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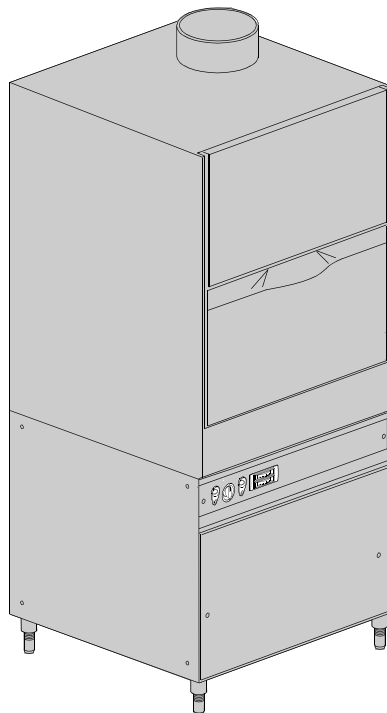
WAREWASHER

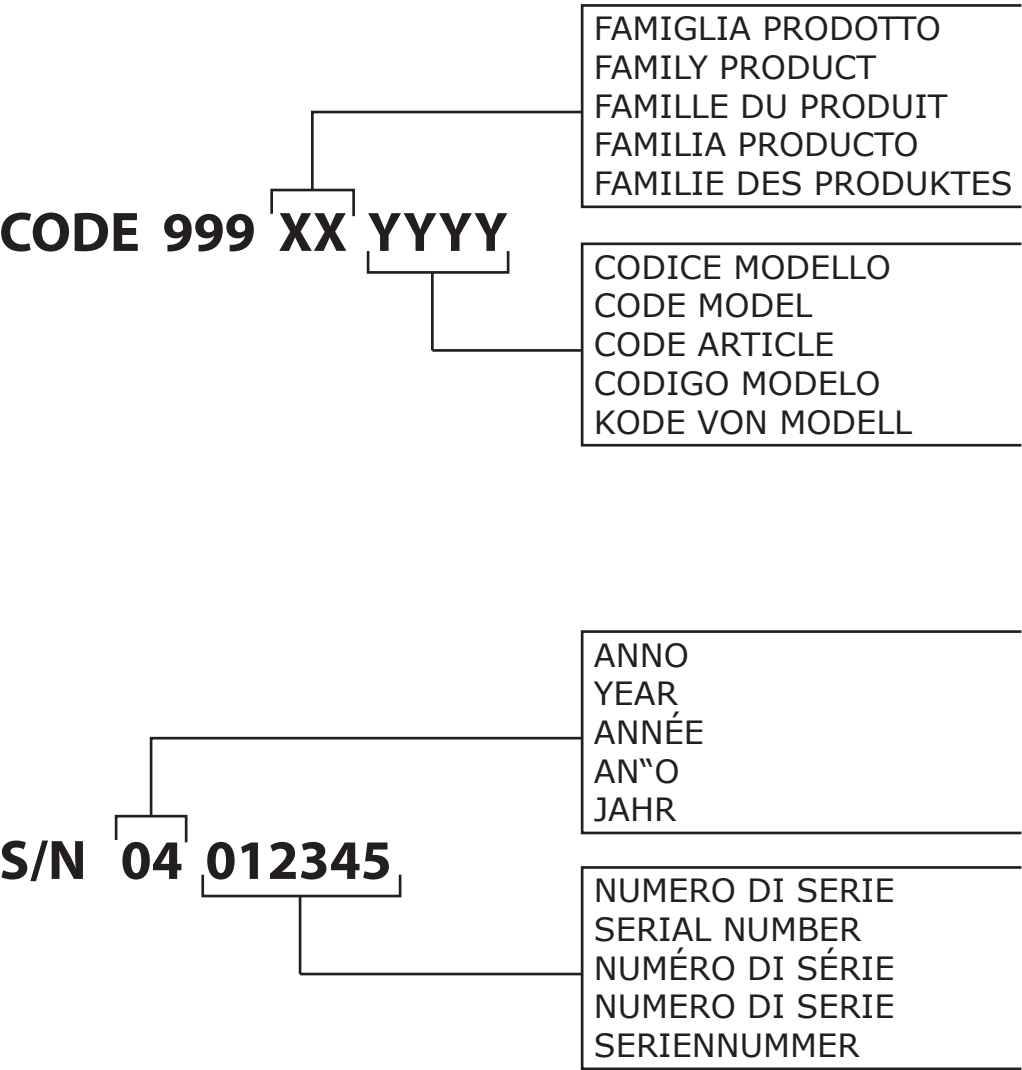
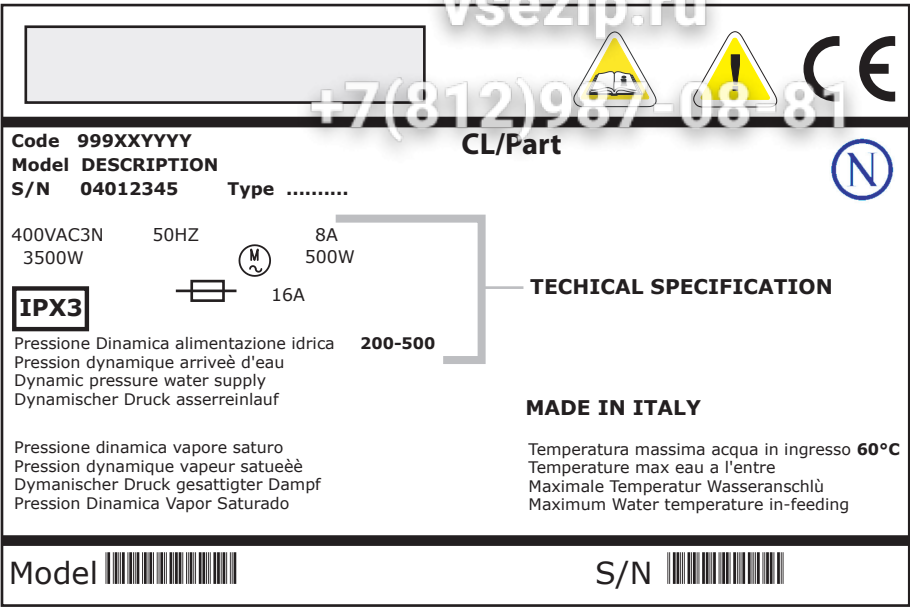
ELECTROMECHANICAL SWITCHES
SIMPLE BODY VERSION
LOWER AND UPPER VERSION

