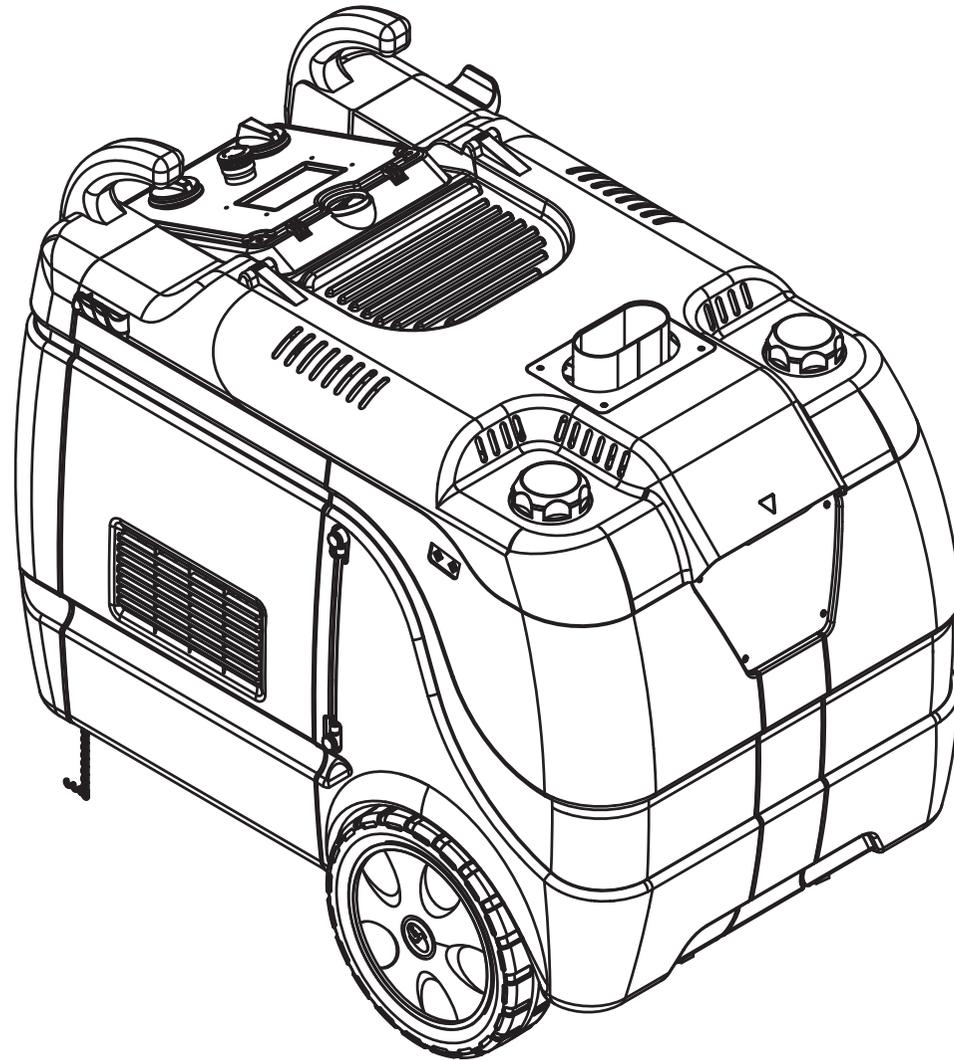


# OPTIMA STEAMER

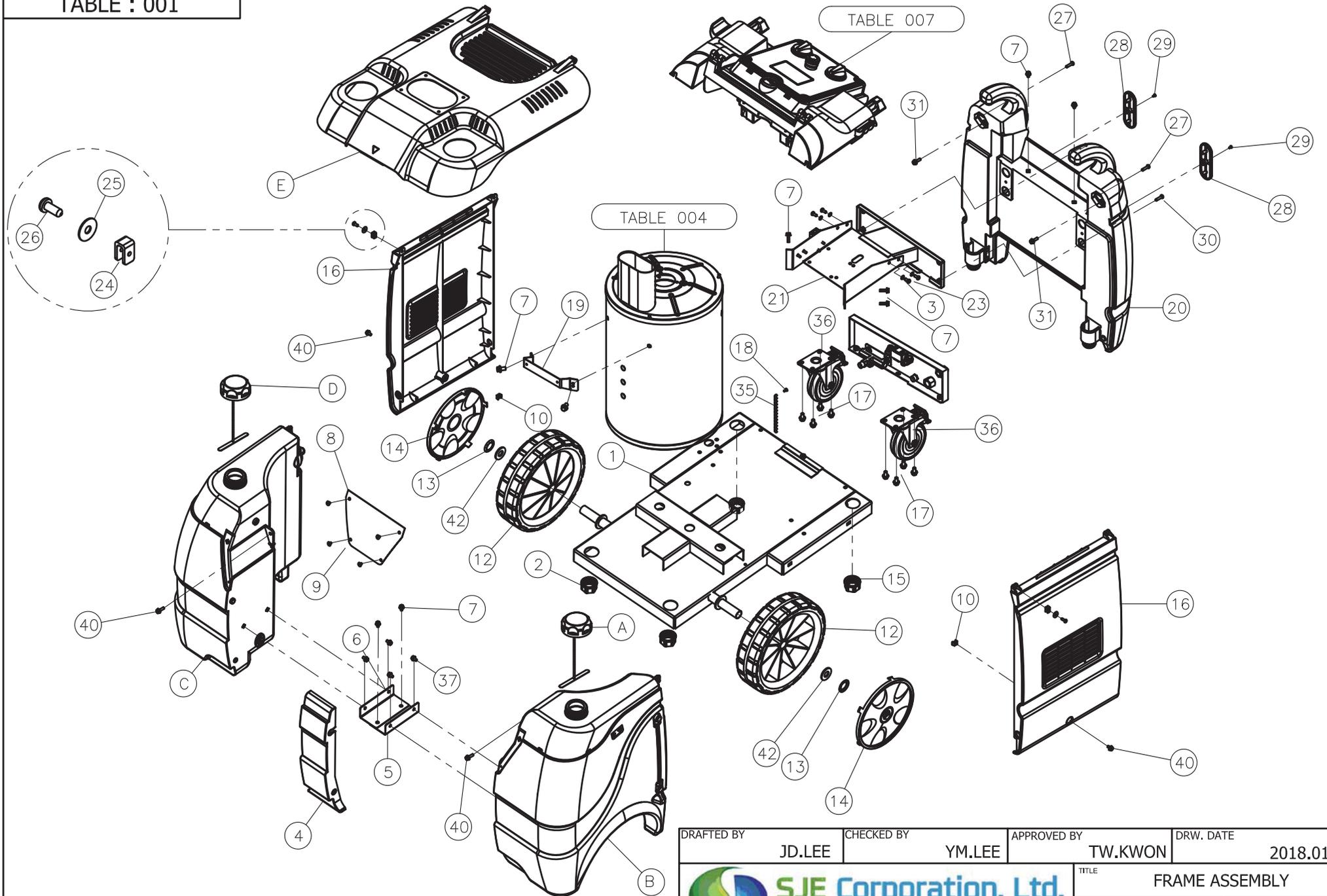
## PART LIST FOR XD (Ver. G2.3.01-2018.01.01)

1. FRAME ASSEMBLY
2. FEED WATER LINE
3. TANK ASSEMBLY
4. BLOWER FAN ASSEMBLY
5. FUEL LINE
6. STEAM GENERATOR
7. CONTROL BOX
8. SCHEMATIC DIAGRAM
9. OPTIMA XD
10. ACCESSORIES & OPTIONAL PARTS



78-21, Sandan 7-Ro, Jeongwan-Eup, Gijang-Gun, Busan, Rep. of Korea.  
TEL. +82-51-521-3200 / +82-51-727-5775 FAX +82-51-521-3305  
WEBSITE: <http://www.sjecorp.com> / E-MAIL: [info@sjecorp.com](mailto:info@sjecorp.com)

TABLE : 001



DRAFTED BY	CHECKED BY	APPROVED BY	DRW. DATE
JD.LEE	YM.LEE	TW.KWON	2018.01.01
TITLE			FRAME ASSEMBLY
MODEL	SCALE	SIZE	
OPTIMA XD	1: 10	A4	



