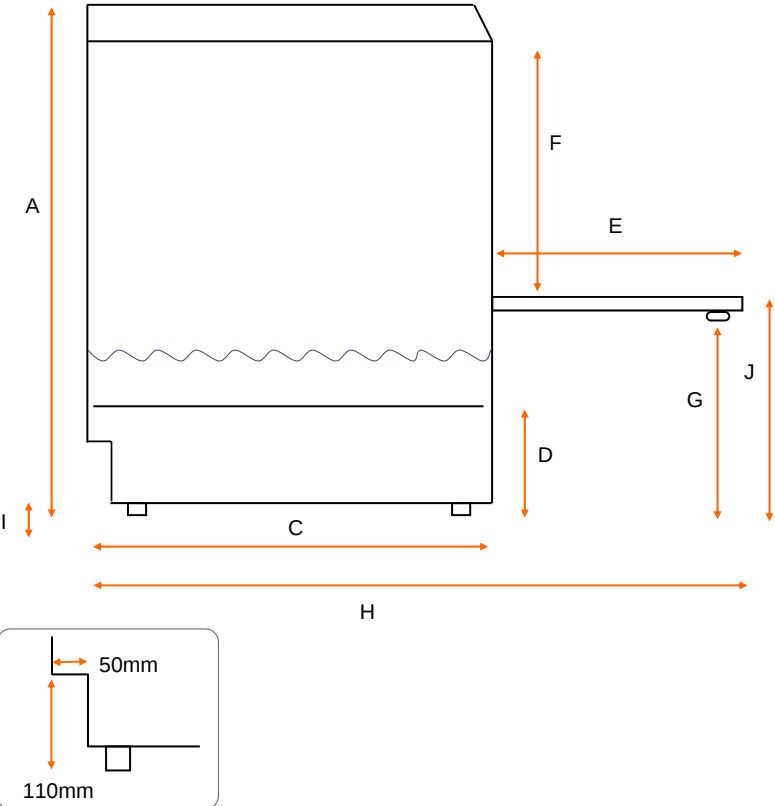




Index	
Page	Content
2	Cabinet and panels
3	Wash system
4	Drain pump
5	Rinse and heating system
6	Chemical dosing versions
7	Water softener
8	Wash and rinse arms
9	Break tank system
10	Control panel
11	Schematic
12	Schematic break tank + Softener
13	Electrical overview

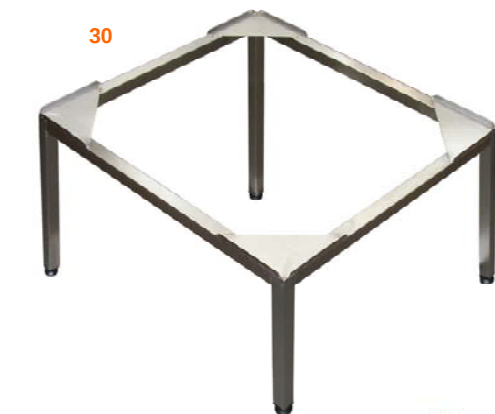
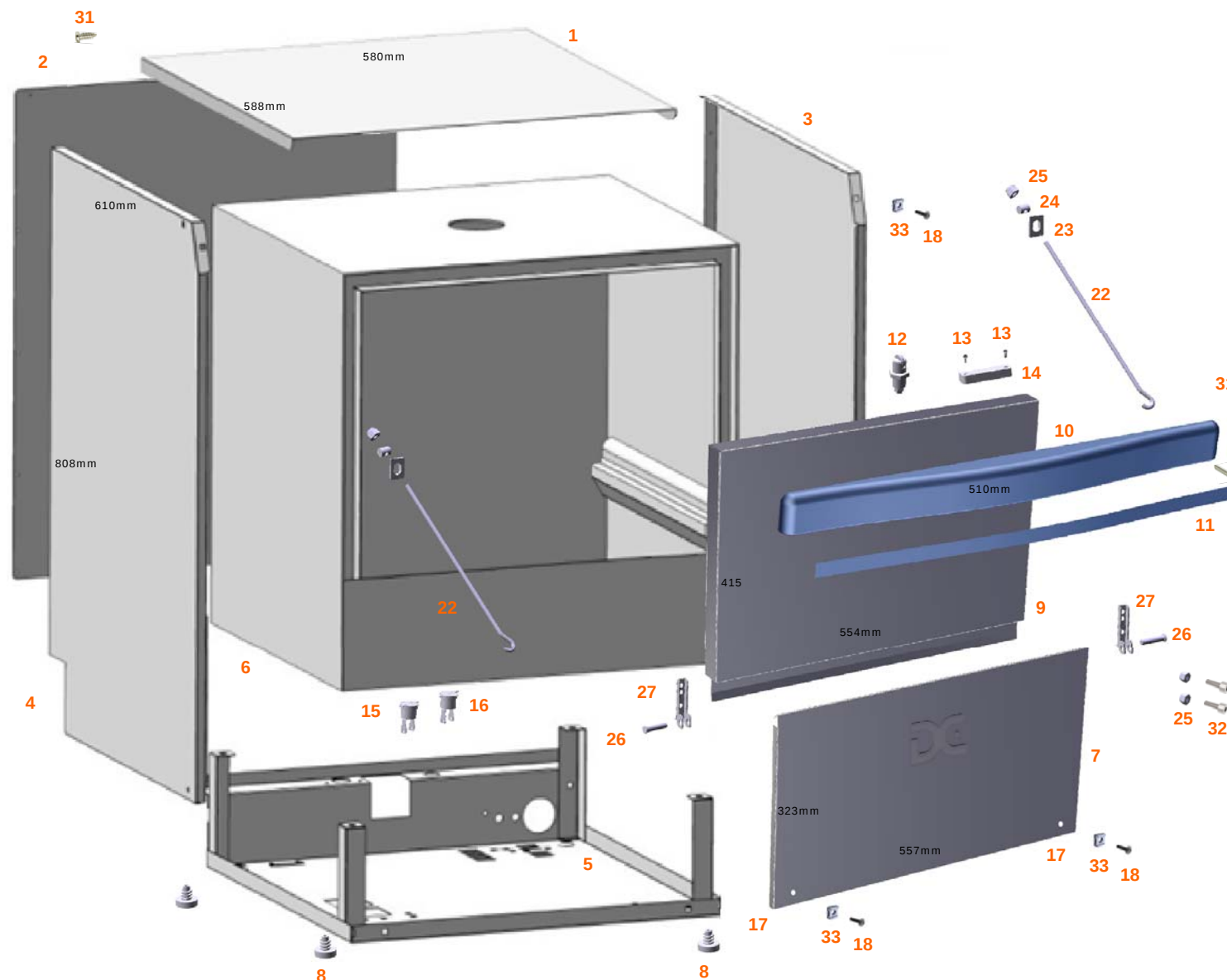
Drain pump	D
Internal water softener	IS
Break tank Type A	A

TECHNICAL DATA

A	Machine height + foot	825 mm	Water usage average per cycle	2.3 litres	Power supply	13 Amp
B	Machine width	580 mm	Waste outlet hose Ø gravity	25 mm	Total load Kw	3070
C	Machine depth	635 mm	Waste outlet hose Ø drain pump	18.5 mm	Total load Amps	12.79
D	Drain height	200 mm	Wash tank capacity	26 Litres	Boiler element Kw	2.6
E	Door length	381 mm	Rinse boiler capacity	2.8 Litres	Wash tank element Kw	2.000
F	Door surface to door opening	370 mm	Water connection hose	3/4 BSP	Wash motor Kw	0.40
G	Floor to under side door handle	310 mm	Water pressure minimum required	2.5 Bar	Rinse boiler temperature	0 ~ 90c
H	Open door to rear	1016 mm	Cycle times - Seconds	180	Wash tank fixed temperature	60c
I	Foot height - Adjustable	10 mm	Db rating	68	Service run height from floor	110 mm
J	Floor to door surface	361 mm	Usable wash height	315	Service run depth	70 mm



Pos	Code	Description
1	909926	PANEL TOP
2	904568	PANEL REAR
3	909876	PANEL RIGHT
4	909877	PANEL LEFT
5	900273	BASE S/STEEL
6	901767	TANK CABINET
7	904802	PANEL LOWER FRONT
8	905000	FOOT PLASTIC PVC THREADED
9	905184	DOOR 505x390x25
10	903933	HANDLE PLASTIC + GRAFIX STRIP 510mm
11	901683	HANDLE TRIM DC SERIES
12	906121	DOOR CATCH + NUT-S/STEEL
13	907654	SCREW M2 9x9,5 DOOR MAGNET FIXING
14	908706	DOOR MAGNET
15	907132	THERMOSTAT WASH SURFACE 60c (NC)
16	907126	THERMOSTAT MACHINE READY SURFACE 42c NO
17	902004	CADGED NUT M5
18	907862	SCREW BOLT PANEL FIXING
19	901500	RACK DISH PLASTIC 500x500
20	901510	RACK CUP PLASTIC 500x500
21	901511	RACK CUTLERY PLASTIC 500x500
22	907240	DOOR STAY
23	904952	DOOR STAY GUIDE
24	905424	DOOR STOP
25	902040	DOOR STAY LOCK NUT M6
26	904795	DOOR PIN
27	901245	DOOR SUPPORT
28	901516	BASKET SINGLE FOR CUTLERY GREY
29	900551	BASKET CUTLERY 4 COMPARTMENT WHITE
30	STD50	STAINLESS STEEL STAND / ADJUSTABLE FEET
31	907550	SCREW TC 3.9X9.5 NI REAR PANEL SCREW
32	907721	ALLEN BOLT 6x10 LARGE
33	902004	CAGED NUT M5
34	927734	SCREW BOLT HANDLE FIXING