TYPE: 18U

Accessories
BOOSTER PUMP
DVGW
DETERGENT DISPENSER
DRAIN PUMP

Spare Parts Manual





Spare parts

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1.1 Voltage codes

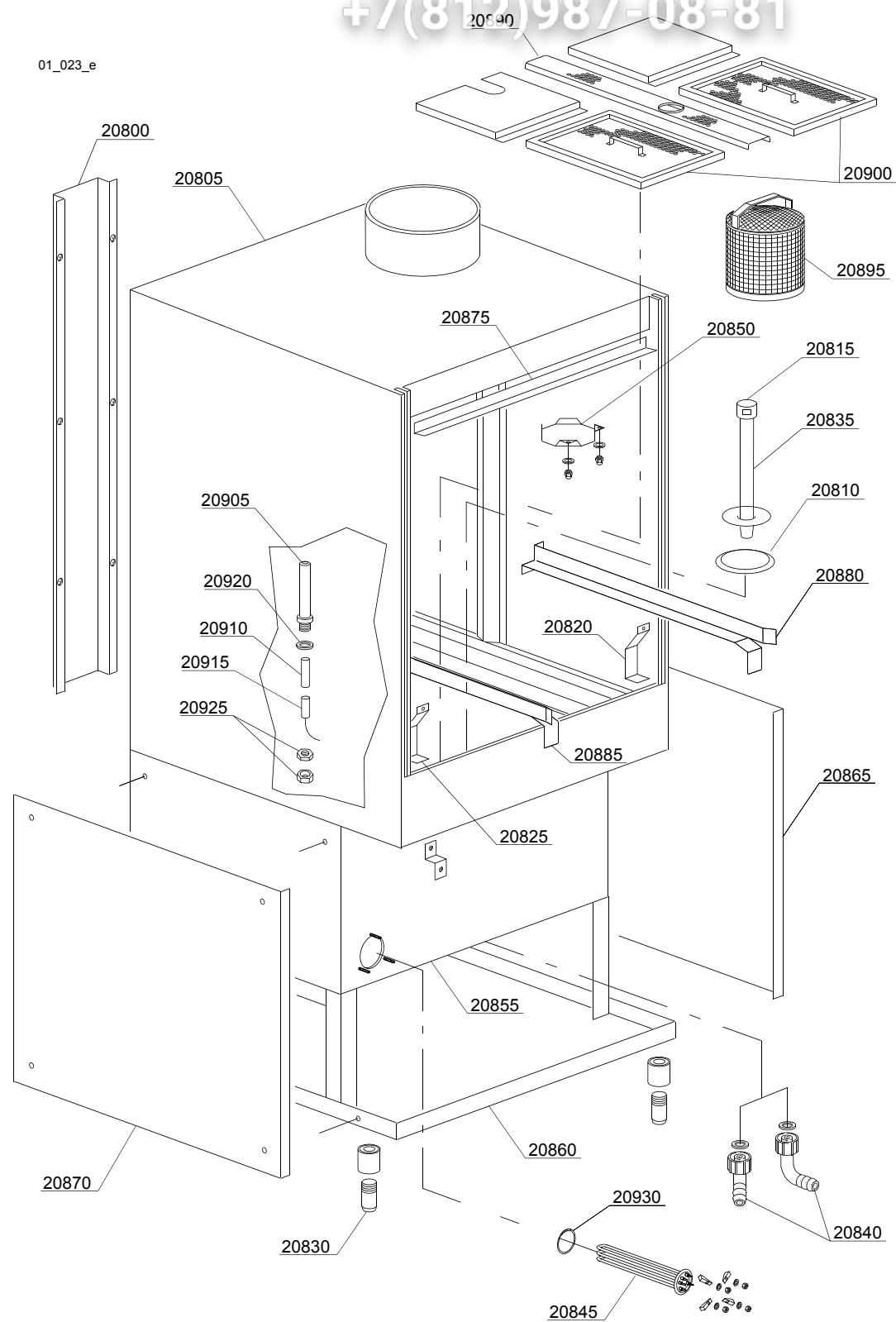
Volt	Voltage code
A	3/N/PE~380-400V 50-60Hz
D	3/PE~200-210V 50-60Hz
F	2/PE~220-240V 50-60Hz
G	3/N/PE~415V 50-60Hz
H	3/PE~220-230V 50-60Hz
K	3/PE~380-400V 50-60Hz
L	3/PE~415V 50-60Hz
M	3/PE~440V 60Hz
P	1/N/PE~220-230V 50-60Hz
R	2/PE~220-240V 50-60Hz
U	1/N/PE~240V 50-60Hz
V	3/PE~240V 50-60Hz
W	1/N/PE~100-110V 50-60Hz