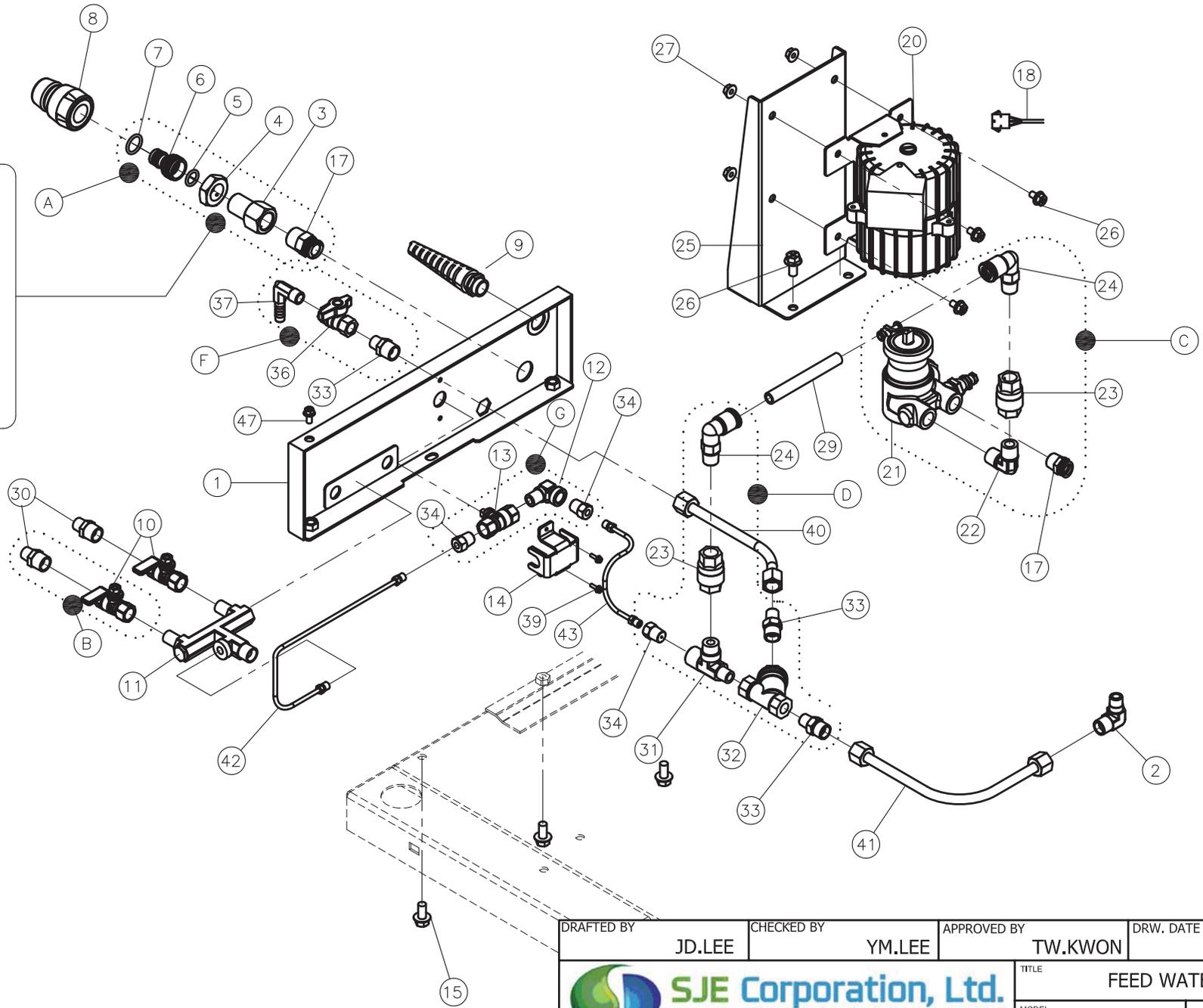
**TABLE NO. 001 : FRAME ASSEMBLY**

REF NO.	PART NO.	DESCRIPTION	Q'TY	UNIT	MATERIAL	FROM	TO	REPLACED NO.
1	20-05003	Chassis, optima XD/E	1	EA	SS400			
2	70554	Ring nut M39x3, L.46	2	EA				
3	14-41019	Toothed lock washer M6	4	EA				
4	20-03028	Front cover, XD/E-Red	1	EA	PP			
5	20-06023	Water tank fixing bracket, XD/E	1	EA	SUS			
6	20-06022	Fuel tank fixing bracket, XD/E	1	EA	SUS			
7	70422	Flange bolt M6 x 10	10	EA				
8	20-01027	Emblem plate, XD/E	1	EA	SUS			
9	14-40035	Truss head tapping screw M5 X 12, II sus	4	EA				
10	70389	Nut M6 GB 1.7x2.5	2	EA				
12	70581	Wheel D.305-D.25 RT	2	EA				
13	70381	Wheel stopper D.25	2	EA				
14	20-03033	Wheel cover, Red-2V	2	EA	PP			
15	20-03043	Ring nut M39x3, L.23	2	EA	ABS			
16	20-03025	Side cover, XD/E-Red	2	EA	PP			
17	70421	Flange bolt M8 x 15	8	EA				
18	70410	Flat head cap screw M4 x 10	1	EA				
19	20-06031	Tank support, 2V. XD	1	EA	SS400			
20	20-03032	Handle, optima XD/E	1	EA	HDPE			
21	20-06024	Handle support, XD/E	1	EA	SS400			
22	20-03022	Top cover, XD/E-Red	1	EA	PP			
23	14-40036	Truss head tapping screw, M6 X 20	4	EA				
24	70385	Nut spring	2	EA				
25	70379	Washer D.5.5-16	6	EA				
26	14-40038	Pan head tapping screw, M5 X 16, II	2	EA				
27	14-40037	Truss head tapping screw, M6 X 30	2	EA				
28	20-03036	Handle cap, Red-2V	2	EA	PP			
29	70500	Screw T / T M4.8 x 20	2	EA				
30	24-40040	Flange bolt M8 X 60	2	EA				
31	14-40039	Flange bolt M6 X 20	2	EA				
35	71060	Ground chain, zinc	0.2	M				
36	70585	Turning wheel with brake D.125	2	EA				
37	14-40045	Pan head sems bolt M6 X 10	4	EA				
40	70419	Flange bolt M6 x 15	4	EA				
42	14-41018	Plain washer M24	2	EA				
A	80-05100	Water tank Cap, Blue XD/E	1	SET				
B	80-05110	Water tank assy, XD 2V.	1	SET				
C	80-05111	Fuel tank assy, XD 2V.	1	SET				
D	80-05101	Fuel tank Cap, Black XD	1	SET				
E	80-03044	Top Cover assy, XD-Red	1	SET				

TABLE NO. 002

OPTIONAL PARTS

\*UNIT FOR USA

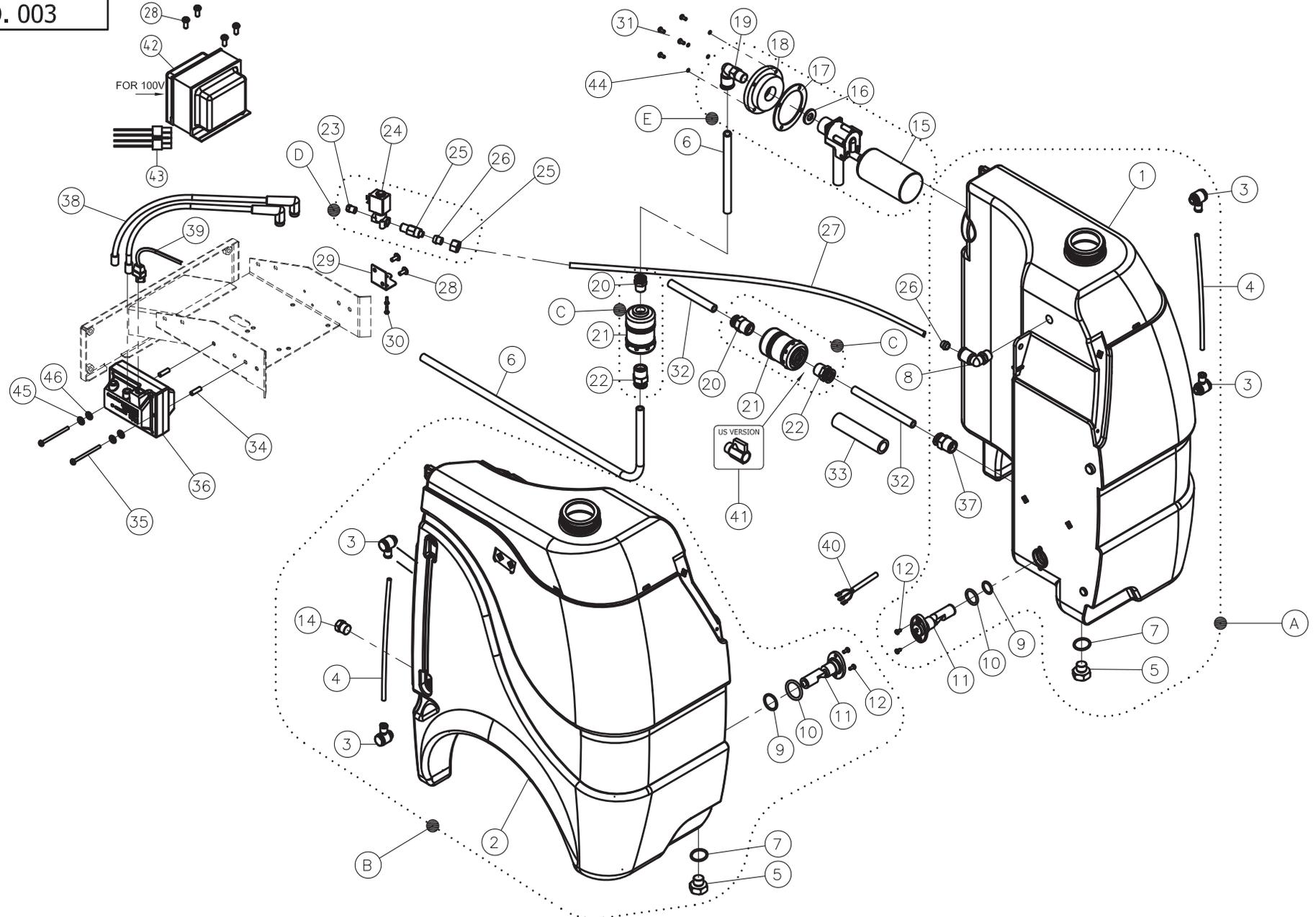


DRAFTED BY	JD.LEE	CHECKED BY	YM.LEE	APPROVED BY	TW.KWON	DRW. DATE	2018.01.01						
<b>SJE Corporation, Ltd.</b> Global Leader of Green solutions						TITLE				FEED WATER LINE			
						MODEL		SCALE		SIZE		OPTIMA XD	

**TABLE NO. 002 : FEED WATER LINE**

REF NO.	PART NO.	DESCRIPTION	Q'TY	UNIT	MATERIAL	FROM	TO	REPLACED NO.
1	20-00002	Valve support bracket, XD/E	1	EA	SS400			
2	22-20088	Bite connector elbow 10x1/4M, brass	1	EA	BRASS			
3	22-20079	Nipple PF1/2M - PT3/8F L.47	1	EA	BRASS			
4	70853	Ring nut 1/2 x 8 CH30, Setscrew Tab	1	EA	BRASS			
5	70912	O-ring D.14 x 20 x 3, G14	2	EA	NBR			
6	70615	Plug G1/2F - 10.5 for Coupling	1	EA	BRASS			
7	14-43028	O-Ring, P12, D.11.8x 2.4, NBR	1	EA	NBR			
8	70612	Couplings D. 1/2-5/8 PTC	1	EA	PTC			
9	70327	Cable gland BP-PG11, Bend proof	1	EA				
10	32-23029	Steam ball valve, 1/4, red, R250D	2	EA				
11	A71662	Steam outlet 3-way assembly 5V.	1	EA	BRASS			
12	70803	Elbow nipple PT1/4MF, brass	1	EA	BRASS			
13	32-23030	Steam ball valve, 1/4, blue, R250D	1	EA				
14	21-12001	Moisture valve bracket, XD/E	1	EA	SS400			
15	70421	Flange bolt M8 x 15	3	EA				
17	71261	One touch nipple PC1203 (3/8)	1	EA				
18	32-20043	Two touch 10 x 8, PT3/8M	1	EA				
20	71238	Feedwater Motor 230V 50/60Hz	1	EA				
20	71239	Feedwater Motor 115V 50/60Hz	(1)	EA				
21	70133	Feedwater pump MO204V viton	1	EA				
22	70797	Elbow nipple PT3/8M, brass	1	EA	BRASS			
23	70252	Non-return valve, G3/8F, 150 °C	2	EA				
24	32-20041	Two touch elbow 10 x 8, PT3/8M	1	EA				
25	20-06030	Motor bracket, 2V. XD/E	1	EA	SS400			
26	70419	Flange bolt M6 x 15	8	EA				
27	70395	Flange nut M6	4	EA				
29	71291	Teflon tube D.10 x 8	0.5	M	TEFLON			
30	70829	Nipple PF3/8M - PT1/4M, brass	2	EA	BRASS			
31	71362	Tee-nipple PT1/4F - PT3/8M - PT1/4M	1	EA	BRASS			
32	32-20069	Y-strainer 1/4F-F - 1/4F	1	EA	BRASS			
33	22-20083	Nipple M16P1.5 - PF1/4M, brass	3	EA	BRASS			
34	70839	Ring nipple PT1/4M - M8, brass	3	EA	BRASS			
36	32-23051	Drain valve, 1/4, R251X	1	EA				
37	70850	Hose fitting PT1/4M - 9.5 elbow, brass	1	EA	BRASS			
39	14-40016	Truss Head Screw M4x10, STS304	2	EA				
40	82-29420	Water Line sus pipe assy 2V. D.10, L233 XD/E	1	EA				
41	82-22032	Water Line sus pipe assy 2V. D.10, L287, XD	1	EA				
42	82-29310	Copper pipe D.4 L148 humidification, XD/E	1	EA				
43	82-29309	Copper pipe D.4 L238 humidification, XD/E	1	EA				
44	14-43018	Gasket D.27 x 14 x 2.5t, NBR	(1)	EA				
45	71365	Swivel nipple PF3/4F - PF1/2M, USA	(1)	EA				
46	70856	Socket PF1/2F, L.20	(1)	EA				
47	14-40041	Flange bolt M5 X 10	1	EA				
A	82-20080	Water inlet nipple assy 3V.	1	SET				
B	82-23032	Steam outlet valve PF3/8 2V.	2	SET				
C	82-23039	Water pump assembly, XD/E	1	SET				
D	82-20068	Water line assembly, XD/E	1	SET				
F	82-23048	Water drain valve assy 2V, XD/E	1	SET				
G	82-23044	Moisture valve assembly ,XD/E	1	SET				
H	A71619	Garden hose adapter 3/4 "	1	SET				