19

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21

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Pos	Code	Description
1	902263	PUMP WASH 0.40 kw
2	900129	DRAIN PLUG H=175mm Ø=35mm 8 BOLT SUMP
3	902406	FILTER BOWL SCRAPS H=140mm Ø=95mm 8 BOLT SUMP
4	905238	RIM DISC SUMP 8 HOLE FIXING
5	905378	GASKET LOWER SUMP 8 HOLE FIXING
6	905237	HOUSING SUMP PUMP & WASTE OUTLET 8 HOLE FIXING
7	907440	HOSE WASTE D= 25mm
8	904799	WASH PIN UPPER
9	908705	WASH PIN HUBLOWER
10	908456	SLEVE REDUCING S/STEEL
11	906002	WASHER HUB LOWER
12	905388	HUB LOWER PLASTIC PART ASSEMBLY FITTING
13	908702	COLLAR HUB LOWER H=28mm
14	905449	HUB INLET HOUSING UPPER/LOWER
15	903756	HOSE CONECT WASH HOSE
16	909371	HOSE WASH PUMP OUTLET
17	903694	HOSE WASH PUMP INLET
18	901740	CAPACITOR-12.5 uf
19	905456	HUB INLET HOUSING UPPER
20	908141	GASKET HUB UPPER/LOWER
21	908124	FLANGE HUB UPPER
22	902460	CLIP 26-38 SIZE 38
23	902441	CLIP 38-50 SIZE 50
24	908701	HOSE WASH UPPER/LOWER PLASTIC
25	902263A	IMPELLOR HOUSING
26	902263B	SEAL IMPELLOR HOUSING
27	902263C	IMPELLOR
28	902263D	SEALS INNER MECHANICAL SHAFT
29	907844	BOLT M5x10mm
30	907875	BOLT M5x65 LOWER HUB LARGE SPACER
31	907534	BOLT M5x16mm
32	905262	AIR TRAP H=90
33	903263	GASKET AIR TRAP M12
34	902038	NUT M12 AIR TRAP