1.2 Product codes

Product code	Full name
Model codes	
em	ELECTROMECHANICAL SWITCHES
mc	SIMPLE BODY VERSION
uw	LOWER AND UPPER VERSION
Type codes	
18U	18U
Accessory codes	
bp	BOOSTER PUMP
dvgw	DVGW
dd	DETERGENT DISPENSER
dp	DRAIN PUMP

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ID	P-code	SN from	SN to	Mod	Acces	Volt	Description
Module:General body parts							
20800	88907		-	mc			Back panel
20805	80901		-	mc			Complete structure
20810	11600002		-	mc			Flange O-ring
20815	11600019		-	mc			Terminal overflow pipe
20820	80936		-	mc			Right splash guard
20825	80937		-	mc			Left splash guard
20830	80116		-	mc			Foot 2" M65
20835	80226		-	mc			Overflow pipe
20840	15613		-	mc			Elbow 1 1/4"
20845	30001010		-	mc		A,H,K,L,P,R,U,V	Heating element 6/6,53KW 230/240V 3
20845	30001011		-			A,H,K,L,P,R,U,V	Heating element 9/9,8KW 230/240V 3
20845	30001011/C		-			M	heating element 9KW 254/440V
20850	80931		-	mc			Chimney splash guard
20855	80900		-	mc			Tank
20860	80904		-	mc			Frame base
20865	80907		-	mc			Right side panel
20870	80908		-	mc			Left side panel
20875	80935		-	mc			Upper chimney
20880	80910		-	mc			Right internal slide
20885	80911		-	mc			Left internal slide
20890	80930		-	mc			Sleeper holder-filter
20895	80720		-	mc			Suction filter
20900	80721		-	mc			Strainer plate
20905	88120		-	mc			Sensor holder
20910	88120/A		-	mc			Reed spacer
20915	2000309		-	mc			Sensor
20920	10200171		-	mc			Gasket 17x25x2 (minimum 10 pieces)
20925	22214		-	mc			Nut

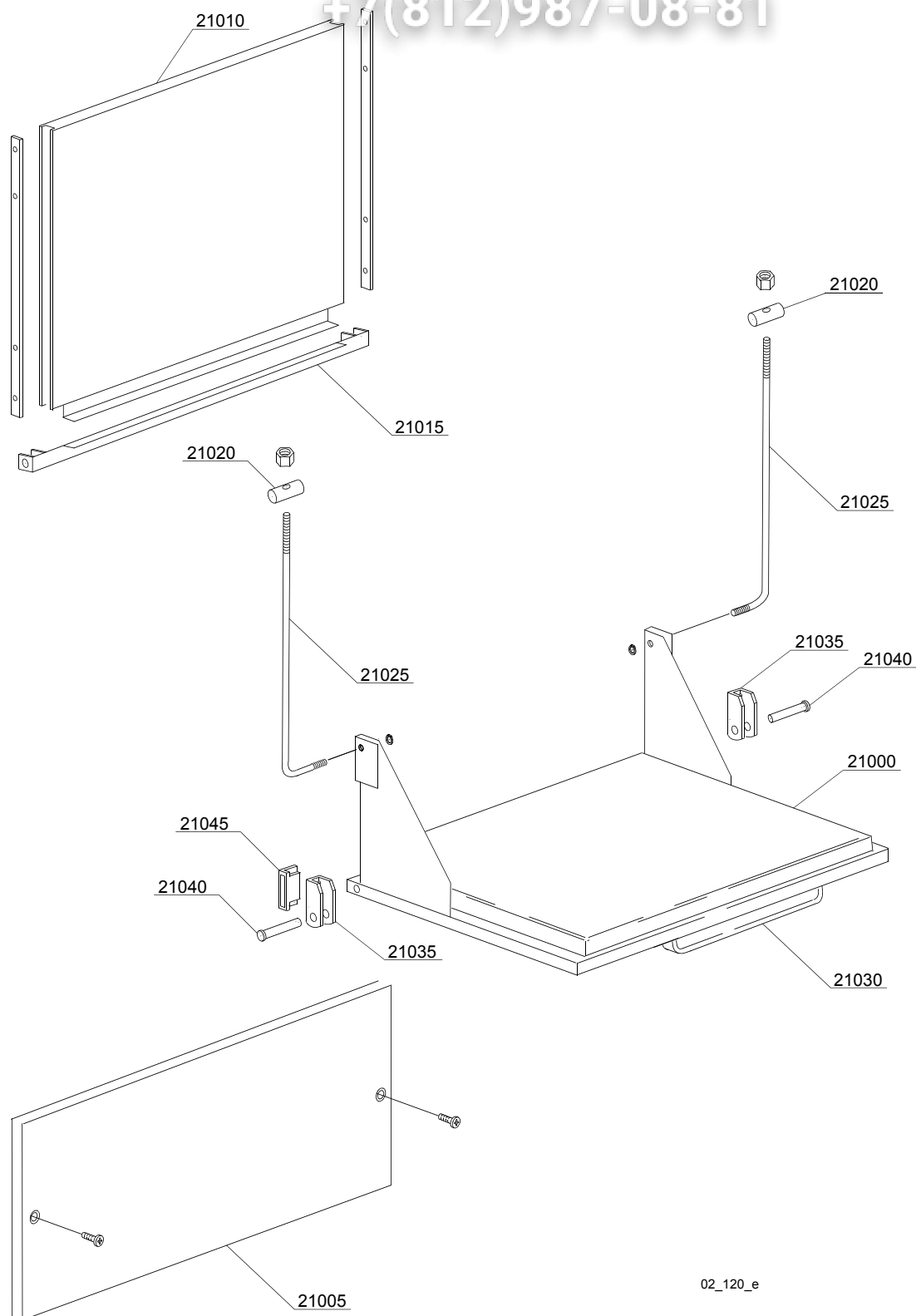
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18U=18U

bp=BOOSTER PUMP, dvgw=DVGW, dd=DETERGENT DISPENCER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz,
H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-
230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V
50-60Hz