TABLE NO. 003

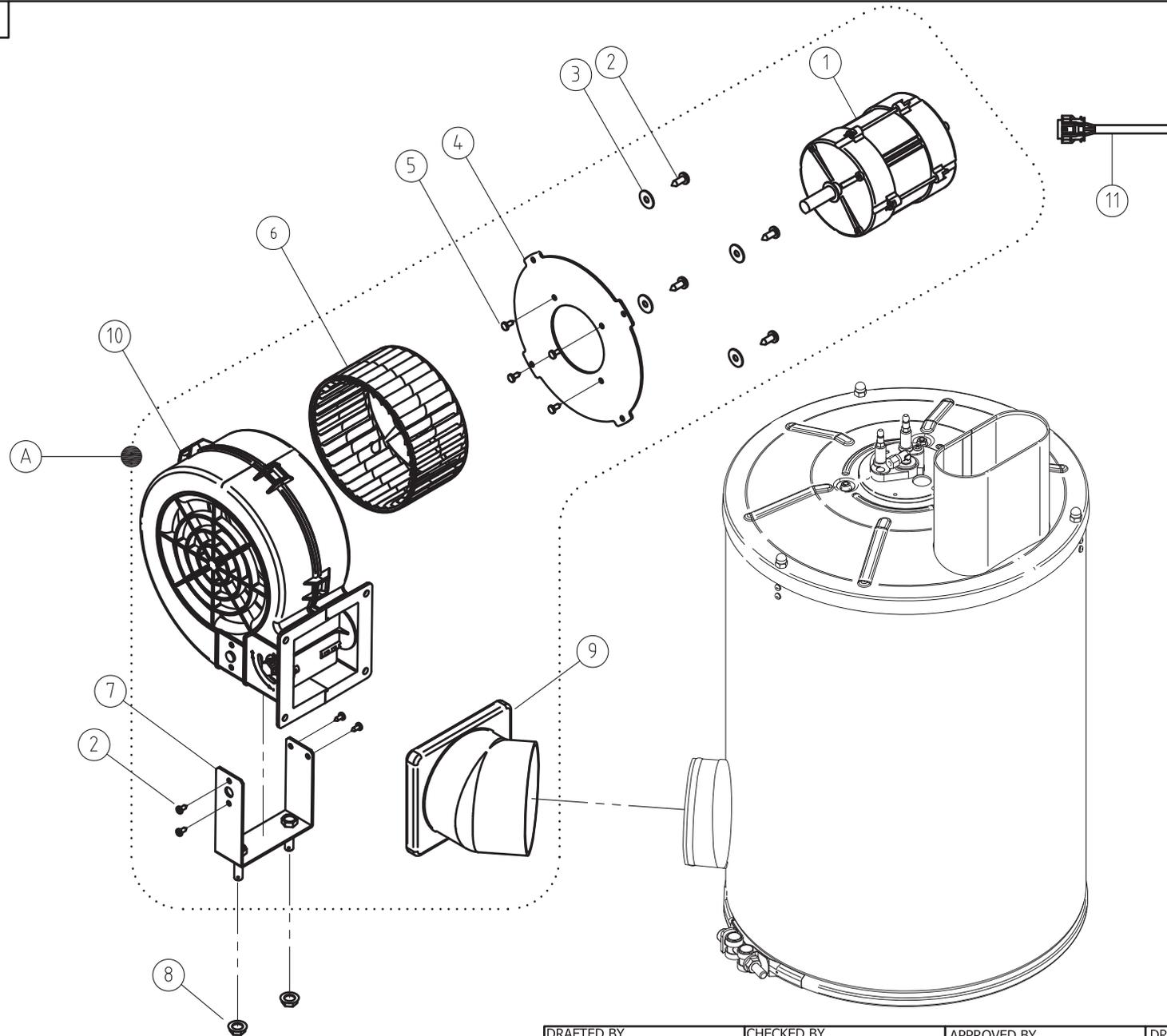


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<b>SJE Corporation, Ltd.</b> Global Leader of Green solutions						TITLE				TANK ASSEMBLY	
						MODEL	OPTIMA XD		SCALE	1: 6	SIZE

**TABLE NO. 003 : TANK ASSEMBLY**

REF NO.	PART NO.	DESCRIPTION	Q'TY	UNIT	MATERIAL	FROM	TO	REPLACED NO.
1	20-05013	Water tank XD/E, D.60 2V.	1	EA				
2	20-05012	Tank, optima XD/E 2V.	1	EA				
3	12-21008	One Touch Nipple SJE08G02(M)	4	EA				
4	12-22035	Nylon tube D.8 x 6 x 1000(mm)	0.52	M				
5	22-20059	Plug PF3/8 hex22, brass	2	EA				
6	71257	Water feeding U-Tube, D.12x8	0.8	M				
7	14-43020	O-Ring, P15, D.19.6x 2.4, NBR	2	EA				
8	12-20066	Two touch elbow 8 x 6, PT1/4M	1	EA				
9	70917	O-ring D.17.12 x 2.62 U115	2	EA				
10	70911	O-ring D.21.89x2.62 U118	2	EA				
11	23-33022	Float level switch, white, 2V.	1	EA		2020.07		
12	14-40015	SCREW TCB-TC 3.5x12 II	4	EA				
14	22-20057	Two touch nipple PF1/4M(G)	1	EA				
15	32-23014	Float 3/4, DN20BX	1	EA				
16	70362	Gasket D.12x25x3 NBR	1	EA				
17	14-43006	Gasket D.82x60.2x3, NBR	1	EA				
18	71251	Float adapter D.80-60, G3/4-PT3/8	1	EA				
19	71254	One touch nipple PL1203 (3/8)	1	EA				
20	71261	One touch nipple PC1203 (3/8)	1	EA				
21	71370	Water filter 3/8 - 1/2, mesh	1	EA				
22	71256	One touch nipple PC1204 (1/2)	2	EA				
23	70868	Joint body, PD4	1	EA				
24	71231	Electronic valve JYZ-3E 230V, air purge	1	EA				
24	71232	Electronic valve JYZ-3E 120V, air purge	(1)	EA				
25	71360	Two touch fitting C4N8X6-PT1/8	1	EA				
26	71361	Sleeve D.8 for tube fitting	2	EA				
27	70640	Teflon tube D.8 x 6	1	EA				
28	70416	Truss head screw M5 x 12	2	EA				
29	70487	Air valve bracket, sus	1	EA				
30	70411	Truss head screw M4 x 10	2	EA				
31	70500	Screw T / T M4.8 x 20	4	EA				
32	71257	Water feeding U-Tube, D.12x8	0.5	M				
33	70634	Silicon tube 15 x 19, black 1M	0.25	M				
34	70437	Sleeve 5x20 for transformer	2	EA				
35	70417	Pan head bolt M5 x 60	2	EA				
36	70097	Transformer 230V-50/60Hz 2x4000V	1	EA				
36	70099	Transformer 120V-60Hz 2x4000V	(1)	EA				
37	12-21012	One Touch Nipple PC12G04	1	EA				
38	70155	Cables AT PIP L.400	2	EA				
39	70153	Cables BT L.800	1	EA				
40	70157	Cables for floater level switch	1	EA				
41	32-23056	Valve, PT1/2MF, MBVMF-04	(1)	EA				
42	71173	Transformer 100-115V 50/60Hz 550VA with connector	(1)	EA				
43	70988	Cables with connector, transformer	(1)	EA				
44	14-43025	O-Ring, P5, D. 4.8x 1.9, NBR	4	EA				
45	70375	Washer 5 x10	2	EA				
46	14-41034	Spring washer M5	2	EA				
A	80-05110	Water tank assy, XD 2V.	1	SET				
B	80-05111	Fuel tank assy, XD 2V.	1	SET				
C	82-24005	Water filter assembly, mesh	1	SET				
D	A71711	Air purge valve assembly 220/230V 2V.	1	SET				
D	A71712	Air purge valve assembly 100/120V 2V.	(1)	SET				
E	82-23041	Water Float assembly, XD/E	1	SET				