Machines without break tank

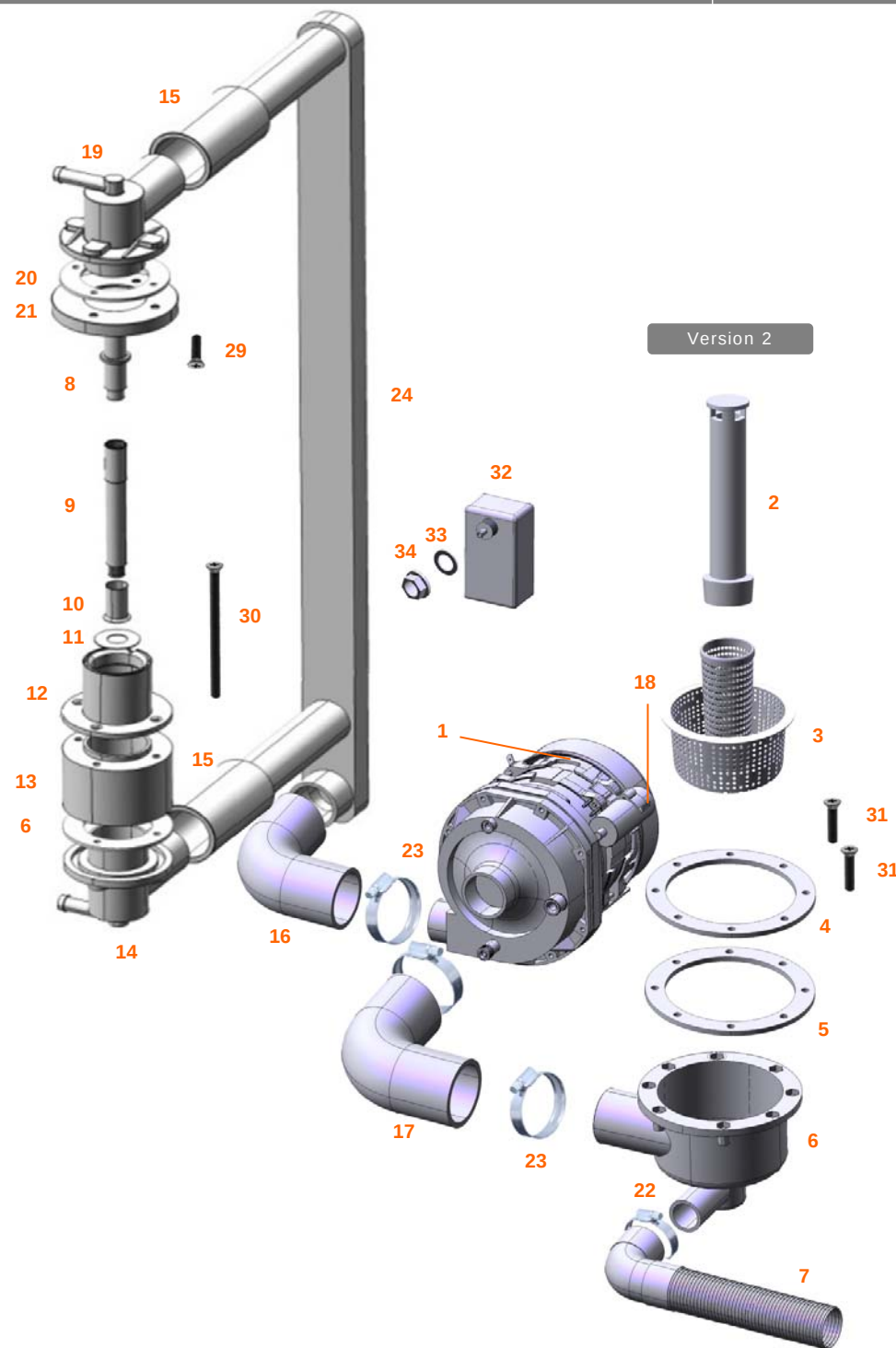
Machines with break tank



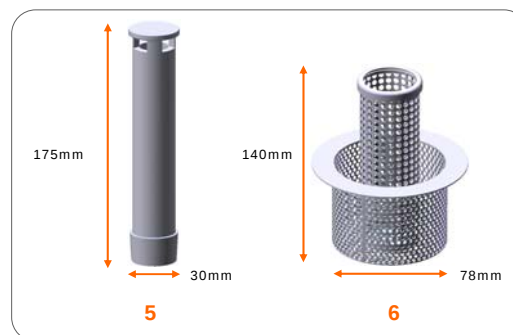
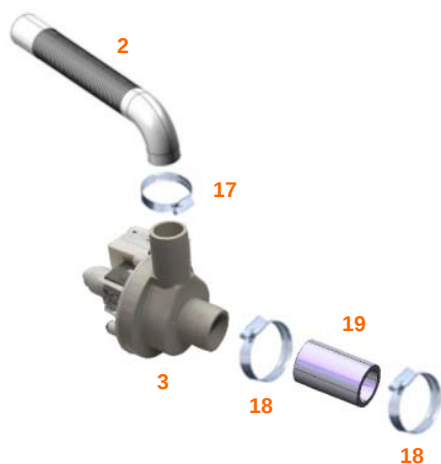
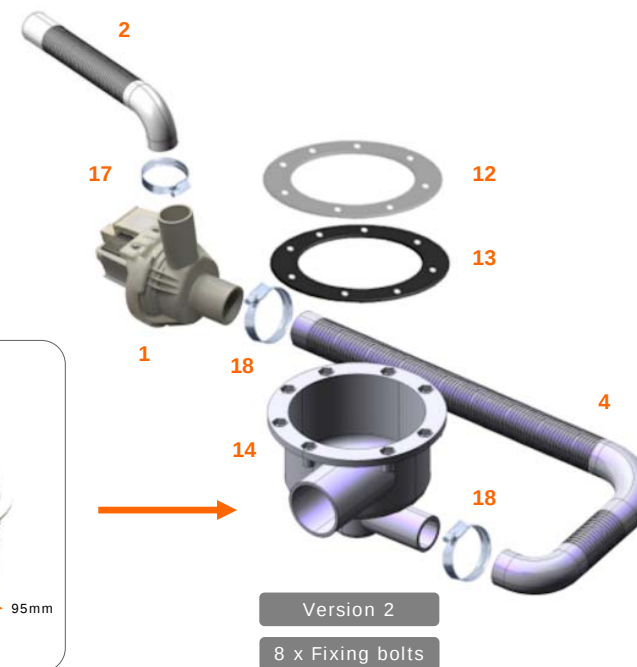
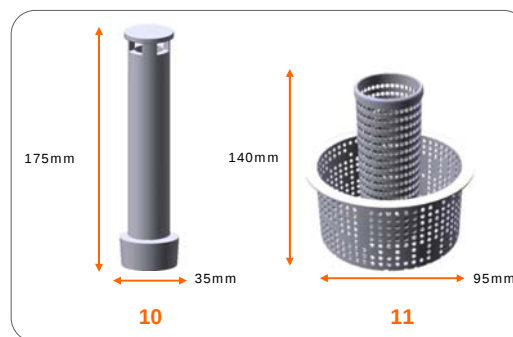
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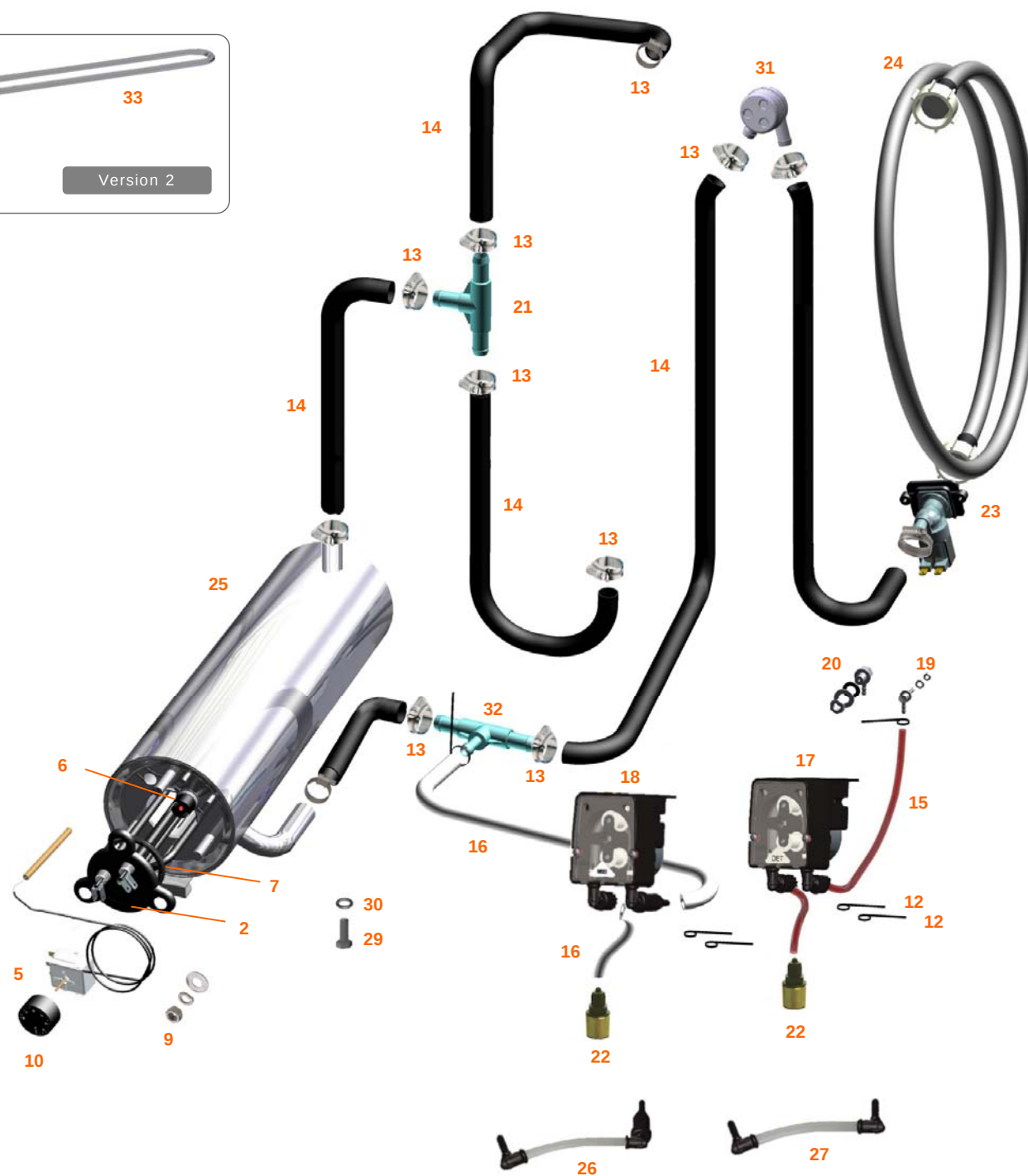
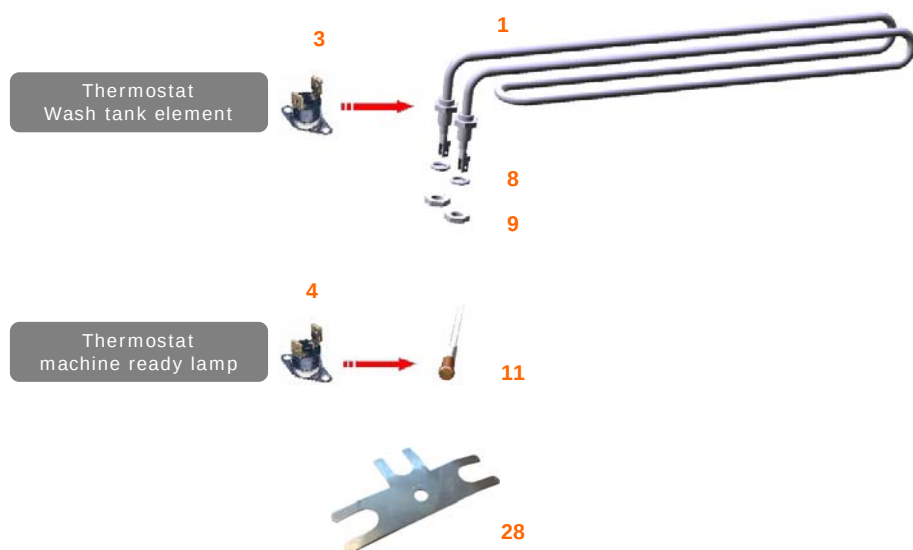
14



Pos	Code	Description
1	902332	DRAIN PUMP 40w NO FAN HANN
2	907439	HOSE WASTE D=18.5 L=2000 DRAIN PUMP MODELS
3	902363	DRAIN PUMP 25w NO FAN 2016 HANN
4	907452	HOSE FLEXI WASH TANK TO WASTE PUMP 245mm
5	905248	DRAIN PLUG H=175mm Ø=30mm 4 BOLT SUMP
6	902630	FILTER BOWL SCRAPS H=140mm Ø=78mm 4 BOLT SUMP
7	905256	RIM DISC SUMP 4 HOLE
8	905257	GASKET LOWER SUMP 4 HOLE
9	905245	LOWER SUMP FITTING 4 HOLE
10	900129	DRAIN PLUG H=175mm Ø=35mm 8 BOLT SUMP
11	902406	FILTER BOWL SCRAPS H=140mm Ø=95mm 8 BOLT SUMP
12	905238	RIM DISC SUMP 8 HOLE FIXING
13	905378	GASKET LOWER SUMP 8 HOLE FIXING
14	905237	HOUSING SUMP PUMP & WASTE OUTLET 8 HOLE FIXING
15	903672	HOSE SUMP TO DRAIN PUMP ELBOW
17	902454	CLIP 19-28 SIZE 28
18	902460	CLIP 26-38 SIZE 38
19	903714	HOSE RBP OUTLET DP



