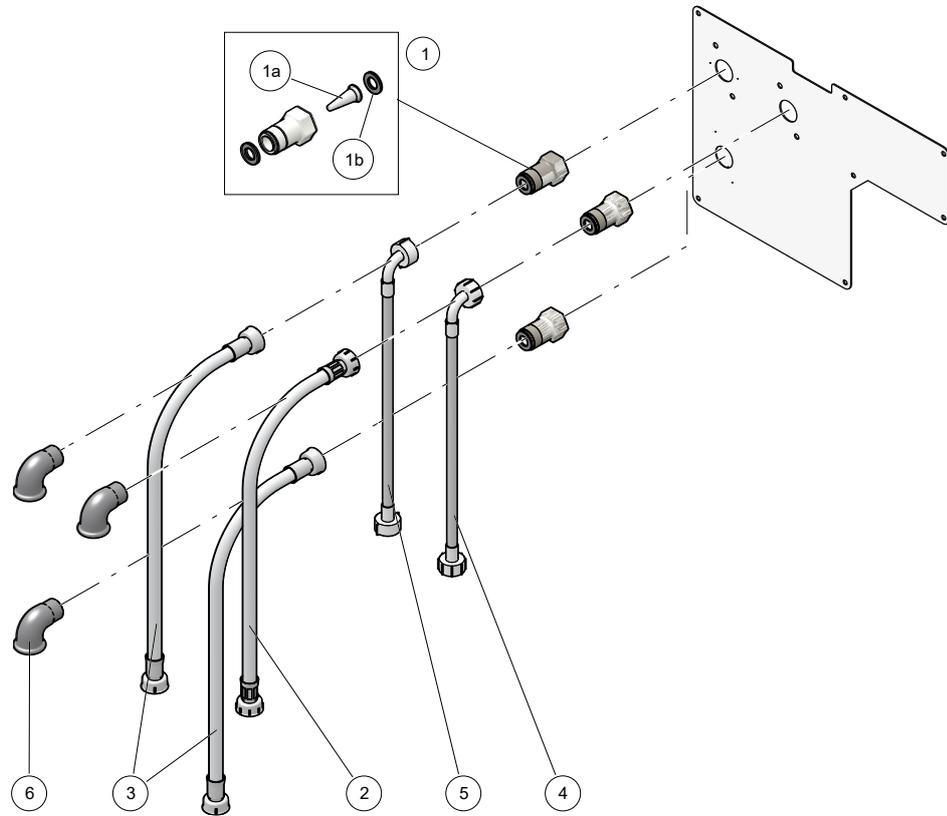
Item No.	Part Number	Part Name	Qty	Remarks
1	10233245	A4-X27 G1 ELECTRICAL WIRING	1	[For battery option]
2	647206	BATTERY 12V 1.2Ah	1	[For battery option] (G1)
3	10347490	ASSY. BATTERY BOX	1	[For battery option] (Includes hardware needed)
4	647172	EM-1 BOARD	1	[For EB EM1 option] (A5)
5	10194462	AUTOMATIC SWITCH 0,5A CURVE D 2 POLES	1	[For ext. dos. supply option]
6	10162485	A4 X1-X6 A5 X7-X12 ELECTRICAL WIRING	1	[For ext. dos. supply option]
7	11437472	F2 - F3 ELECTRICAL WIRING	1	[For ext. dos. supply option]
8	140525	CABLE TIE 4.8x188 BLACK	3	[For USB option]
9	10534758	2M PANEL MOUNT USB	1	[For USB option] (E1)
10	10243046	USB DUMMY TOP	1	[For not USB option]



## Additional parts

## Water inlet hoses assembly

Figure 21



Item No.	Part Number	Part Name	Qty	Remarks
1	11004967	ASSY. WATER INLET PIPE FILTER	2/3	[For 2/3 water inputs option]
1	11004975	ASSY. WATER INLET PIPE FILTER USA	2/3	[For 2/3 water inputs option] (ETL)
1a	315614	CONICAL FILTER REF 4008-2-1	1	
1b	114348	GASKET MIFLEX $\varnothing 24 \times \varnothing 13.5 \times 2$	2	
2	11004983	ASSY. WATER INLET AF	1	(Includes x2 gaskets 114348)
3	11004991	ASSY. WATER INLET AC	1/2	[For 2/3 water inputs option] (Incluye x2 juntas 114348)
4	11005006	ASSY. WATER INLET AF WRAS	1	(Includes x2 gaskets 114348) (WRAS)
5	11005014	ASSY. WATER INLET AC WRAS	1	(Includes x2 gaskets 114348) (WRAS)
6	129502	ELBOW FIG. 92 3/4" GALV.	2/3	[For 2/3 water inputs option] (Output 90°)