TABLE NO. 004

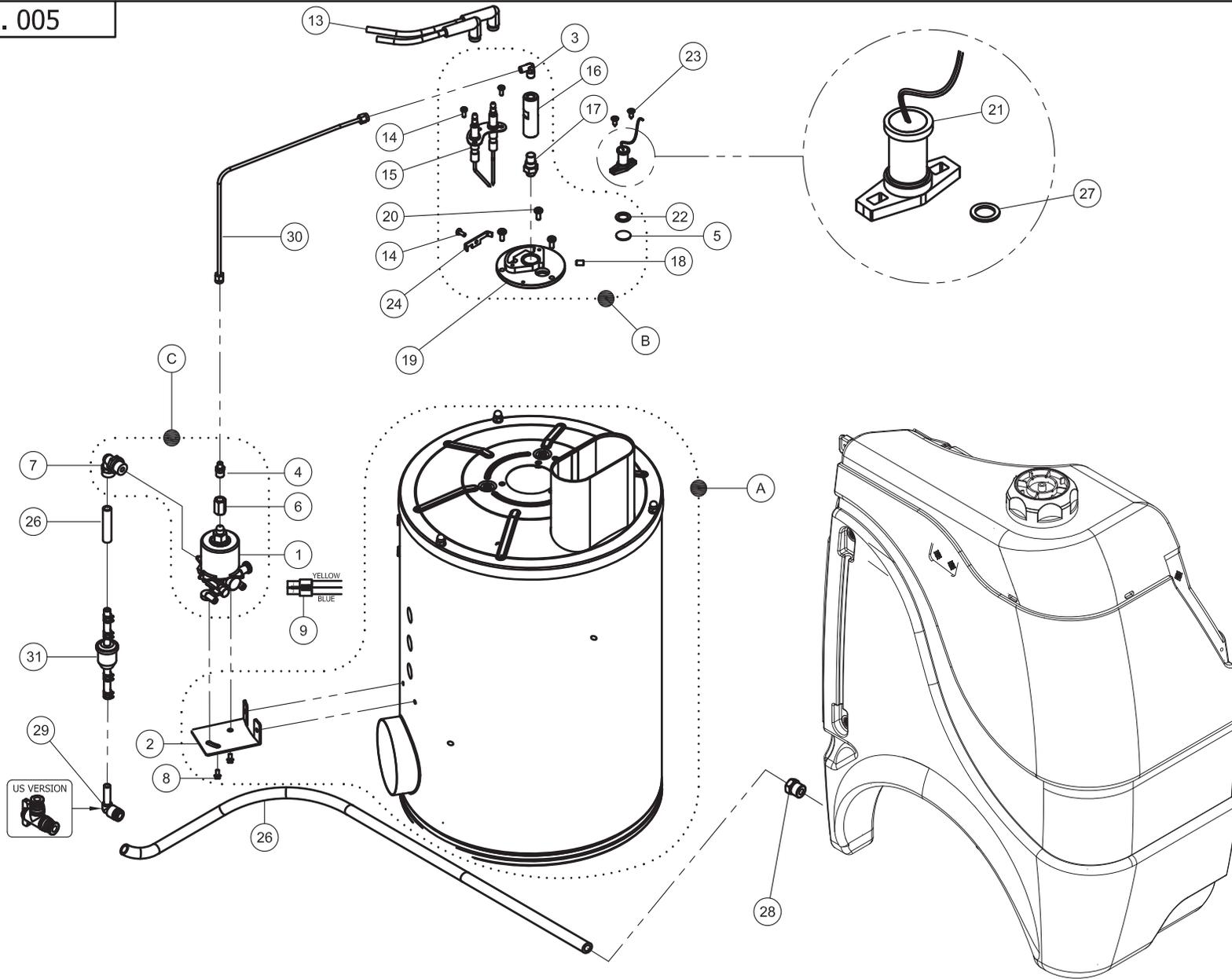


DRAFTED BY JD.LEE	CHECKED BY YM.LEE	APPROVED BY TW.KWON	DRW. DATE 2018.01.01
 <b>SJE Corporation, Ltd.</b> Global Leader of Green solutions			TITLE BLOWER FAN ASSEMBLY
MODEL OPTIMA XD		SCALE 1: 8	SIZE A4

**TABLE NO. 004 : BLOWER FAN ASSEMBLY**

REF NO.	PART NO.	DESCRIPTION	Q'TY	UNIT	MATERIAL	FROM	TO	REPLACED NO.
1	71233	Burner motor 230V 50/60Hz, ssh	1	EA				
1	71234	Burner motor 115V 50/60Hz, ssh	(1)	EA				
2	70500	Screw T / T M4.8 x 20	9	EA	MSWR			
3	70379	Washer D.5.5-16	4	EA	SS41			
4	71071	Motor plate for Scroll D.150	1	EA	SS400			
5	14-40075	Flat head bolt M4 x 10, nylon patch	4	EA	MSWR			
6	70185	Impeller D.150-80 D.12.7 29P EGI	1	EA	SBHG			
7	20-06026	Scroll bracket, XD	1	EA	SS400			
8	70396	Flange nut M8	2	EA	MSWR			
9	71230	Rubber duct for air blower	1	EA	EPDM			
10	A71294	Scroll Assembly D.150	1	SET	LG LUPOS GP-3200			
11	70986	Cables with connector, burner motor	1	EA				
A	81-11002	Blower assembly 220-240V 50/60, XD	1	SET				
A	81-11003	Blower assembly 100-120V 50/60, XD	(1)	SET				

TABLE NO. 005

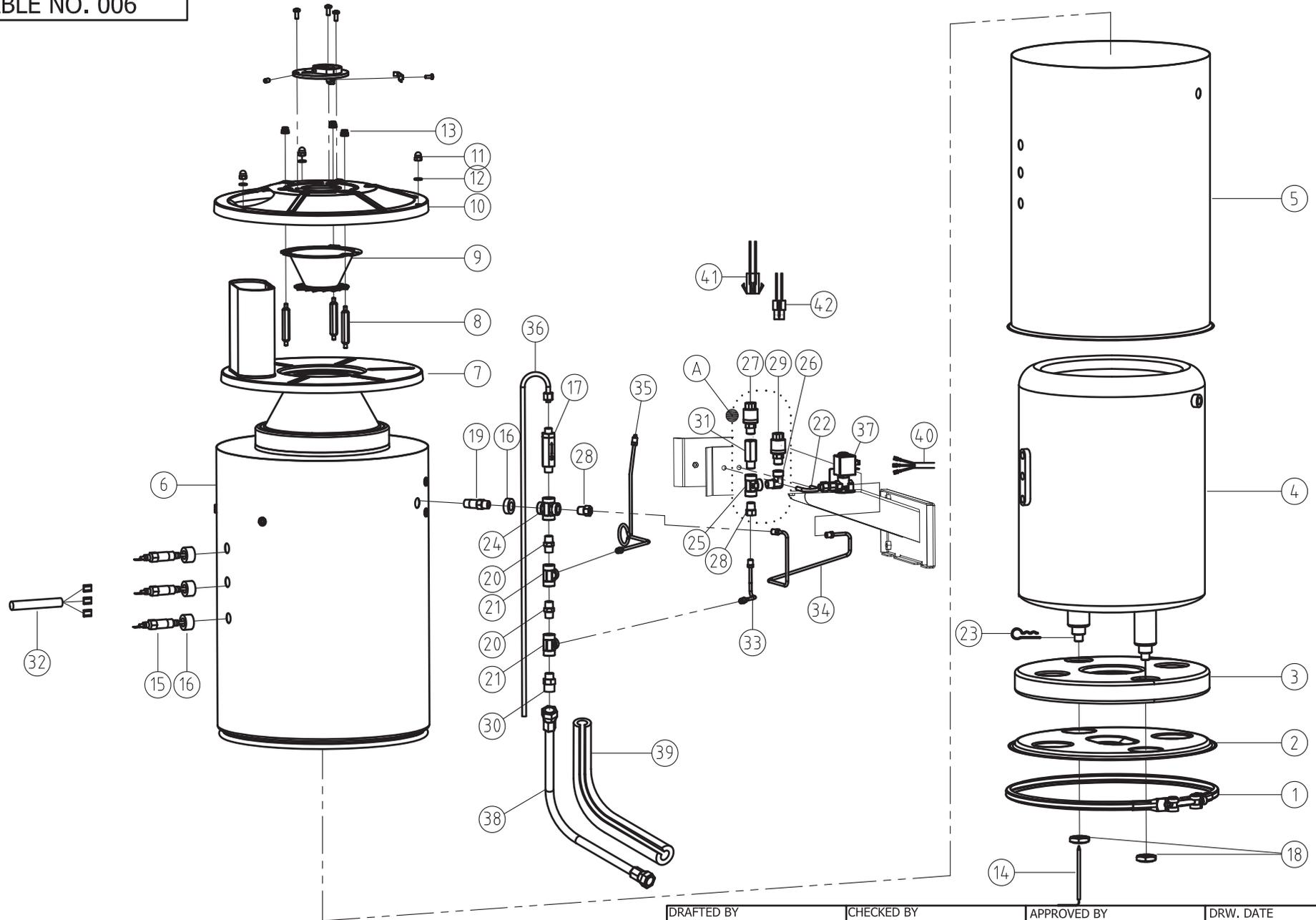


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JD.LEE	YM.LEE	TW.KWON	2018.01.01
<b>SJE Corporation, Ltd.</b> Global Leader of Green solutions			TITLE
			FUEL LINE
MODEL	SCALE	SIZE	
OPTIMA XD	1: 5	A4	

**TABLE NO. 005 : FUEL LINE**

REF NO.	PART NO.	DESCRIPTION	Q'TY	UNIT	MATERIAL	FROM	TO	REPLACED NO.
1	71241	Electronic fuel pump VSG90A5 230V 50Hz	1	EA				
1	71243	Electronic fuel pump VSG90A5 110V 60Hz	(1)	EA				
2	70486	Fuel pump bracket, sus	1	EA	STS304			
3	70806	Elbow 1/8-4 B5	1	EA				
4	70805	BI-CONE CONNEC. DTT 1/8 " M B1 D. 2/4 NIK	1	EA				
5	70216	Sight glass (Oil warn-light) D.17 x 3	1	EA				
6	71277	Socket 1/8, brass	1	EA	BRASS			
7	71266	Two touch elbow 8 x 6, PT1/8M	1	EA	BRASS			
8	70422	Flange bolt M6 x 10	2	EA				
9	70979	Cables with connector, electronic pump	1	EA				
13	70155	Cables AT PIP L.400	2	EA				
14	70409	Pan head screw M4 x 8	3	EA				
15	70151	Electrodes	1	EA				
16	70214	Fuel nozzle holder	1	EA				
17	70223	Fuel nozzle 1.10 60 °S	1	EA				
18	70400	Set Screw EI-ST M6X10 UNI5929	1	EA				
19	70211	Electrodes holder 3°V. FUT.	1	EA				
20	14-40080	Round head sems bolt M5 x 16	3	EA		2020.11		
21	23-33014	Flame sensor L.1,050mm	1	EA		2018.06		
22	70384	External tooth Washer CRTW 18	1	EA	SUP6			
23	70410	Flat head cap screw M4 x 10	2	EA				
24	70206	Plate INX	1	EA				
26	70640	Teflon tube D.8 x 6	0.625	EA				
27	70358	Gasket D.10 x 18 x 2 NBR	1	EA				
28	22-20057	Two touch nipple PF1/4M(G)	1	EA	BRASS			
29	71366	One touch fitting PLJ8	1	EA		2020.02		
29	12-23055	One touch valve, Elbow, BUL0808	(1)	EA		2019.01		
30	A71680	Diesel pipe D.4 L.424 with coupling DM 3V.	1	SET				
31	82-24020	Fuel filter with NBR	1	SET		2020.04		
A	81-10031	Boiler cylinder & Fuel pump bracket assy S200	1	SET				
B	A71663	Electrodes holder assembly	1	SET				
C	A71776	Electronic pump assembly VSG90A5 230V 50Hz 2V.	1	SET				
C	A71778	Electronic pump assembly VSG90A5 110V 60Hz 2V.	(1)	SET				