Pos	Code	Description
1	905575	ELEMENT WASH TANK 2.000 Kw + O-RINGS + NUTS
2	905496	ELEMENT BOILER 2.600 kw + O-RING
3	907132	THERMOSTAT WASH SURFACE 60c (NC)
4	907126	THERMOSTAT MACHINE READY-SURFACE 42c (NO)
5	907100	THERMOSTAT BOILER PROBE 0-90c
6	907243	THERMOSTAT SAFETY SURFACE 95c (NC)
7	907981	O RING BOILER ELEMENT
8	904391	O RING WASH TANK ELEMENT
9	923393	NUT ELEMENT FIXING
10	903982	DIAL CONTROL THERMOSTAT
11	903686	LAMP AMBER MICRO 6mm PUSH CLIP
12	902430	CABLE TIE SMALL 100x2.5
13	902440	CLIP 13-20 SIZE 20
14	907360	HOSE RINSE 10x17 (PER MTR)
15	907278	TUBE DETERGENT-RED (PER MTR)
16	907279	TUBE CLEAR SILICON (PER MTR)
17	902063	PUMP PERISTALTIC DETERGENT SEKO
18	902062	PUMP PERISTALTIC RINSE AID SEKO
19	906708	ELBOW WASH TANK DETERGENT MICRO (NUT+GASKET)
20	902366	ELBOW WASH TANK DETERGENT LARGE S/STEEL (NUT+GASKET)
21	905382	TEE HOSE RINSE HOSE GREY/BLUE
22	906621	WEIGHT & FILTER UNIT NRV COMBINED
23	902390	SOLENOID VALVE 1 WAY
24	907344	HOSE MAINS WATER INLET L=1500
25	900367	BOILER 340x100 + THERMOSTAT SAFTY SURFACE 95c
26	907276	PERISTALTIC TUBE DETERGENT SEKO
27	907277	PERISTALTIC TUBE RINSE AID SEKO
28	927990	BRACKET THERMOSTATS SURFACE x 3 S/STEEL
29	907820	DRAIN BOLT BOILER 13mm
30	904430	O RING DRAIN BOLT
31	TR2433	ANTI SYPON VALVE COMPLETE
32	905434	TEE HOSE BLUE RINSE AID OPEN CONECTION 3 mm
33	905771	ELEMENT WASH TANK 1.600 kw + O-RINGS + NUTS (Version 2)



Pos	Code	Description
1	902062	PUMP PERISTALTIC RINSE AID SEKO
2	902063	PUMP PERISTALTIC DETERGENT SEKO
3	922344	PUMP PERISTALTIC RINSE AID PUMP GERMAC
4	922340	PUMP PERISTALTIC DETERGENT GERMAC
5	902013	INJECTOR RINSE AID 3 WAY SEKO LOW PRESSURE
6	905434	TEE HOSE BLUE RINSE AID OPEN CONECTION 3 mm
7	908150	TEE RINSE AID NON RETURN VALVE
8	909372	NON RETURN VALVE INLINE GERMAC MINI 3/16"X 3/16"
9	906708	ELBOW WASH TANK DETERGENT MICRO (NUT+GASKET)
10	902366	ELBOW WASH TANK DETERGENT LARGE S/STEEL (NUT+GASKET)
11	907287	PERISTALTIC TUBE DETERGENT GERMAC
12	908323	PERISTALTIC TUBE RINSE AID GERMAC
13	907276	PERISTALTIC TUBE DETERGENT SEKO
14	907277	PERISTALTIC TUBE RINSE AID SEKO

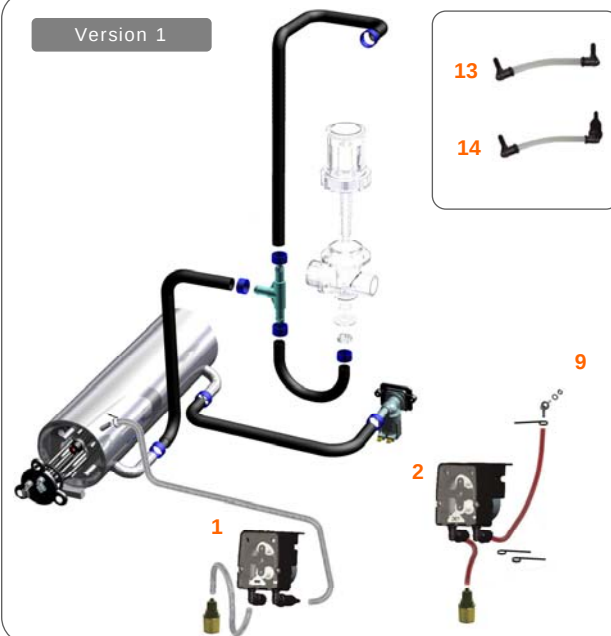
RINSE AID - CLEAR / BLUE TUBE



DETERGENT - RED TUBE



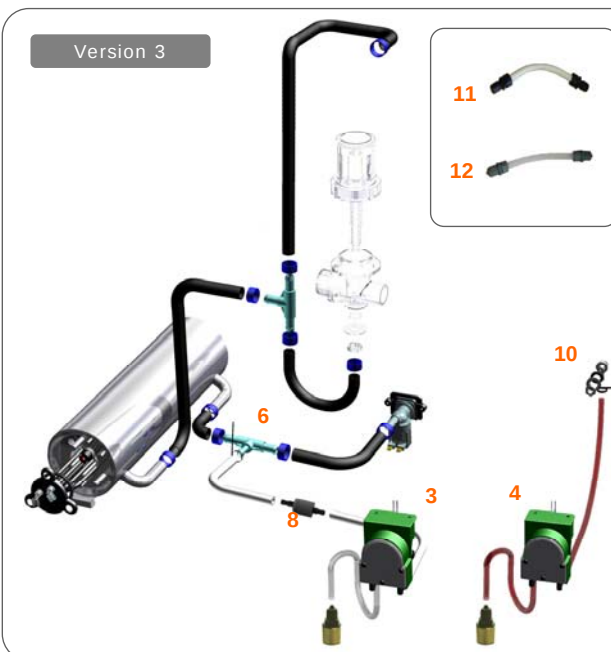
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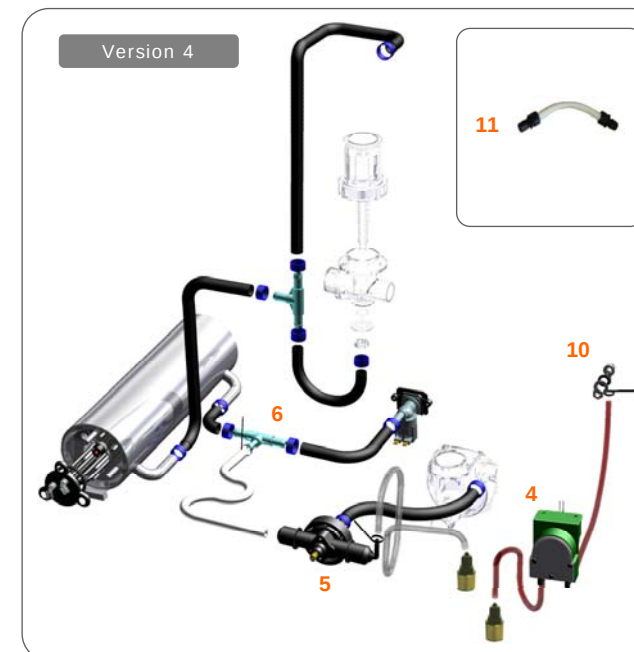
Version 2