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02_120_e

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Lockup system							
21000	80903		-				Lower door
21005	80906		-				Front panel
21010	80902		-				Upper door
21015	80938		-				Levers support
21020	22219		-				Pin
21025	22220		-				Door rod
21030	80750		-				Handle
21035	22206/B		-				Door hinge
21040	22220/A		-				Pin for door
21045	80232		-				Door magnet

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50-60Hz



ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Control panel and switches							
21500	80951		-	em			Control panel
21505	89341		-	em			Start push button
21510	89340		-	em			ON-OFF push button
21515	89300		-	em			Push button support
21520	15826		-	em			Lamp, transparent
21530	15813		-	em			16A unipolar switch
21535	15812		-	em			16A switch
21555	10500011		-	em			Thermometer
21560	89306		-	em			Double thermometer support
21565	89332		-	em			OR O-ring (minimum 10 pieces)
21570	89331		-	em			OR O-ring (minimum 5 pieces)
21575	15826/C		-	em			Red lamp
21580	80411		-	em			5 position selector with knob
21585	89322		-	em			Selector support
21590	89323		-	em			Screw holder
21595	89320		-	em			Selector switch support
21600	10711/C		-	em			Pilot light d.13
21605	15826/A		-	em			Lamp transparent 12-24V

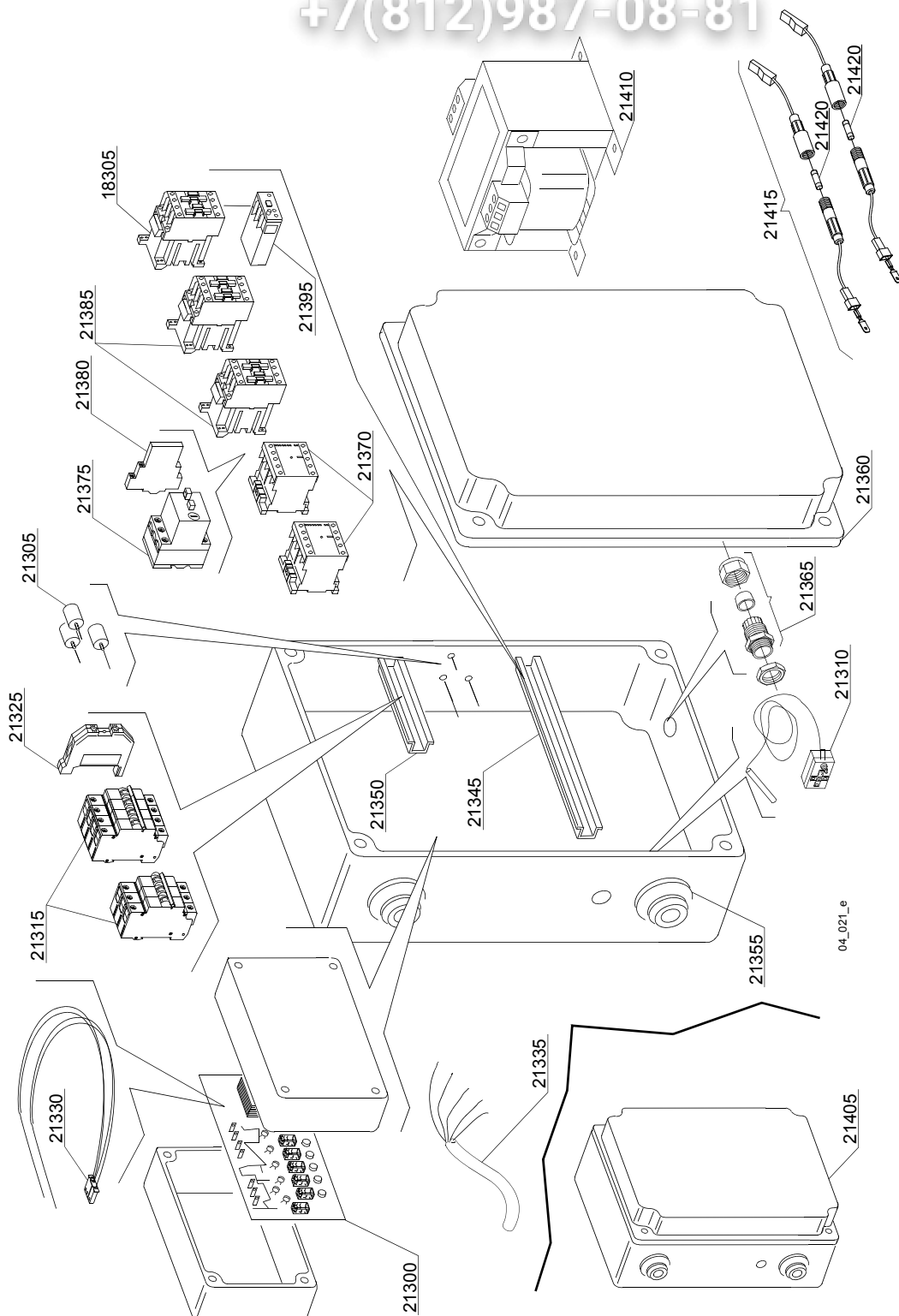
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230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V
50-60Hz