TABLE NO. 006



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JD.LEE	YM.LEE	TW.KWON	2018.01.01

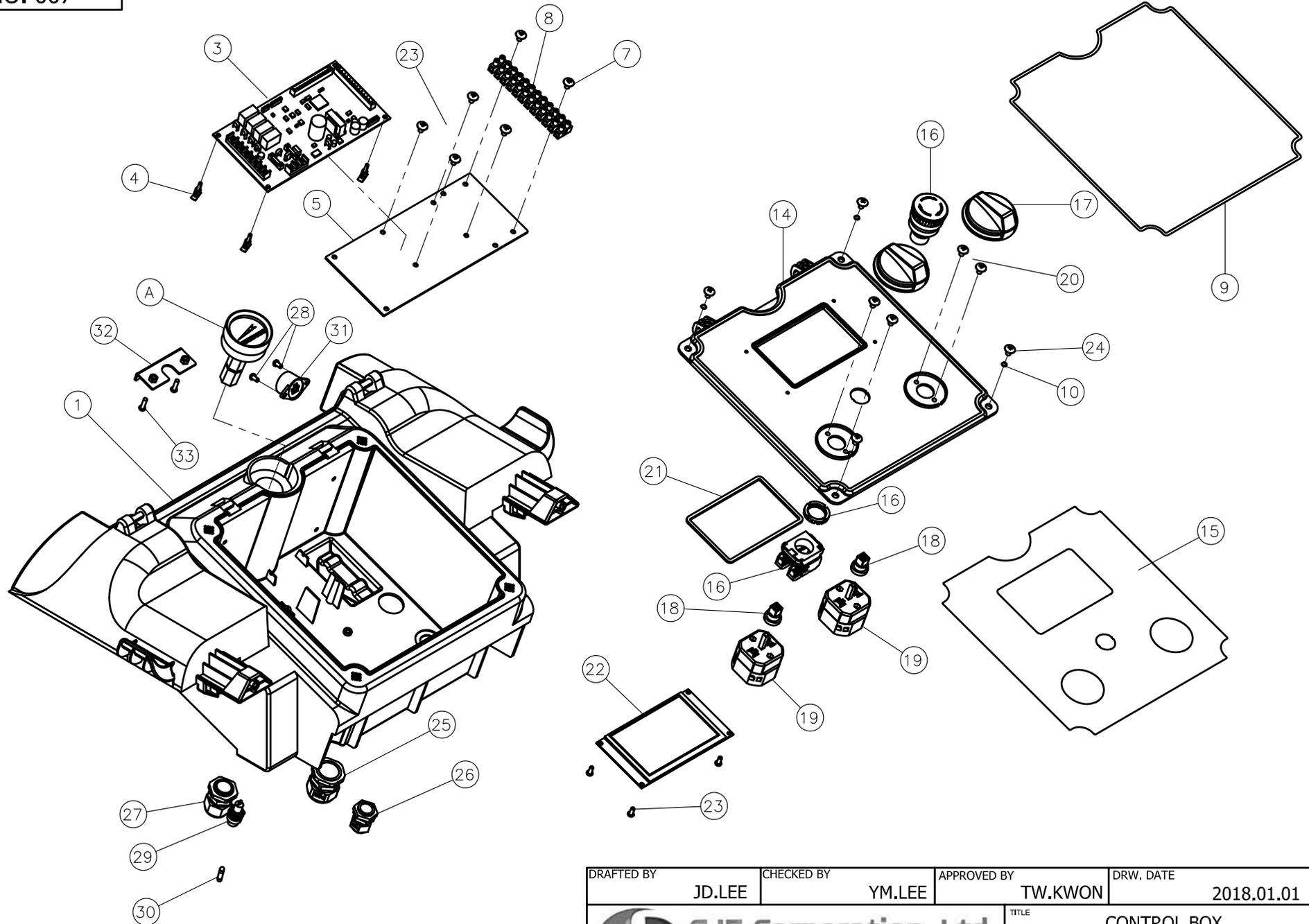


TITLE		
STEAM GENERATOR		
MODEL	SCALE	SIZE
OPTIMA XD	1: 6	A4

**TABLE NO. 006 : STEAM GENERATOR**

REF NO.	PART NO.	DESCRIPTION	Q'TY	UNIT	MATERIAL	FROM	TO	REPLACED NO.
1	70192	Ring D.344 P176 ZN 2V.	1	EA				
2	70196	Boiler bottom P176	1	EA	STS304			
3	70198	Fire brick P176	1	EA				
4	21-10039	Steam vessel, V200	1	EA	STS304			
5	71346	Int. Cylinder KS 5V.	1	EA	STS304			
6	71345	Ext. Cylinder KS 5V.	1	EA	STS304			
7	21-10030	Int. Cylinder Cover PM-S200	1	EA	STS304			
8	70208	Pin CH.10x67.7 M-M, 5mm	3	EA				
9	70210	Baffle FUT.	1	EA	STS304			
10	70200	EXT. Cylinder cover SE PM	1	EA	STS304			
11	70390	Nut M6 CIE.	3	EA				
12	70382	Washer D.6 TE UNI 6798	3	EA				
13	70392	Nut M5 FL.	3	EA				
14	23-33019	Thermistor temp sensor L.1,000mm 2V.	1	EA				
15	70175	Water probe sensor	3	EA				
16	70635	Foam Silicon tube 12 x 24, brown 1M	0.06	M	SILICON			
17	22-23059	Safety valve 9.5bar 1/4M-M16 3V.	1	EA	BRASS	2020.07		
18	70853	Ring nut 1/2 x 8 CH30, Setscrew Tab	2	EA	BRASS			
19	70823	Nipple PT1/4M L.42, sus	1	EA				
20	70821	Nipple PT1/4M, sus	2	EA				
21	70788	Tee-nipple PT1/4F - M8 - PT1/4F, brass	2	EA	BRASS			
22	71352	U-bolt 1/4 x 10A, sus	1	EA	STS304			
23	70857	Snap pin (R) SSP-12	1	EA				
24	71269	Cross nipple PT1/4F, sus	1	EA	STS304			
25	70785	Tee-nipple PT1/4F, brass	1	EA	BRASS			
26	70803	Elbow nipple PT1/4MF, brass	1	EA	BRASS			
27	70082	Pressure switch, Auto reset, N/C, 9.5/8 bar	1	EA				
28	70839	Ring nipple PT1/4M - M8, brass	2	EA	BRASS			
29	70081	Pressure switch, Auto reset, N/C, 8.5/7 bar	1	EA				
30	70829	Nipple PF3/8M - PT1/4M, brass	1	EA	BRASS			
31	71268	Nipple PT1/4 M-F L.45, brass	1	EA	BRASS			
32	70156	Cables for water probe sensor, DM	3	EA				
33	82-29718	Copper Pipe D.4 L.215, Pressure Switch, XD	1	SET	COPPER			
34	A71714	Copper pipe D.4 L.325, Air Valve, DM, 4V.	1	SET	COPPER			
35	82-29613	Copper pipe D.4 L.490, Pressure gauge, XD	1	SET	COPPER			
36	82-29417	Drain Out D.10 SUS, L660 XD	1	SET	STS304			
37	A71711	Air purge valve assembly 220/230V 2V.	1	SET				
37	A71712	Air purge valve assembly 100/120V 2V.	1	SET				
38	71287	Flexible Steam pipe L.580	1	EA				
39	70636	Foam Silicon tube 22 x 32, brown 1M	0.6	M	SILICON			
40	70978	Cables with connector, electronic valve	1	EA				
41	70983	Cables with connector, pressure switch P1	1	EA				
42	70984	Cables with connector, pressure switch P2	1	EA				
A	A71683	Pressure switch line assembly	1	SET				

TABLE NO. 007

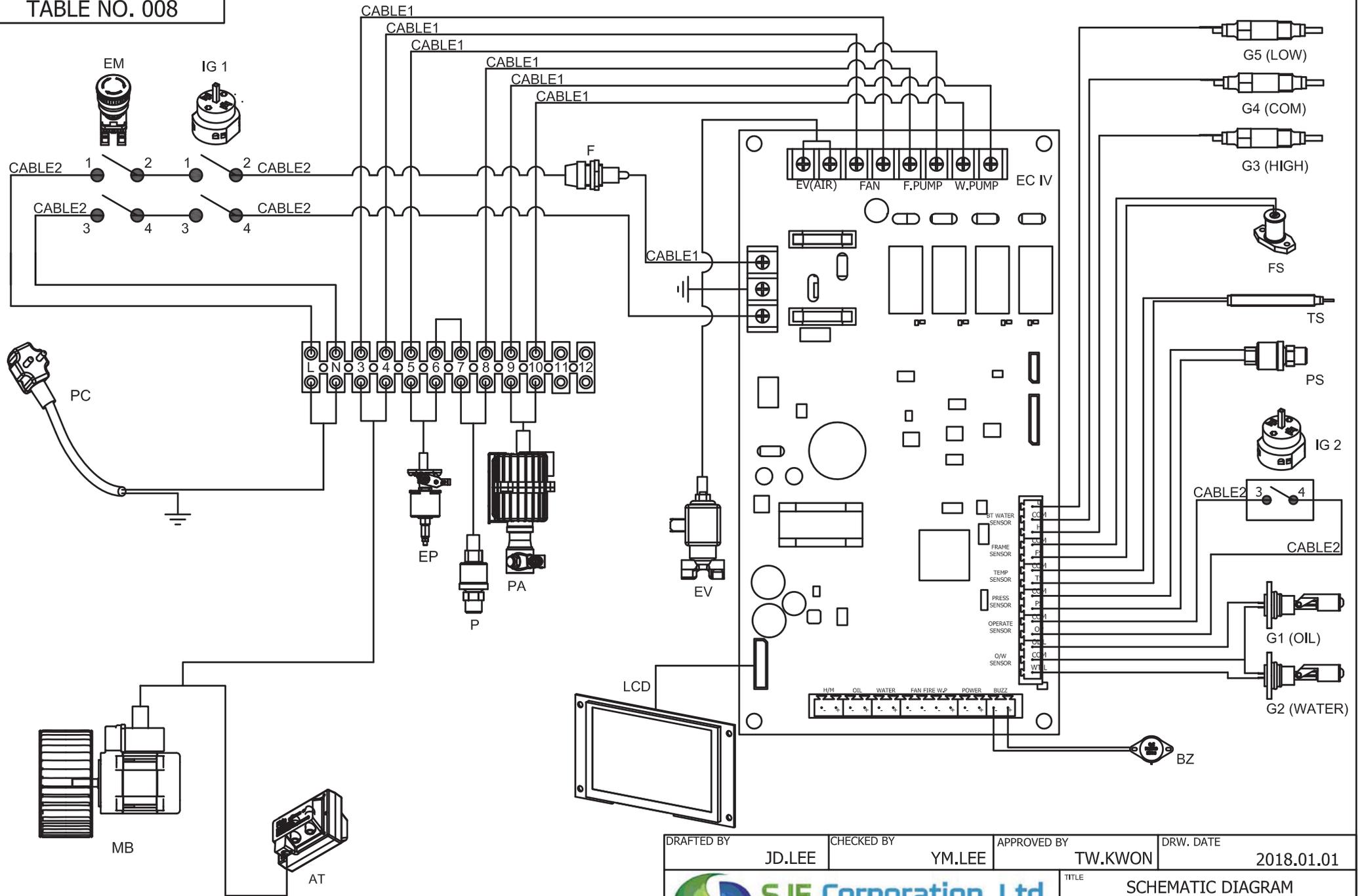


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JD.LEE	YM.LEE	TW.KWON	2018.01.01
 <b>SJE Corporation, Ltd.</b> Global Leader of Green solutions			TITLE
			CONTROL BOX
MODEL	SCALE	SIZE	
OPTIMA XD	1: 4	A4	