Version 3



Version 4

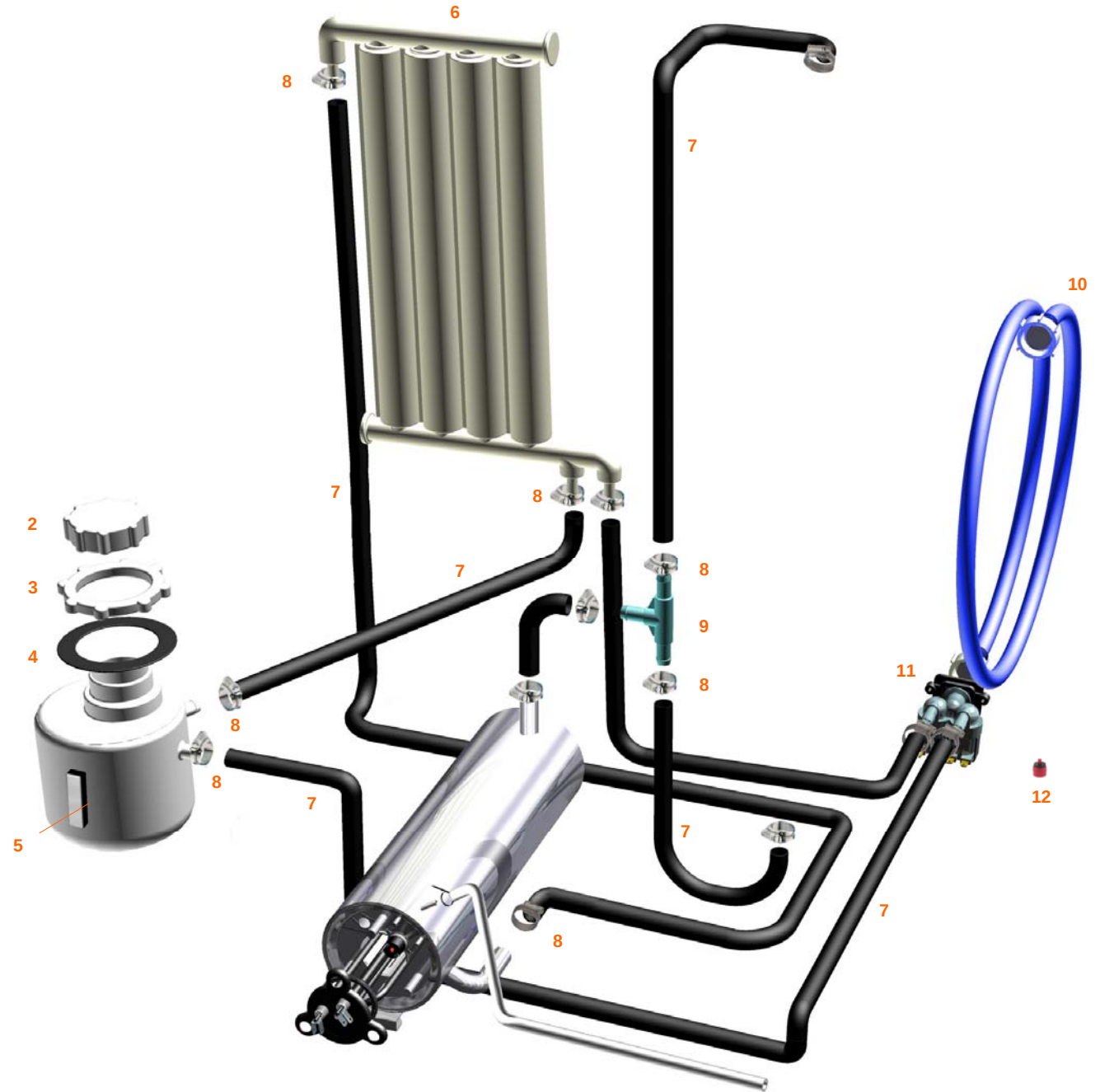


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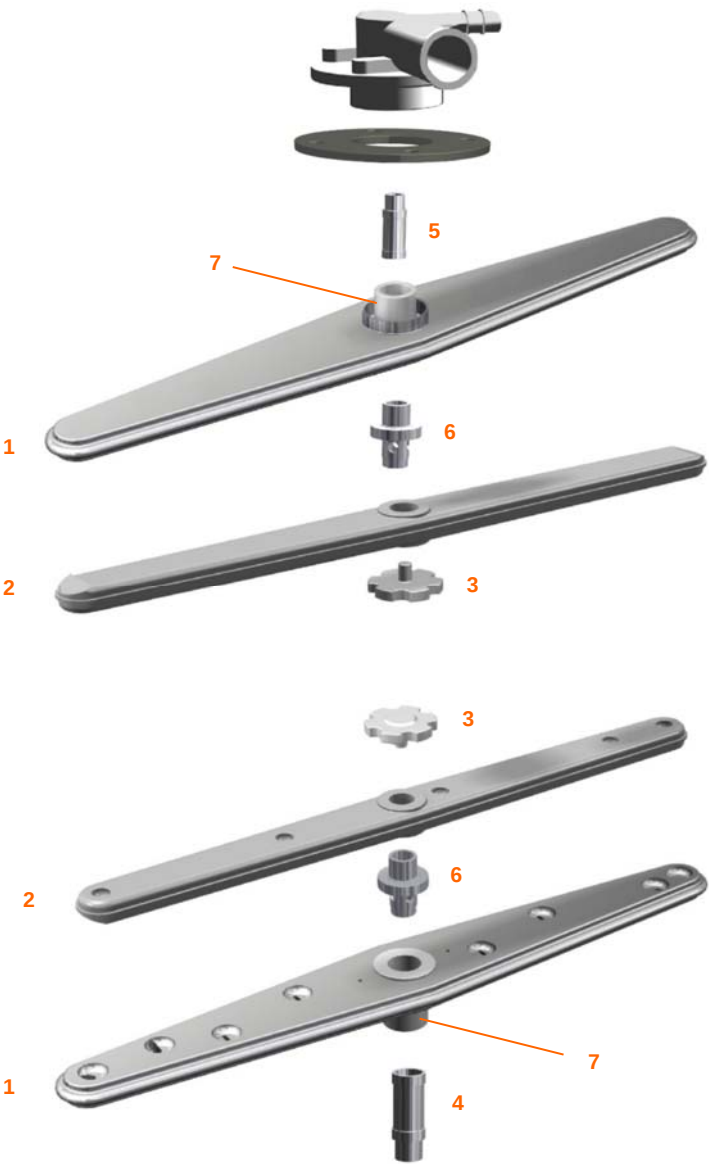
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Pos	Code	Description
1	901794	SALT CONTAINER WITH SENSOR LEVEL COMPLETE
2	906418	LID SALT CONTAINER SCREW THREAD
3	902830	NUT THREADED FOR SALT CONTAINER
4	903340	GASKET SALT CONTAINER
5	921717	SENSOR LEVEL SWITCH SALT POT SALINE - N/O
6	902150	WATER SOFTENER x4 CONTAINER RESIN REAR
7	907360	HOSE RINSE 10x17 (PER MTR)
8	902440	CLIP 13-20 SIZE 20
9	905382	TEE HOSE RINSE HOSE GREY/BLUE
10	907344	HOSE MAINS WATER INLET L=1500
11	902401	SOLENOID VALVE 2 WAY + RESTRICTOR
12	922392	RESTRICTOR VALVE 6ltr / MIN ORANGE
13	906413	CAP BLANK FOR SALT CONTAINER
14	928541	REED SWITCH FOR SALT POT Ver.2

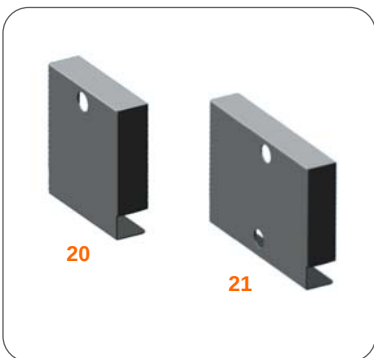
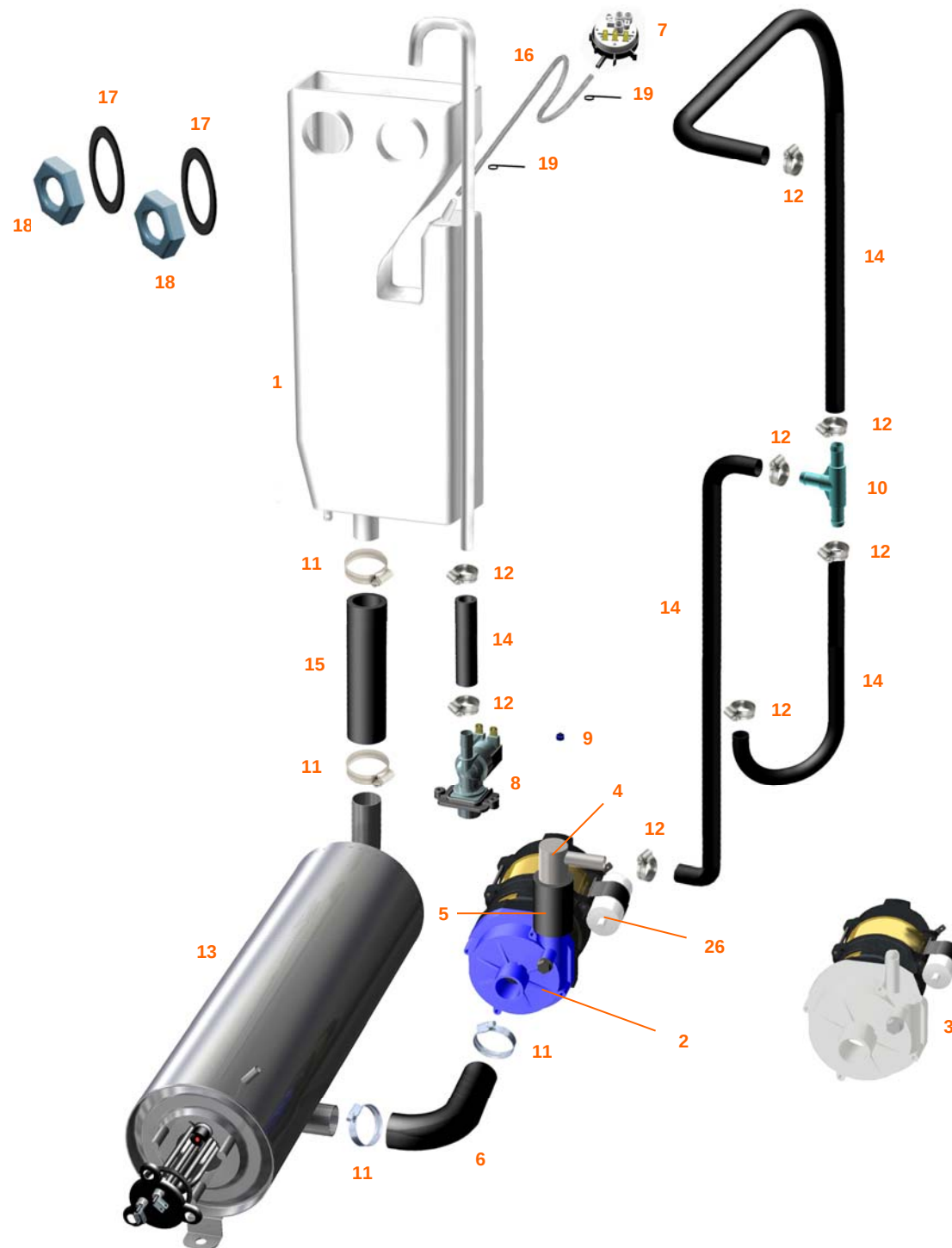