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ID	P-code	SN from	SN to	Mod	Acces.	Volt	Description
Module:Electric control components							
21300	50556		-			A,H,K,P	Timer
21305	15149		-			A,H,K,P	Filter F3
21305	15187		-			M	Low noise filter F3 440Vac3
21310	2000430		-				Thermostat
21315	2000409		-				Automatic fuse C40
21315	2000411		-				Automatic fuse C32
21325	10300401		-				Clamp
21330	50563		-				Sensor
21335	80200		-			A,G	Power supply cable 5x4x3400
21335	75359		-			D,F,H,K,L,M, R,V	4x6 flame-retardant cable
21345	80408		-				L=345mm slide
21350	80409		-				L=140mm slide
21355	80417		-				lead through rubber
21360	80407		-				Plastic box
21365	80414		-				Cable-press
21370	15086		-				Contacteur 230 V
21375	2000390		-				Motorprotector 1 - 1.6A
21380	3006080		-				Auxiliary contact LMS25
21385	10300050		-			A,F,H,K,P,R	Contacteur 25A/12A 4NA 230V
21385	10300052		-			A,F,H,K,P,R	36A/20A contacteur - 230V 50/60HZ
21385	10300054		-			A,F,H,K,P,R	Contacteur 25A/16A 4NA 230V
21395	2907080		-			A,F,H,K,P,R	Relay 6-10A
21395	80150		-			A,F,H,K,P,R	9-15A temperature relay
21405	80101		-			A	400Vac 3N complet electric box
21405	80102		-			K	400Vac 3 complet electric box
21405	80103		-			H,V	230Vac complet electric box
21410	15384		-				500VA 0-230-400-415-440/230V tranformer
21410	15381		-				160VA 0-230-400-415-440/230V tranformer

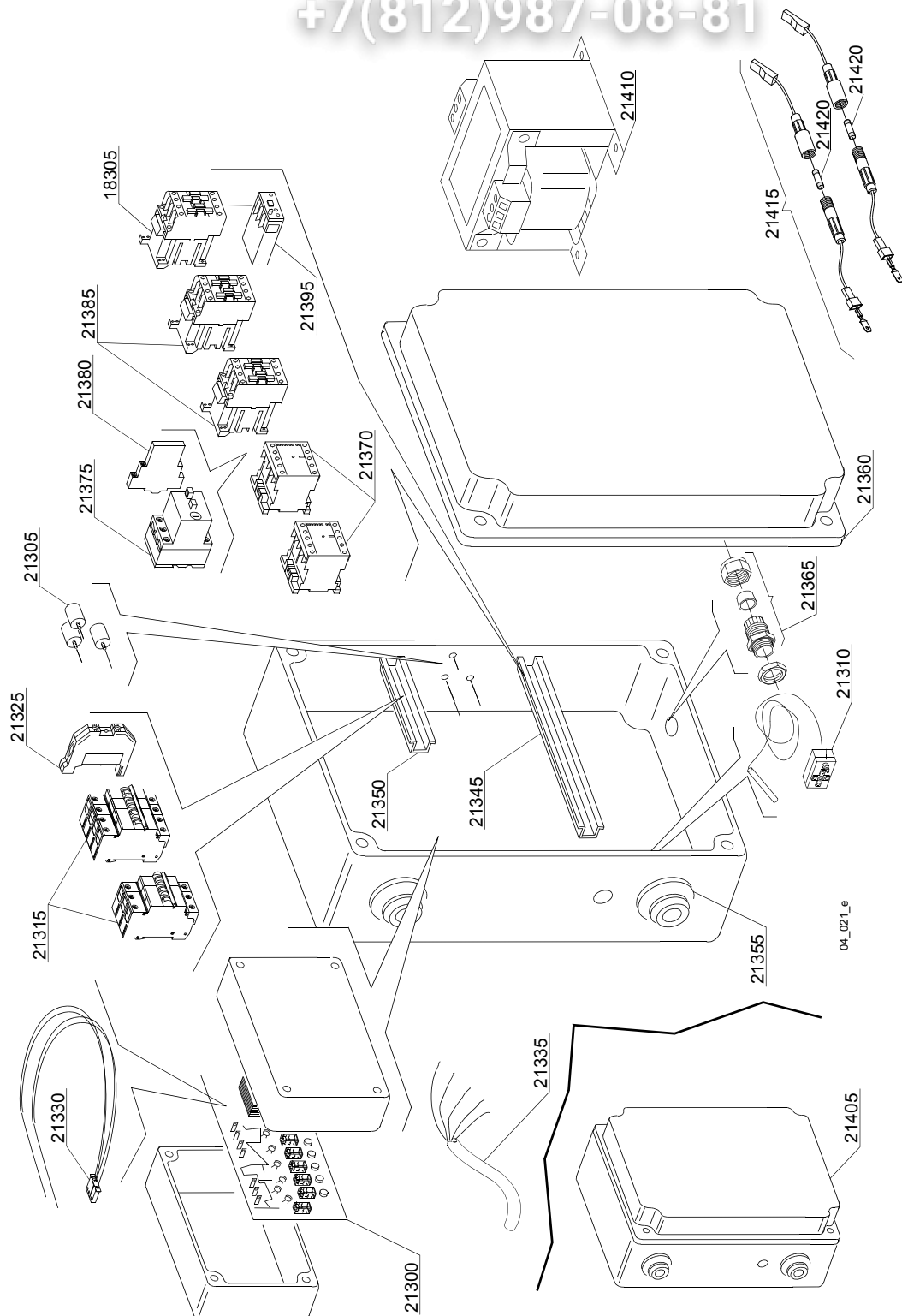
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50-60Hz