**TABLE NO. 007 : CONTROL BOX**

REF NO.	PART NO.	DESCRIPTION	Q'TY	UNIT	MATERIAL	FROM	TO	REPLACED NO.
1	20-03021	Control box , XD/E	1	EA	PP			
3	23-32020	Electric control card AC 2.3 - GNT	1	EA				
3	23-32026	Electric control card AC 2.7 CSA, GNT	(1)	EA		2020.01		
4	70916	Saddle SS-13N	4	EA				
5	23-35045	Pcb mounting panel 231x120	1	EA				
7	70403	Screw TCB-TC 3.5x20	2	EA				
8	70578	Terminal block, EKL1BEF-12P	1	EA				
9	14-43027	Seal D3.5, Silicone Foam 1M	1	M	SILICONE	2020.03		
10	14-41009	Washer M5, SUS	4	EA				
14	20-03031	Control panel, XD/E	1	EA	PP			
15	28-80021	Control panel sticker, XD/E	1	EA				
16	13-33008	Emergency Stop Switch, DECA A20B-V4E02R	1	EA				
17	20-03039	Control knob, 2V	2	EA	ABS			
18	20-03040	Control knob holder, 2V	2	EA	NYLON6			
19	71168	Rotary Switch 16A, SA16 2-1	2	EA				
20	71434	Pan head screw M4 x 20	4	EA				
21	24-43013	Pad 3T*8*1000, EPDM	0.4	M				
22	23-32021	Display control card V1.1 with cable	1	EA				
23	14-40033	Pan head tapping screw, M4 X 8, II	8	EA				
24	70500	Screw T / T M4.8 x 20	4	EA				
25	70325	Cable gland PG21	1	EA				
26	70323	Cable gland PG11	1	EA				
27	70326	Cable gland PG16	1	EA				
28	14-40049	Pan head tapping screw, M3 X 8, II	2	EA				
29	33-33020	Fuse holder, R3-57	1	EA		2020.02		
30	70307	Fuse 5x20 4A	1	EA				
30	33-33007	Fuse 5X20 6.3A C.IMQ	(1)	EA				
31	70769	Buzzer DC12V	1	EA				
32	21-13008	Pressure gauge bracket, XD/E	1	EA	STS			
33	14-40034	Hex. Socket Bolt M5 X 35	2	EA				
A	82-24008	Pressure gauge 0-15BAR D.50, PD4 2V	1	SET				
-	83-35033	Control box assy- XD 230V	1	SET				
-	83-35034	Control box assy- XD 115V	(1)	SET				

TABLE NO. 008



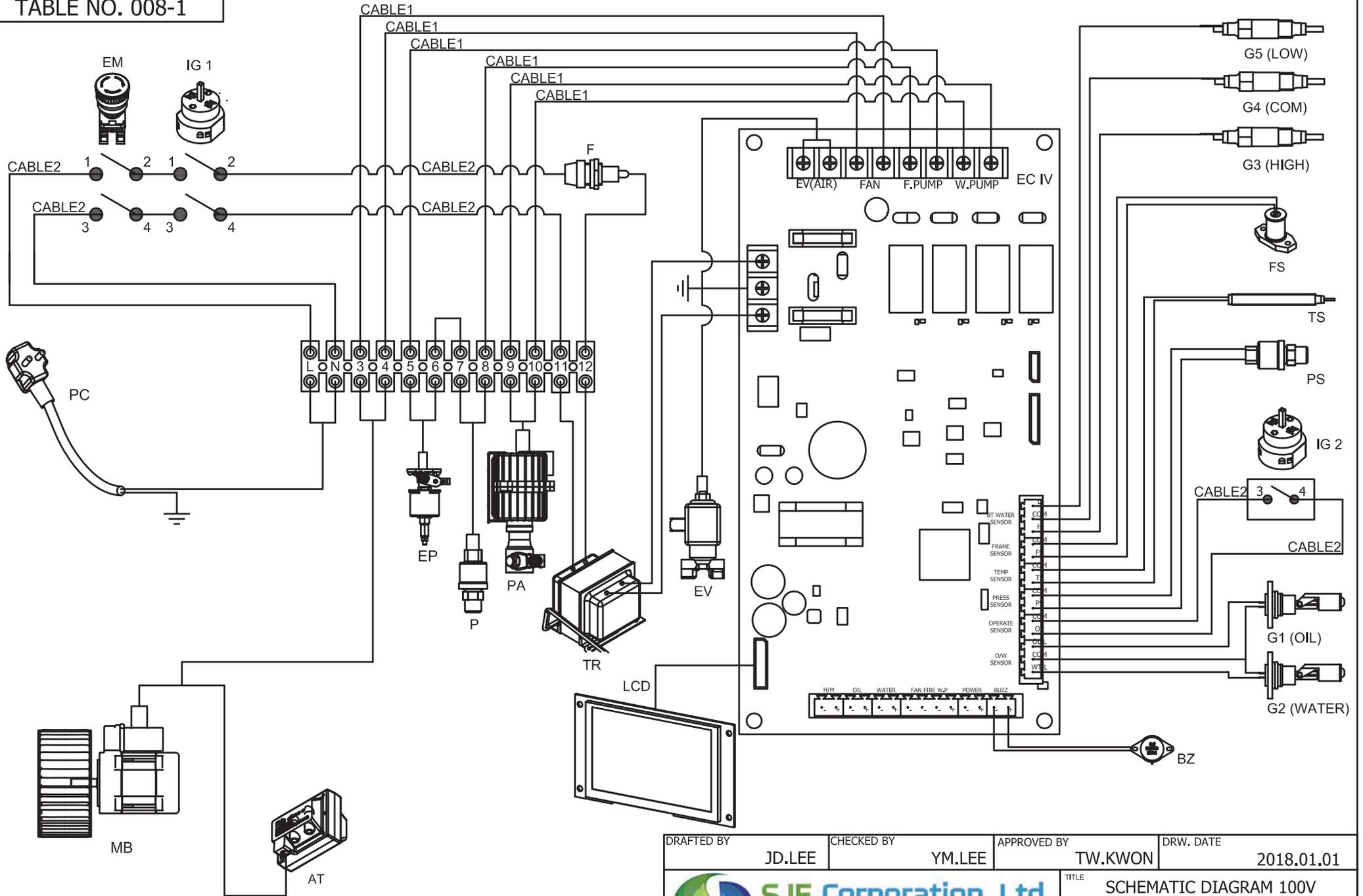
DRAFTED BY	CHECKED BY	APPROVED BY	DRW. DATE
JD.LEE	YM.LEE	TW.KWON	2018.01.01
TITLE			SCHEMATIC DIAGRAM
MODEL			
OPTIMA XD		SCALE	SIZE
		1:	A4



**TABLE NO. 008 : SCHEMATIC DIAGRAM**

REF NO.	PART NO.	DESCRIPTION	Q'TY	UNIT	MATERIAL	FROM	TO	REPLACED NO.
IG1	71168	Rotary Switch 16A, SA16 2-1	1	EA				
IG2	71168	Rotary Switch 16A, SA16 2-1	1	EA				
EC IV	23-32020	Electric control card AC 2.3 - GNT	1	EA				
EC IV	23-32026	Electric control card AC 2.7 CSA, GNT	(1)	EA		2020.01		
TS	23-33019	Thermistor temp sensor L.1,000mm 2V.	1	EA		2020.01		
F	70307	Fuse 5x20 4A	1	EA				
F	33-33007	Fuse 5X20 6.3A C.IMQ	(1)	EA				
PS	70081	Pressure switch, Auto reset, N/C, 8.5/7 bar	1	EA				
P	70082	Pressure switch, Auto reset, N/C, 9.5/8 bar	1	EA				
PA	71238	Feedwater Motor 230V 50/60Hz	1	EA				
PA	71239	Feedwater Motor 115V 50/60Hz	(1)	EA				
BZ	70769	Buzzer DC12V	1	EA				
G1	23-33022	Float level switch, white, 2V - OIL	1	EA		2020.07		
G2	23-33022	Float level switch, white, 2V - WATER	1	EA		2020.07		
G3	70175	Water probe sensor, HIGH	1	EA				
G4	70175	Water probe sensor, COM	1	EA				
G5	70175	Water probe sensor, LOW	1	EA				
EV	71231	Electronic valve JYZ-3E 230V, air purge	1	EA				
EV	71232	Electronic valve JYZ-3E 120V, air purge	(1)	EA				
EP	71241	Electronic fuel pump VSG90A5 230V 50Hz	1	EA				
EP	71243	Electronic fuel pump VSG90A5 110V 60Hz	(1)	EA				
LCD	23-32021	Display control card V1.1 with cable	1	EA				
EM	13-33008	Emergency Stop Switch, DECA A20B-V4E02R	1	EA				
MB	71233	Burner motor 230V 50/60Hz, ssh	1	EA				
MB	71234	Burner motor 115V 50/60Hz, ssh	(1)	EA				
AT	70097	Transformer 230V-50/60Hz 2x4000V	1	EA				
AT	70099	Transformer 120V-60Hz 2x4000V	(1)	EA				
FS	70190	Flame sensor L.820mm	1	EA				
CABLE1	23-31005	Cables for PCB Connector, XD	1	EA				
CABLE2	23-31006	Cables for power and steam Switch, XD	1	EA				
PC	33-31003	Power cord 230V 15A L.5000 VDE	1	EA				
PC	33-31004	Power cord 115V 15A L.5000 UL	(1)	EA				
PC	33-31002	Power cord 250V 15A L.5000 INMETRO	(1)	EA				
PC	33-31018	Power cord 250V 13A L.5000 SASO	(1)	EA				