Pos	Code	Description
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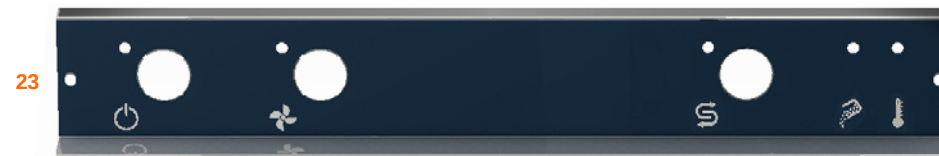
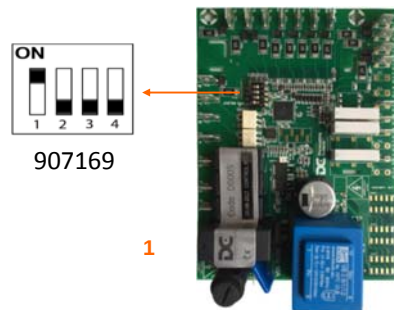
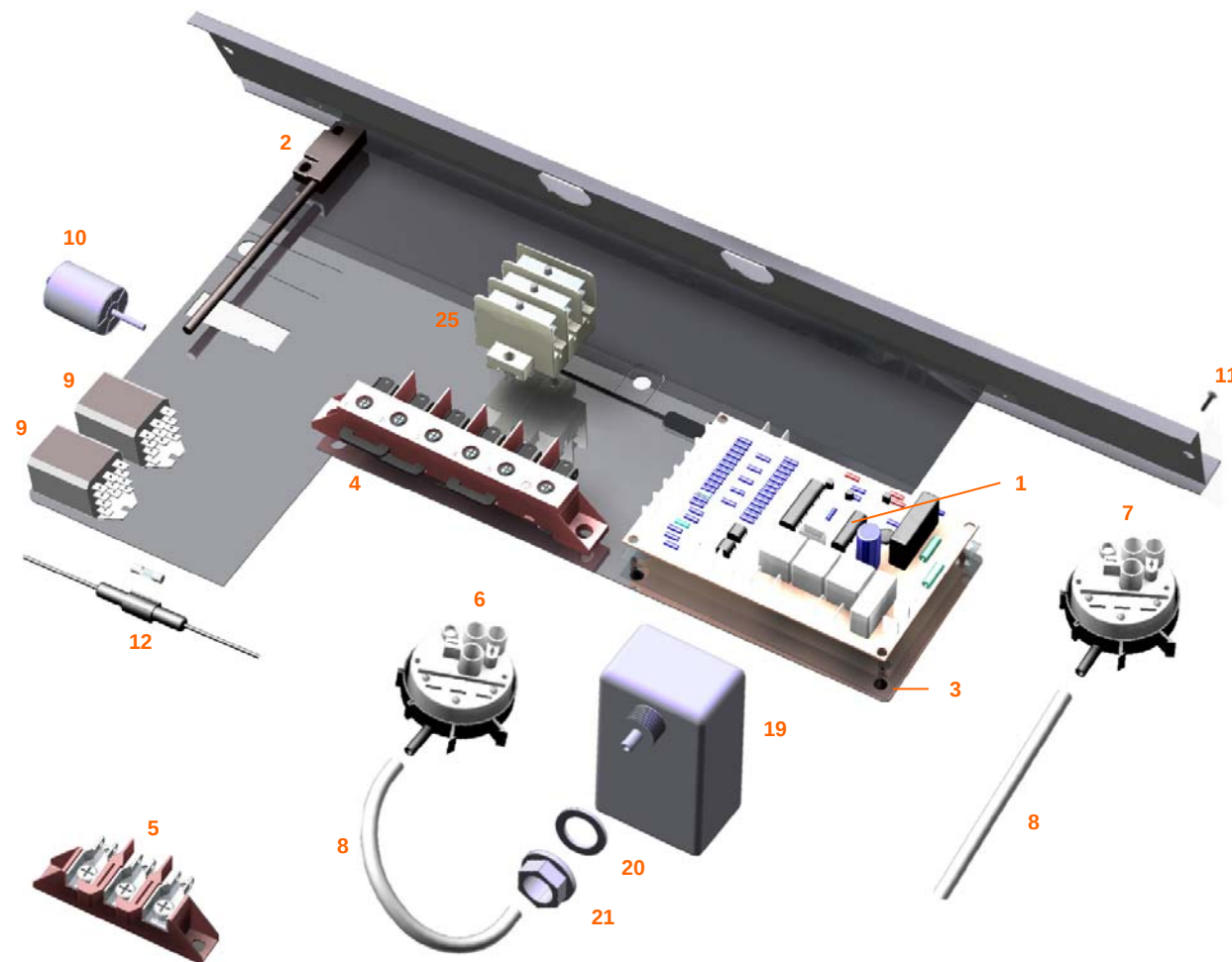
1	903107	WASH ARM COMPLETE 50 BLADE SIZE S/STEEL
2	903028	RINSE ARM S/STEEL 50 BLADE SIZE
3	902880	NUT RINSE ARM PLASTIC
4	908705	WASH PIN LOWER
5	904799	WASH PIN UPPER
6	908771	RINSE PIN PPL S/STEEL
7	904277	BOSS WASH ARM CENTRE + NUT