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ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Electric control components							
21415	15147		-				5x20 fuse holder
21420	15161		-				5x20 1,6A fuse

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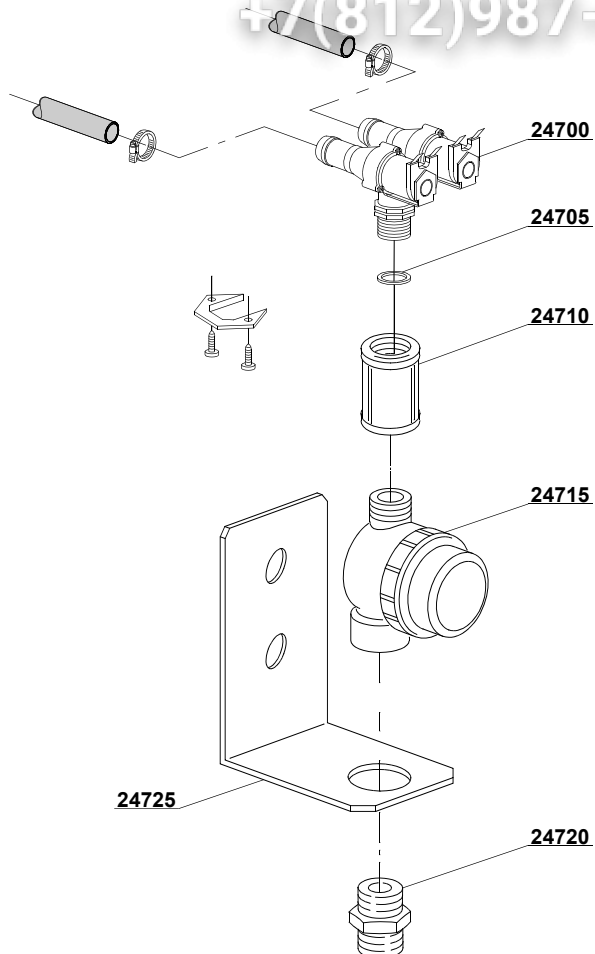
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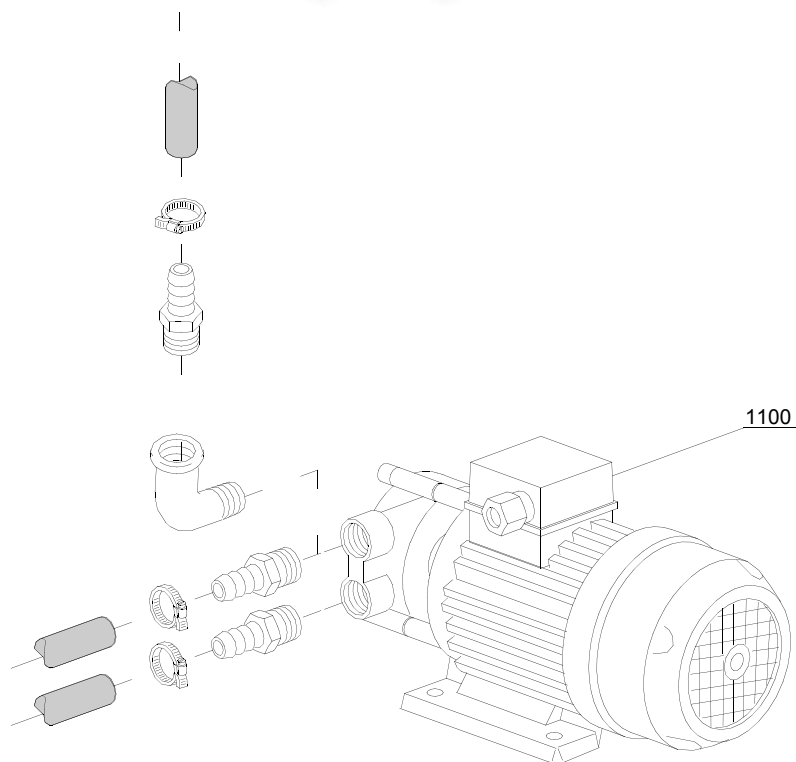
05_006_e

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Solenoid valve group							
24700	30001001		-				Solenoid valve
24705	N.C.		-				Pression reducing valve
24710	80275		-				Pipe coupling
24715	2000121		-				Filter
24720	12025		-				Coupling
24725	22236		-				Support

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18U=18U

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A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz,
H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-
230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V
50-60Hz