TABLE NO. 008-1



DRAFTED BY	CHECKED BY	APPROVED BY	DRW. DATE
JD.LEE	YM.LEE	TW.KWON	2018.01.01
TITLE			SCHEMATIC DIAGRAM 100V
MODEL			
OPTIMA XD		SCALE	SIZE
		1:	A4



**TABLE NO. 008-1 : SCHEMATIC DIAGRAM 100V**

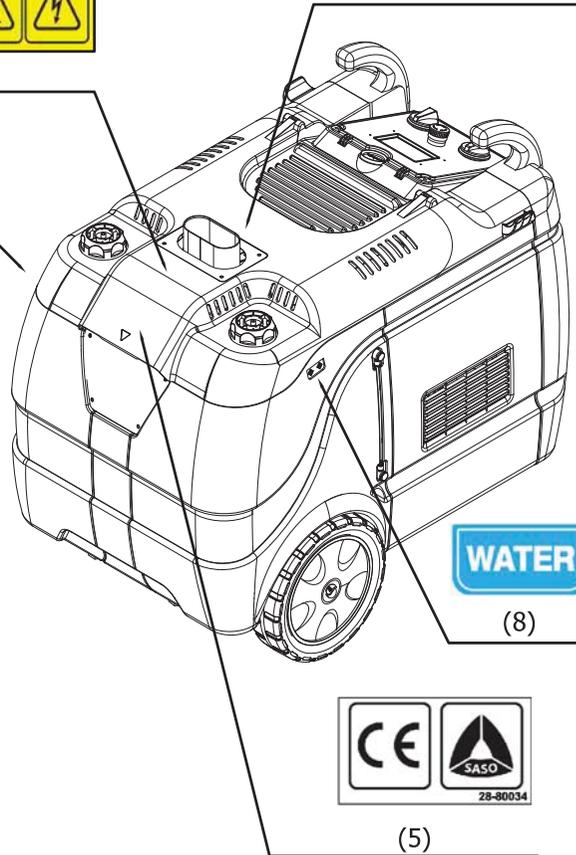
REF NO.	PART NO.	DESCRIPTION	Q'TY	UNIT	MATERIAL	FROM	TO	REPLACED NO.
IG1	71168	Rotary Switch 16A, SA16 2-1	1	EA				
IG2	71168	Rotary Switch 16A, SA16 2-1	1	EA				
EC IV	23-32020	Electric control card AC 2.3 - GNT	1	EA				
TS	23-33019	Thermistor temp sensor L.1,000mm 2V.	1	EA		2020.01		
F	33-33007	Fuse 5X20 6.3A C.IMQ	1	EA				
PS	70081	Pressure switch, Auto reset, N/C, 8.5/7 bar	1	EA				
P	70082	Pressure switch, Auto reset, N/C, 9.5/8 bar	1	EA				
PA	71239	Feedwater Motor 115V 50/60Hz	1	EA				
BZ	70769	Buzzer DC12V	1	EA				
G1	23-33022	Float level switch, white, 2V - OIL	1	EA		2020.07		
G2	23-33022	Float level switch, white, 2V - WATER	1	EA		2020.07		
G3	70175	Water probe sensor, HIGH	1	EA				
G4	70175	Water probe sensor, COM	1	EA				
G5	70175	Water probe sensor, LOW	1	EA				
EV	71232	Electronic valve JYZ-3E 120V, air purge	1	EA				
EP	71243	Electronic fuel pump VSG90A5 110V 60Hz	1	EA				
LCD	23-32021	Display control card V1.1 with cable	1	EA				
EM	13-33008	Emergency Stop Switch, DECA A20B-V4E02R	1	EA				
MB	71234	Burner motor 115V 50/60Hz, ssh	1	EA				
AT	70099	Transformer 120V-60Hz 2x4000V	1	EA				
FS	70190	Flame sensor L.820mm	1	EA				
TR	71173	Transformer 100-115V 50/60Hz 550VA with connector	1	EA				
CABLE1	23-31005	Cables for PCB Connector, XD	1	EA				
CABLE2	23-31006	Cables for power and steam Switch, XD	1	EA				
PC	33-31017	Power cord 100V 13A L.5000 PSE	1	EA				



(1)

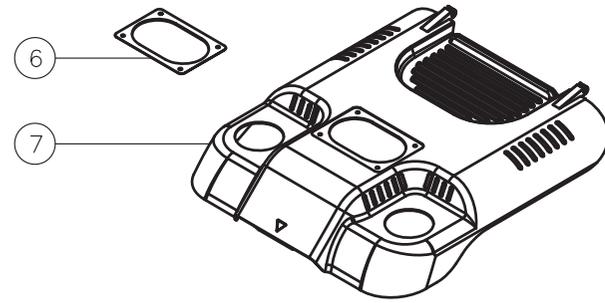
**DIESEL**

(9)



(2)

START UP	SHUT DOWN
① POWER (Emergency stop) switch ON ② STEAM switch ON ③ Ready for use (Don't pressure-reduce & run. Culture is made to use.)	① STEAM switch OFF (Don't wait for drainage.) ② POWER switch OFF ③ Close steam outlet valves (Don't put people or animals near hoses and pipes. Don't use pressure-reduce.)
<b>Encendido</b> ① Interruptor de Encendido (Apagado de Emergencia) en Posición de Encendido. ② Interruptor de Vapor en Posición de Encendido. ③ Lista para el uso. (No reducir la presión y ejecutar el ciclo. Cultura es hecha para usar.)	<b>Apagado</b> ① Interruptor de Vapor en Posición de Apagado (No esperar el drenaje). ② Interruptor de Encendido en Posición de Apagado. ③ Cierre las válvulas de escape de vapor. (No ponga personas o animales cerca de las mangueras y tuberías. No reduzca la presión.)
<b>METTRE EN MARCHÉ</b> ① Mettre l'interrupteur d'ALIMENTATION (arrêt d'urgence) sur MARCHÉ. ② Mettre l'interrupteur de VAPEUR sur MARCHÉ. ③ Prêt à l'emploi. (Ne pas réduire la pression et exécuter le cycle. Culture est faite pour l'usage.)	<b>ARRÊTER</b> ① Mettre l'interrupteur de VAPEUR sur ARRÊT (Ne pas attendre le drainage). ② Mettre l'interrupteur d'ALIMENTATION sur ARRÊT. ③ Fermer les soupapes de sortie de vapeur. (Ne pas mettre de personnes ou d'animaux près des tuyaux et évacuations. Ne réduisez pas la pression.)



6

7

**SJE Corporation, Ltd.**

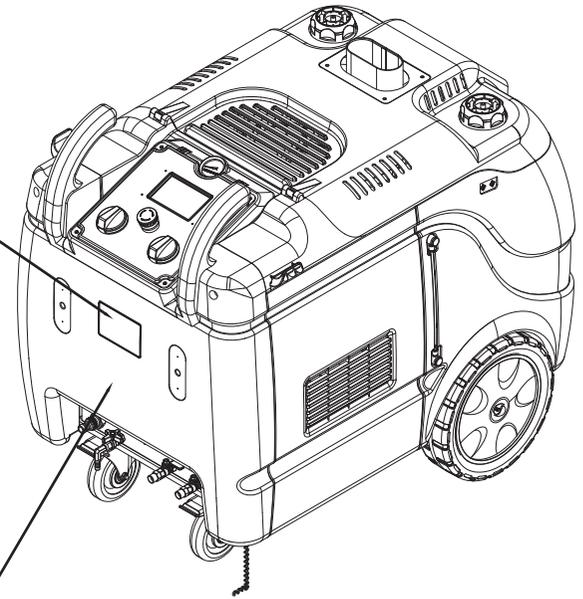
○ HEAD OFFICE : 76-21, Sandan 7-ro, Jeongpoo-eup, Gwangju-gun, Gyeongsang-do, Korea  
 TEL : +82-61-521-3200/Rep.1, 3301-4/2 Rep./www.sjeco.com  
 Technical Support : tech@sjeco.com  
 ○ AMERICAS : Steamatics, Inc. / www.steamatics.com / tech@steamatics.com  
 Technical Support :US@Steamatics / 310-537-8800

Model :  
 Ser. N :  
 Voltage :  
 Pressure :  
 Permissible Press. :  
 IP Number :

Power :  
 Volume :  
 Temperature :  
 Weight :  
 Date :

Made in KOREA

(3)



**ATTENTION**  
**Atención**

- This machine is not weather-proof.
- Do not use in rain or snow.
- Never store or leave the machine unattended below 0°C (32°F).
- Este aparato no es resistente a la intemperie.
- No utilizar bajo la lluvia o nieve.
- No almacenar o dejar sin atender a temperaturas bajo 0°C (32°F).
- Cette machine n'est pas à l'épreuve des intempéries.
- Ne pas utiliser sous la pluie ou la neige.
- Ne jamais ranger ou laisser la machine sans surveillance en dessous de 0°C (32°F).

**CAUTION / CUIDADO / PRUDENCE!**

Valves, pipes and exhaust are extremely hot.  
 Válvulas, tuberías, y escape extremadamente calientes.  
 Soupapes, tuyaux et évacuations sont extrêmement chauds.