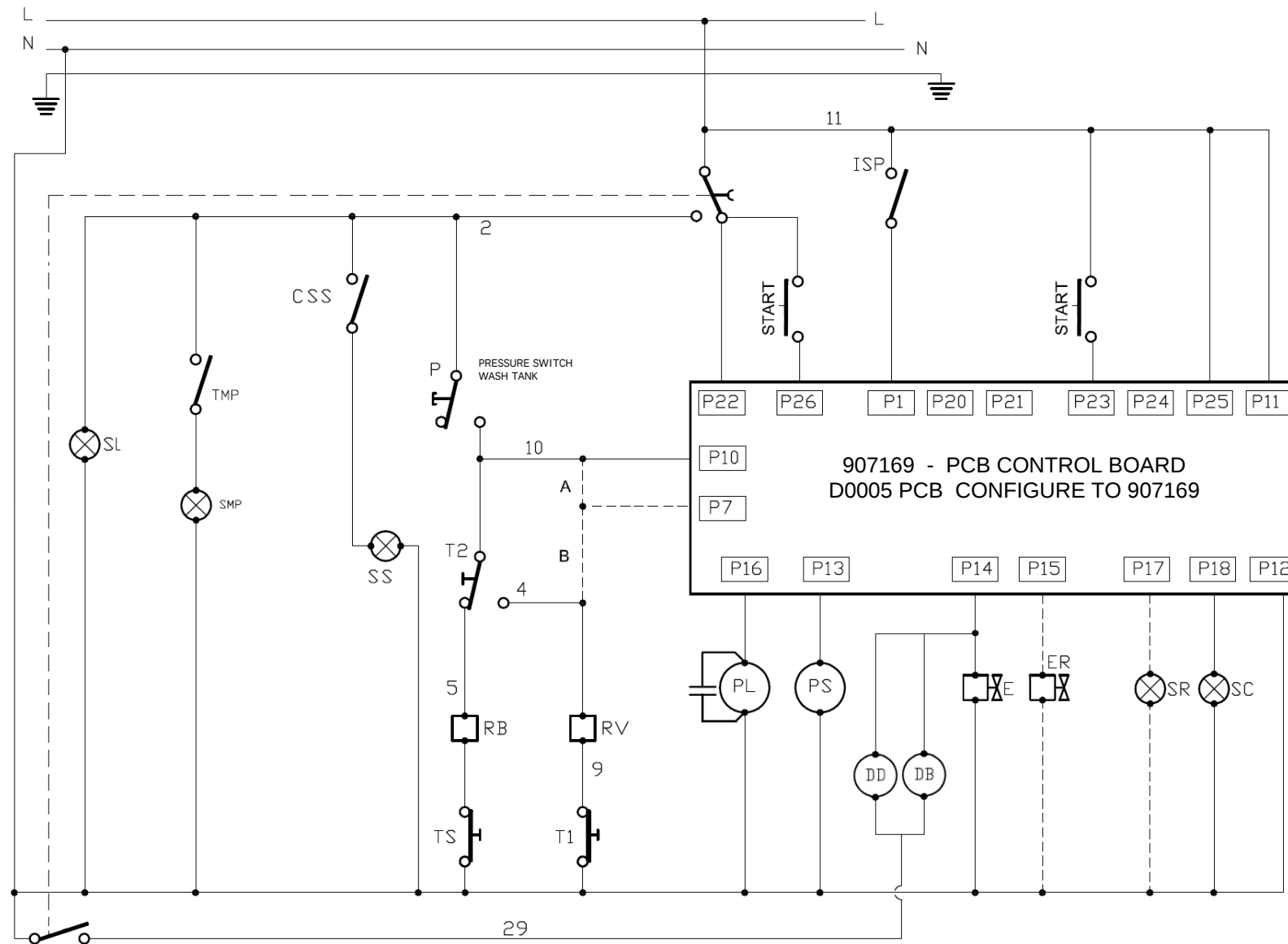


Pos	Code	Description
1	908794	BREAK TANK "A" PPL PLASTIC COMPLETE
2	902235	PUMP RINSE BOOSTER PUMP 0.20 kw "A" RANGE BLUE HOUSING
3	902241	PUMP RINSE BOOSTER WHITE HOUSING
4	901651	ELBOW REDUCING R.B.P S/STEEL "A" RANGE
5	903714	HOSE RBP OUTLET
6	903713	HOSE INLET RINSE BOOSTER PUMP "A" RANGE
7	905275	PRESSURE SWITCH 90/35
8	902390	SOLENOID VALVE 1 WAY
9	922391	RESTRICTOR VALVE 8ltr / MIN BLUE
10	905382	TEE HOSE RINSE HOSE GREY/BLUE
11	902460	CLIP 26-38 SIZE 38
12	902440	CLIP 13-20 SIZE 20
13	900391	BOILER SD50A/45A PD50A/45A "A" TYPE
14	907360	HOSE RINSE 10x17 (PER MTR)
15	903664	HOSE BREAK TANK TO BOILER 2015 L=300mm
16	907279	TUBE SILICONE CLEAR (PER MTR)
17	903325	GASKET HOUSING OVERFLOW BREAKTANK
18	902080	NUT HOUSING BREAK TANK
19	902430	CABLE TIE SMALL 100x2.5
20	900086	BREAK TANK INTERNAL COVER / SMALL
21	920086	BREAK TANK INTERNAL COVER / MEDIUM
22	902235A	IMPELLOR HOUSING
23	902235B	SEAL IMPELLOR HOUSING
24	902235C	IMPELLOR
25	902235D	SEALS INNER MECHANICAL SHAFT
26	901744	CAPACITOR 6.3 uf



Pos	Code	Description
1	907169	TIMER ELECTRONIC & RELAY BOARD
1	D0005	TIMER ELECTRONIC & RELAY BOARD DC BD.01 2017
2	909289	REED SWITCH PLASTIC CASE HORIZONTAL
3	926655	SUPPORT FOR TIMER (PACK OF 4)
4	904150	TERMINAL BLOCK MAINS 6 POLE
5	904140	TERMINAL BLOCK MAINS 3 POLE
6	905264	PRESSURE SWITCH 35/17 WASH TANK
7	905275	PRESSURE SWITCH 90/35 BREAK TANK
8	907279	TUBE CLEAR SILICON 4x7 (PER MTR)
9	905479	RELAY 11-PIN 250v 16A FINDER
10	902105	NOISE FILTER-SUPPRESSOR
11	907862	SCREW BOLT PANEL FIXING
12	907128	FUSE HOLDER CONECTIONS + FUSE / 2 Amp
13	904162	TERMINAL REDIRECT INTERNAL 2 WAY
14	903686	LAMP AMBER MICRO 6mm PUSH CLIP
15	903648	LAMP GREEN MICRO 6mm PUSH CLIP
16	928900	SWITCH - ON/OFF 6 PIN - ROUND KEYED GREY
17	928901	SWITCH - CYCLE START 2 PIN ROUND KEYED GREY
18	928902	SWITCH - REGENERATION 2 PIN KEYED GREY
19	905262	AIR TRAP H=90
20	903263	GASKET AIR TRAP M12
21	902038	NUT M12 AIR TRAP
22		TARGA OVERLAY SD50
23		TARGA OVERLAY IS SOFTENER SD50 IS
24	904162	REDIRECT INTERNAL 2 WAY INTERCONNECT WIRES
25	904164	REDIRECT TERMINAL 3 WAY INTERCONNECT WIRES
26	904167	REDIRECT TERMINAL 4 WAY INTERCONNECT WIRES

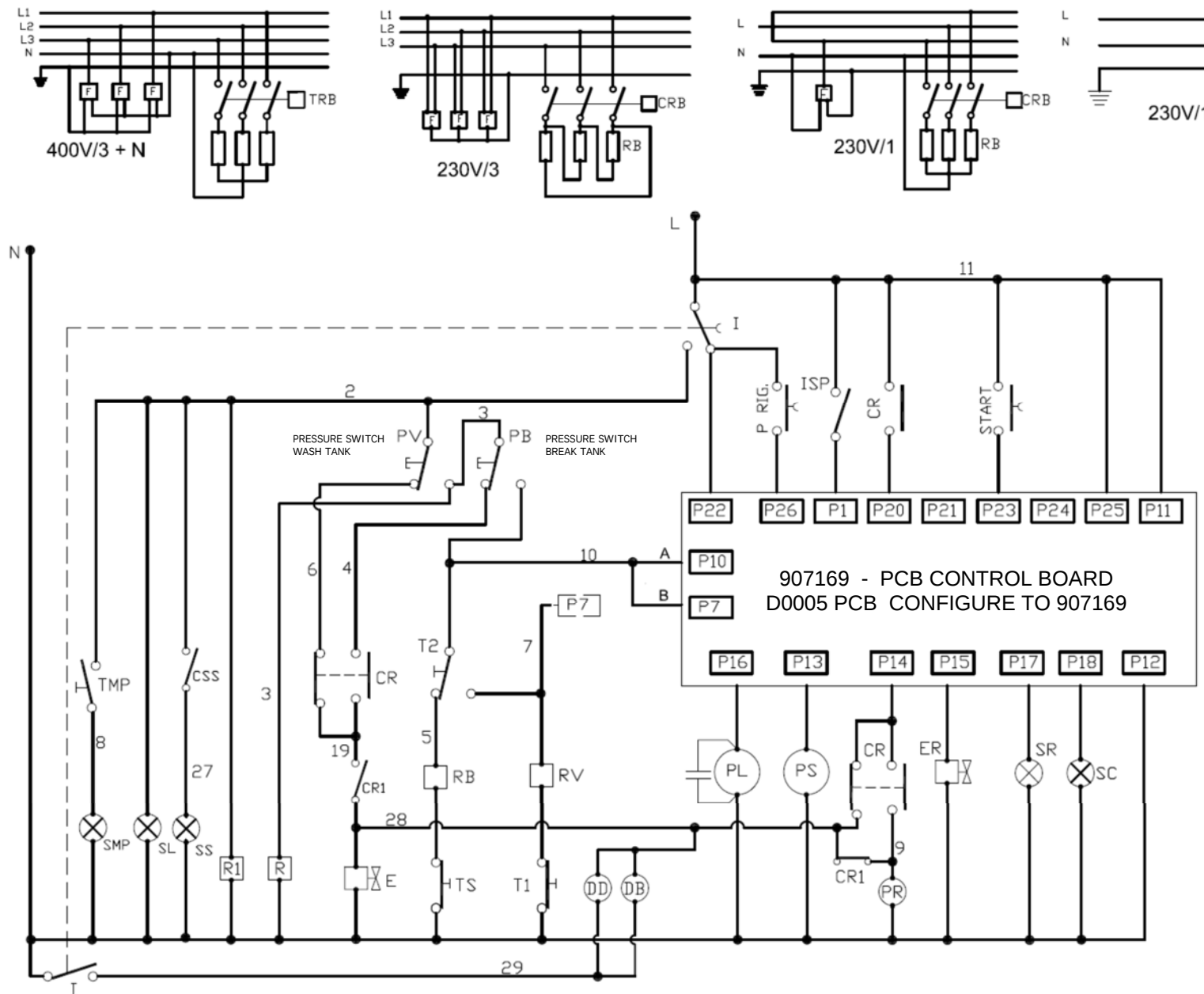




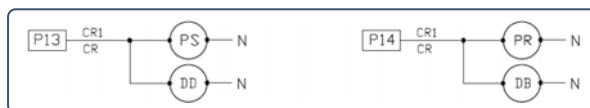
MAIN SWITCH ON/OFF 6 POLE -(RIGHT SIDE x 3 NEUTRAL) (LEFT SIDE x 3 LIVE)