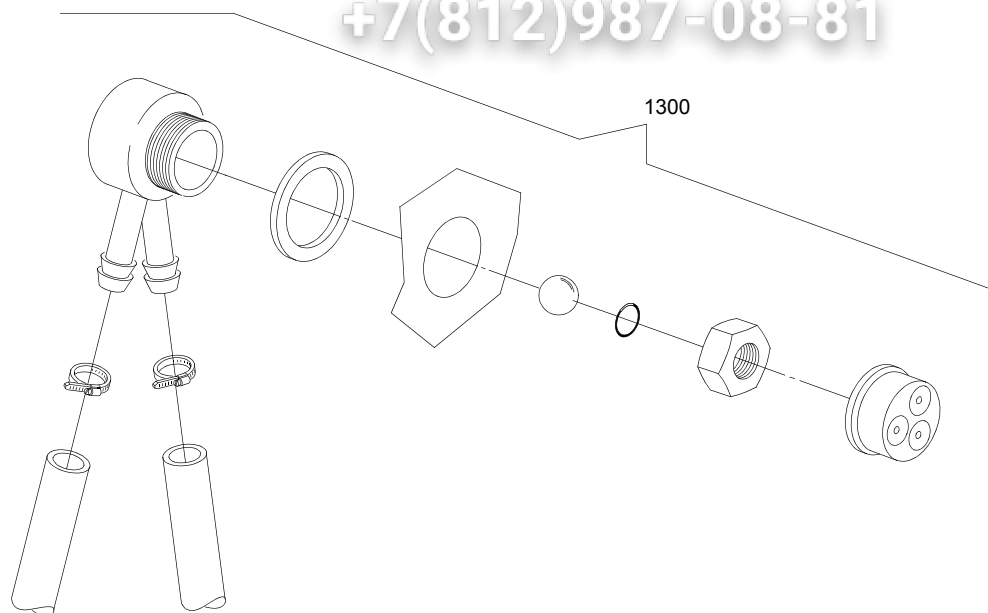
ID	P-code	SN from	SN to	Mod.	Acces	Volt	Description
Module:Booster pump							
1100	15100		-		bp	A,F,G ,H,K, L,P,R, U,V	Booster pump 0,5HP/0,375kW 50Hz 220-240V
1100	15100/A		-		bp	A,F,G ,H,K, L,P,R, U,V	Booster pump - 0,5HP/ 0,37kW 60Hz

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A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz



08_005_e

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:DVGW							
1300	999900006		-		dvgw		DVGW assembly

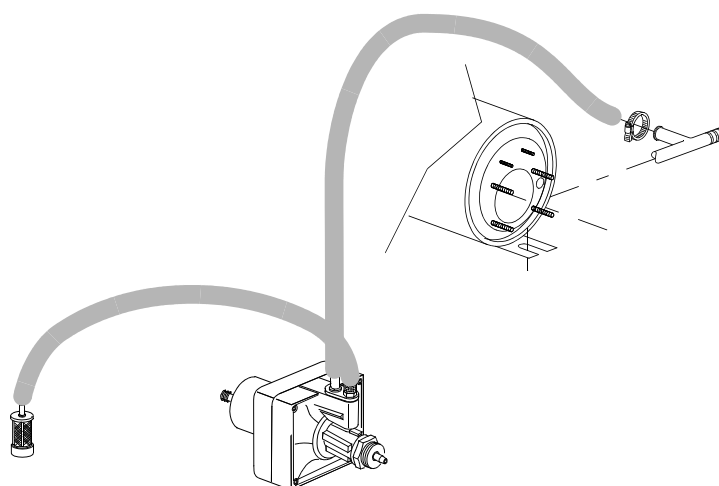
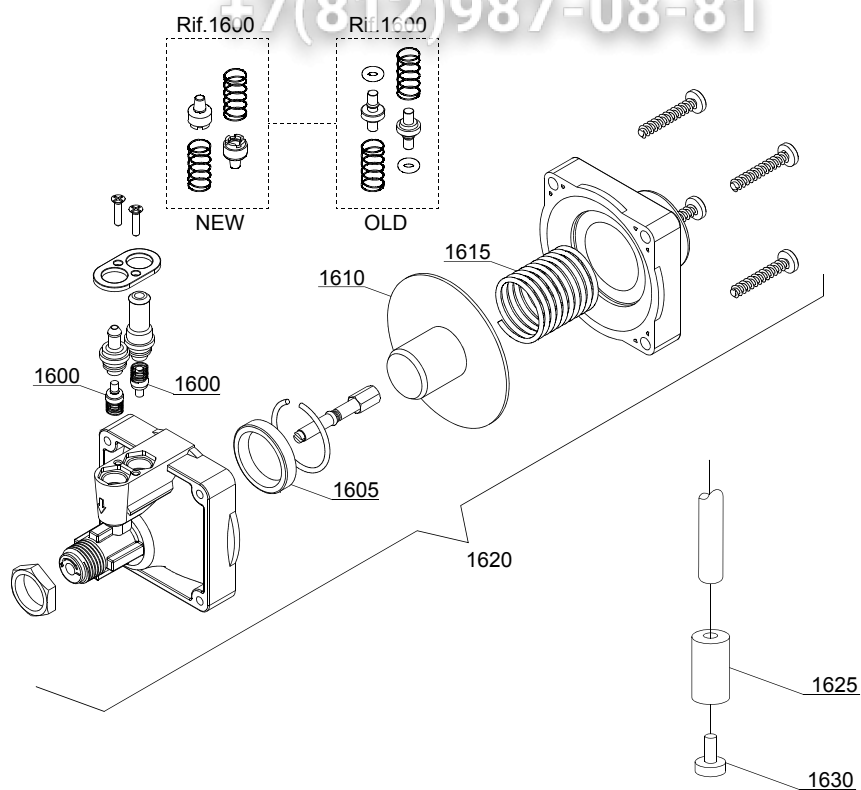
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A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz,
H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-
230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V
50-60Hz