(4)

DRAFTED BY	JD.LEE	CHECKED BY	YM.LEE	APPROVED BY	TW.KWON	DRW. DATE	2018.01.01	
						TITLE	OPTIMA XD STICKER	
MODEL				OPTIMA XD	SCALE	1:10	SIZE	A4

**TABLE NO. 009 : OPTIMA XD STICKER**

REF NO.	PART NO.	DESCRIPTION	Q'TY	UNIT	MATERIAL	FROM	TO	REPLACED NO.
1	70904	Attention sticker	1	EA				
2	28-80022	Start up & Shut down Instruction sticker, XD/E	1	EA				
2	28-80023	Start up & Shut down Instruction sticker, Asia XD/E	(1)	EA				
3	70890	Label specification, OPTIMA	1	EA				
4	70934	Attention & Caution sticker	1	EA				
5	28-80034	Certification logo, XD	1	EA				
6	20-01029	Panel flue OPTIMA-XD	1	EA				
7	20-03022	Top cover, XD/E-Red	1	EA				
8	28-80039	Water tank sticker, XD/E	1	EA		2018.09		
9	28-80040	Fuel tank sticker, XD	1	EA		2018.09		

## STANDARD ACCESSORIES

A. K26 STEAM GUN WITH NOZZLE



B. K26 STEAM GUN WITH QUICK COUPLER



C. SILENCE STEAM NOZZLE WITH QUICK PLUG



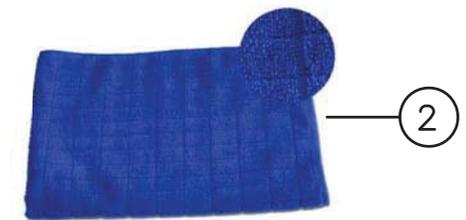
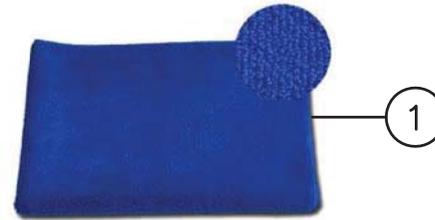
D. STEAM NOZZLE 3.5 WITH QUICK PLUG



E. STEAM HOSE 5-POLY 3/8, 10m



## OPTIONAL ACCESSORIES



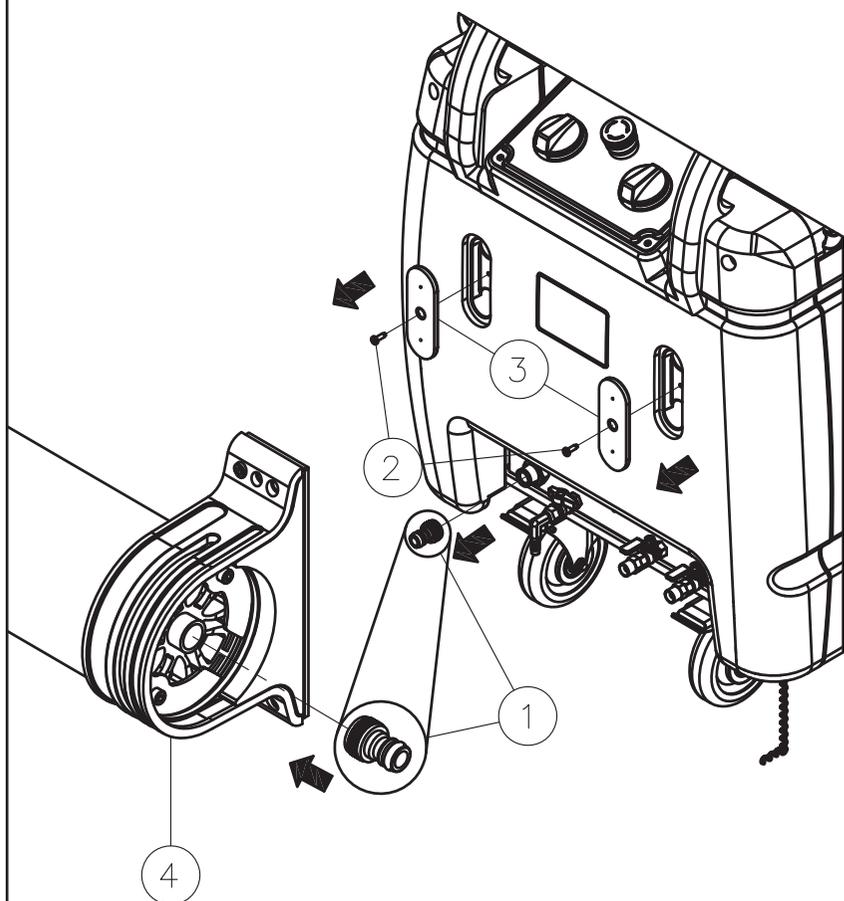
DRAFTED BY	J.D.LEE	CHECKED BY	Y.M.LEE	APPROVED BY	T.W.KWON	DRW. DATE	2016.01.01
 <b>SJE Corporation, Ltd.</b> Global Leader of Green solutions						TITLE ACCESSORIES & OPTIONAL PARTS	
MODEL	-			SCALE	1: 1	SIZE	A4

**TABLE NO. 010 : ACCESSORIES & OPTIONAL PARTS**

REF NO.	PART NO.	DESCRIPTION	Q'TY	UNIT	MATERIAL	FROM	TO	REPLACED NO.
A	A70015	Steam Gun K26 with nozzle 3.5	1		STANDARD			
B	A70274	Steam Gun K26 G3/8M with quick coupling	1		STANDARD			
C	A70026	Steam Nozzle 3.5 + Quick plug	1		STANDARD			
D	A71607	Silence steam nozzle + Quick plug	1		STANDARD			
E	A70030	Steam hose 5-Poly 3/8, 10m	2	PIFE	STANDARD			
1	A71311	Microfiber towel FBZ, Dark blue			OPTINAL			
2	A71312	Microfiber towel Warp knitted, Dark blue			OPTINAL			
3	A71313	Microfiber towel Wool, Blue			OPTINAL			
4	A71314	Microfiber towel Double warp knitted, Blue			OPTINAL			
5-1	A70039	Power steam hose 5-Poly 3/8, 10m		PIFE	OPTINAL			
5-2	A70059	Power steam hose 5-Poly 3/8, 15m		PTFE	OPTINAL			
5-3	A70060	Power steam hose 5-Poly 3/8, 20m		PTFE	OPTINAL			
6-1	A70057	Steam hose 5-Poly 3/8, 15m		PTFE	OPTINAL			
6-2	A70058	Steam hose 5-Poly 3/8, 20m		PTFE	OPTINAL			

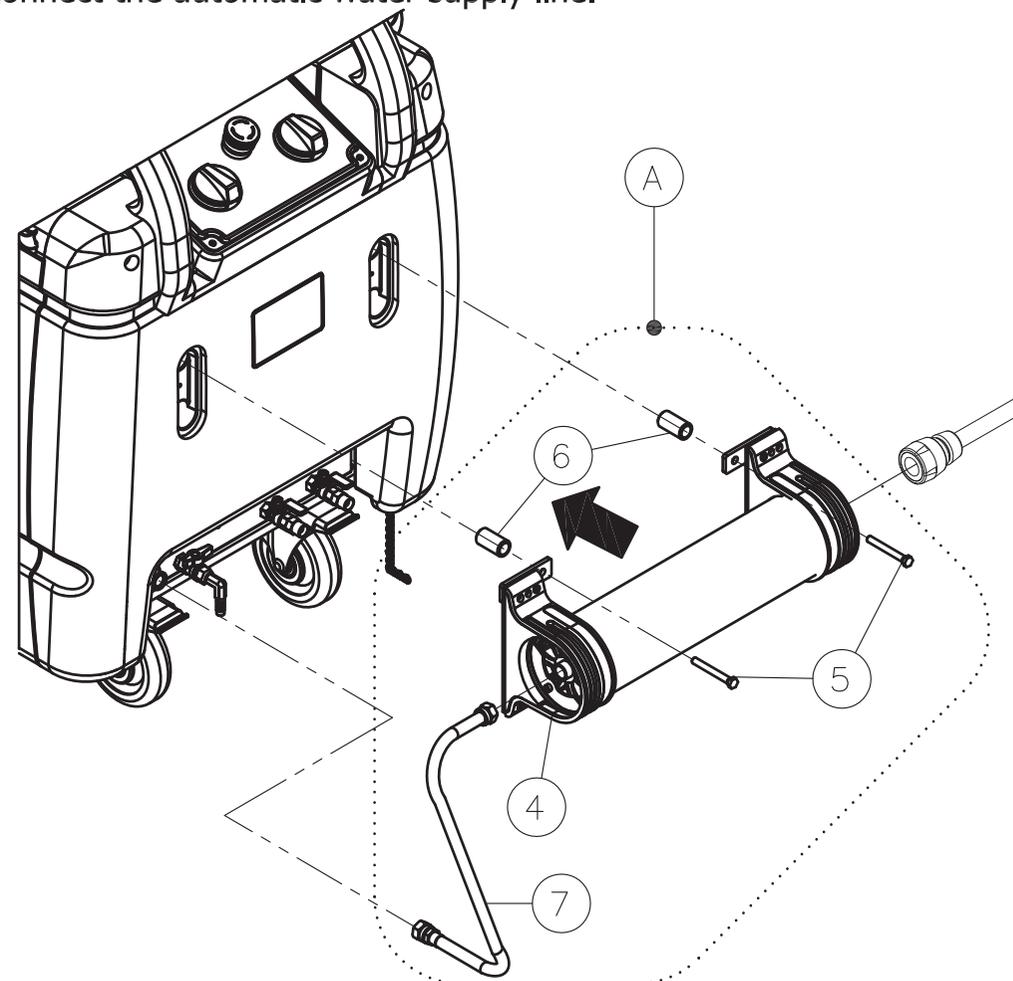
## 1. Preparation

1. Disassemble ①Plug from the steamer, and then assemble it to ④OMEGA SOFTENER.
2. Loosen the ②SCREW and remove ③HANDLE CAP.



## 2. Installation

1. Tighten ⑤BOLT to the steamer by passing through ④OMEGA SOFTENER and ⑥RING ROD like below picture.
2. Connect the ⑦HOSE between the steamer and ④OMEGA SOFTENER.
3. Connect the automatic water supply line.



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JD.LEE	YM.LEE	TW.KWON	2018.01.01
 <b>SJE Corporation, Ltd.</b> Global Leader of Green solutions			TITLE
			OMEGA SOFTNER(OPTIONAL)
MODEL	SCALE	SIZE	
OPTIMA XD	1: 6	A4	

**TABLE NO. 011 : OMEGA SOFTNER(OPTIONAL)**

REF NO.	PART NO.	DESCRIPTION	Q'TY	UNIT	MATERIAL	FROM	TO	REPLACED NO.
1	70615	Plug G1/2F - 10.5 for Coupling	1	EA				
2	70500	Screw T / T M4.8 x 20	2	EA				
3	20-03036	Handle cap, Red-2V	2	EA				
4	15-50004	Omega, Softener	1	EA				
5	14-40047	Hex bolt M8 x 110, Zn	2	EA				
6	20-06025	Bracket Rod, Omega, XD/E	2	EA				
7	12-22004	Feedwater hose L.600	1	EA				
A	85-50048	Omega Softener kit for XD/E - (4, 5, 6, 7)	1	SET				







[Headquarter Office]  
78-21, Sandan 7-ro, Jeonggwan-myeon, Gijang-gun, Busan, South Korea  
Tel: +82 51-521-3200 | Fax: +82 505-521-3305 | Web: www.SJECorp.com

[Seoul Office]  
C203, 40, Imi-ro, Uiwang-si, Gyeonggi-do, South Korea  
Tel: +82 31-479-5660 | Fax: +82 505-521-3305 | Web: www.SJECorp.com



[US office - Steamericas, Inc.]  
808 HINDRY AVENUE # E INGLEWOOD, CA 90301, United States  
Tel: +1 310-327-8900 | Fax: +1 866-275-3582 | Web: www.steamericas.com