P7 THERMOSTOP FOR BOILER		CYCLE TIMES	CONNECTIONS P24 & 25
A	DISABLE	2 MINS	NOT CONNECTED
B	ENABLED	3 MINS	P25
UPGRADED CONTROL PCB		1 MIN	P24
D0005		1 MIN 30 SEC	P24 & P25

CR	11 PIN RELAY
CR1	11 PIN RELAY
CSS	REED SWITCH SALT POT
DB	RINSE AID PUMP
DD	DETERGENT PUMP
E	SOLENOID VALVE
ER	SALT SOFTENER SOLENOID VALVE
F	NOISE FILTER
I	ON/OFF MAINS SWITCH
ISP	REED SWITCH - DOOR
PB	PRESSURE SWITCH BREAK TANK
PV	PRESSURE SWITCH WASH TANK
PL	WASH PUMP
PR	RINSE BOOSTER PUMP
RB	ELEMENT RINSE BOILER
RV	ELEMENT WASH TANK
SS	LAMP SALT LOW
PS	DRAIN PUMP
P RIG	SWITCH REGENERATION SOFTENER
SR	LAMP REGENERATION CYCLE
SC	LAMP WASH CYCLE
SEC	
SMP	MACHINE READY LAMP
R	
R1	
START	CYCLE START SWITCH
T1	THERMOSTAT WASH TANK
T2	THERMOSTAT RINSE BOILER
TMP	THERMOSTAT MACHINE READY LAMP
TS	THERMOSTAT SAFETY RINSE BOILER
SL	LAMP MAINS ON
CRB	CONTACTOR BOILER
TRB	CONTACTOR 9A
TRB BIS	CONTACTOR 9A
TRV	CONTACTOR 9A
L	MAINS LIVE 230v
N	MAINS NEUTRAL 230v
B	
SB	
ST	



MAIN SWITCH ON/OFF 6 POLE -(RIGHT SIDE x 3 NEUTRAL) (LEFT SIDE x 3 LIVE)



VERSION 2 CHEMICAL DOSING PUMP CONECTIONS

P7 THERMOSTOP FOR BOILER		CYCLE TIMES	CONNECTIONS P24 & 25
A	DISABLE	2 MINS	NOT CONNECTED
B	ENABLED	3 MINS	P25
UPGRADED CONTROL PCB		1 MIN	P24
D0005		1 MIN 30 SEC	P24 & P25

CR	11 PIN RELAY
CR1	11 PIN RELAY
CSS	REED SWITCH SALT POT
DB	RINSE AID PUMP
DD	DETERGENT PUMP
E	SOLENOID VALVE
ER	SALT SOFTENER SOLENOID VALVE
CRA	COLD RINSE SOLENOID VALVE
F	NOISE FILTER
I	ON/OFF MAINS SWITCH
ISP	REED SWITCH - DOOR
PB	PRESSURE SWITCH BREAK TANK
PV	PRESSURE SWITCH WASH TANK
PL	WASH PUMP
PR	RINSE BOOSTER PUMP
RB	ELEMENT RINSE BOILER
RV	ELEMENT WASH TANK
SS	LAMP SALT LOW
PS	DRAIN PUMP
P RIG	SWITCH REGENERATION SOFTENER
SR	LAMP REGENERATION CYCLE
SC	LAMP WASH CYCLE
SEC	
SMP	MACHINE READY LAMP
R	N/A
R1	LAMP MAINS ON
START	CYCLE START SWITCH
T1	THERMOSTAT WASH TANK
T2	THERMOSTAT RINSE BOILER
TMP	THERMOSTAT MACHINE READY LAMP
TS	THERMOSTAT SAFETY RINSE BOILER
SL	LAMP MAINS ON
CRB	CONTACTOR BOILER
TRB	CONTACTOR BOILER
TRB BIS	CONTACTOR BOILER
TRV	CONTACTOR BOILER
L	MAINS LIVE 230v
N	MAINS NEUTRAL 230v
B	
SB	
ST	

DIFFERENTIAL TIME

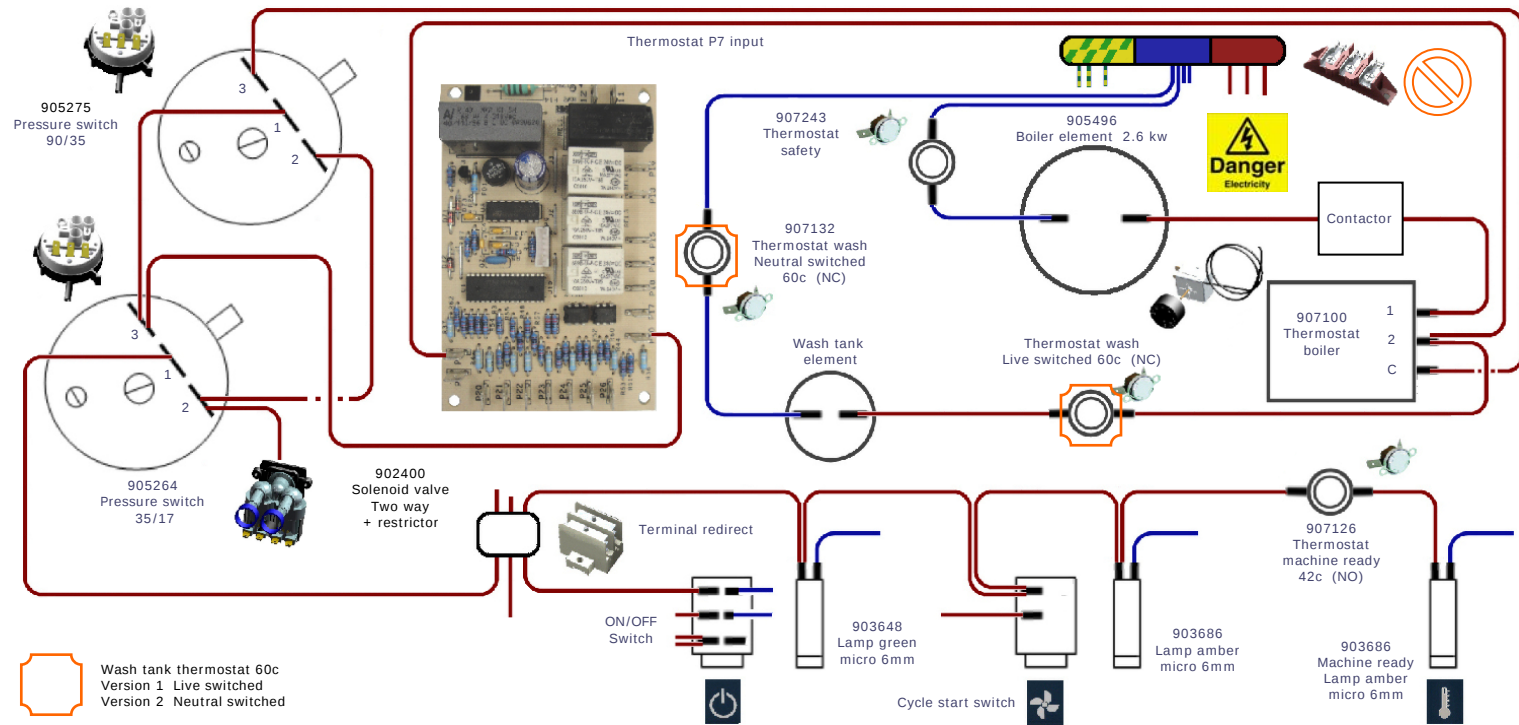
To increase time differential screw in clockwise
To reduce time differential screw out anticlockwise



WATER LEVEL

To increase water level screw in clockwise
To reduce water level screw out anticlockwise

- 1 – Common supply 230v input
2 – N/C normally closed
3 – N/O normally open



PIN No	PIN TYPE	FUNCTION TYPE
P 1	INPUT	DOOR REED SWITCH
P 7	INPUT	THERMOSTOP / BOILER
P 10	INPUT	PRESSURE SWITCH
P 11	POWER(L)	PCB MAINS POWER
P 12	POWER(N)	PCB MAINS POWER
P 13	OUTPUT	DRAIN PUMP
P 14	OUTPUT	SOLENOID FILL / RINSE
P 15	OUTPUT	SOLENOID REGENERATION
P 16	OUTPUT	WASH PUMP
P 17	OUTPUT	LAMP WASH CYCLE
P 18	OUTPUT	LAMP REGENERATION
P 20	INPUT	DEACTIVATE P14 (RBP)
P 21	INPUT	DOOR AUTOMATIC START
P 22	INPUT	DRAIN PUMP START
P 23	INPUT	WASH CYCLE START
P 24	INPUT	CYCLE TIME COMBINATION
P 25	INPUT	CYCLE TIME COMBINATION
P 26	INPUT	REGENERATION START



907169
PCB Control

NEW
VERSION



D0005
PCB Control new version