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10_003_e

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Rinse aid dispenser group							
1600	10805		-				Tecnopro non return valve
1605	10806		-				Ø22 O-ring
1610	10807		-				Membrane
1615	10808		-				Spring
1620	10599999		-				Rinse aid pump
1625	12525		-				Counter-weight
1630	15058		-				Suction filter (minimum 3 pieces)

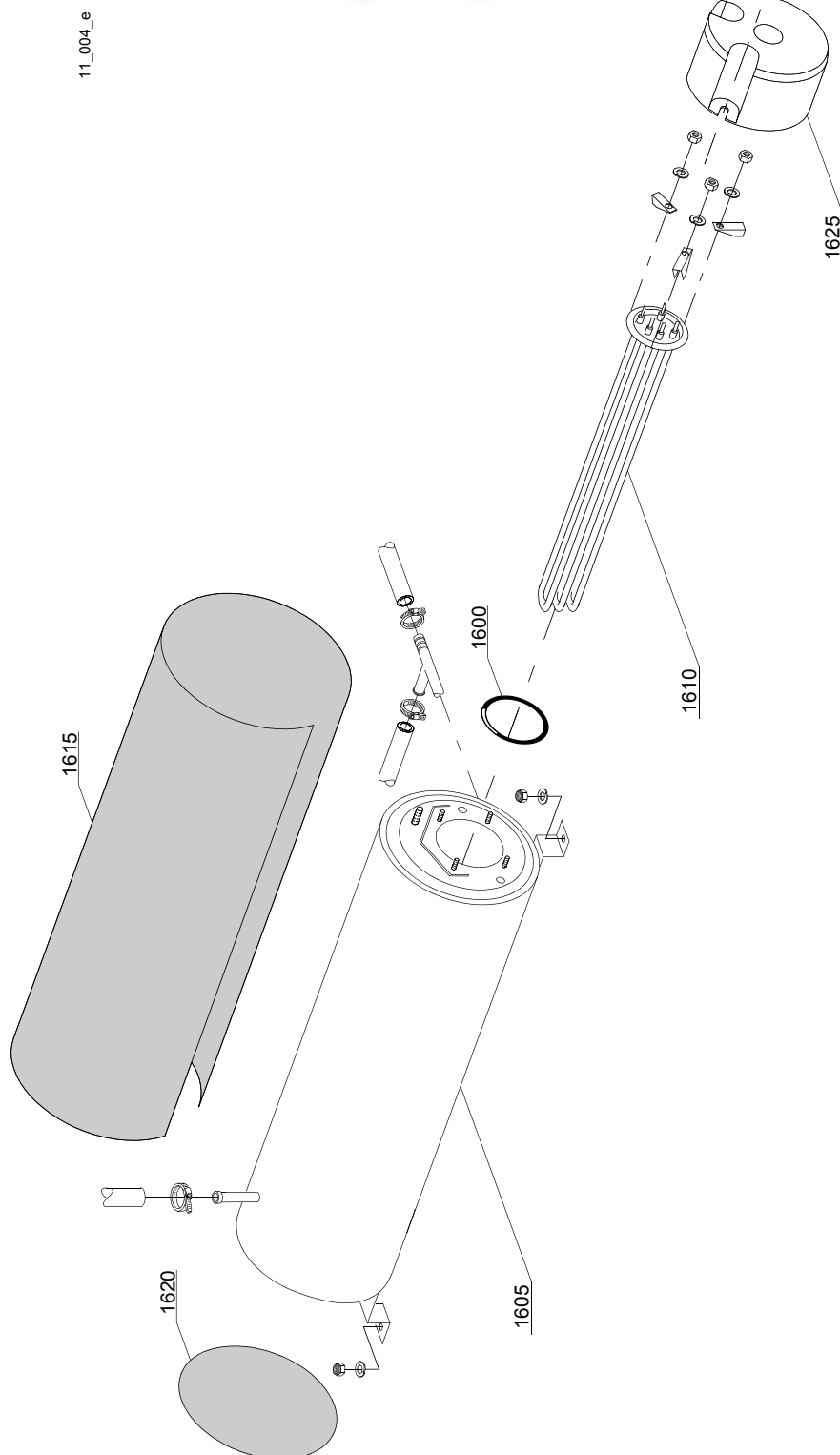
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A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz,
H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-
230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V
50-60Hz

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ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Boiler group							
1600	13015		-				Gasket OR 6225 (minimum 5 pieces)
1605	80905		-				Boiler
1610	30001011		-			A,F,G,H,K,L,P,R,U,V	Heating element 9/9,8KW 230/240V 3
1610	30001011/A		-			A,F,G,H,K,L,P,R,U,V	heating element12/13,07KW 230/240V 3
1610	30001011/C		-			M	heating element 9KW 254/440V
1615	30002030		-				Insulation boiler
1620	75205		-				Ø160 end piece (minimum 2 pieces)
1625	75311		-				Casing

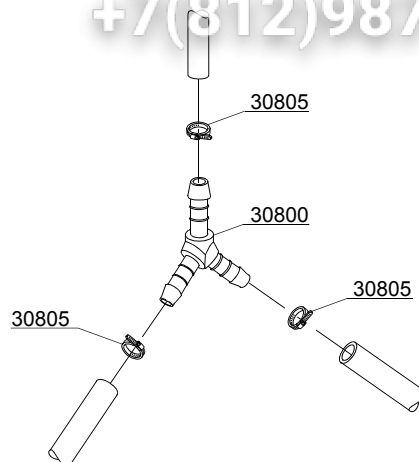
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12_003ae

ID	P-code	SN from	SN to	Mod.	Acces	Volt	Description
Module:3 ways connection							
30800	540091		-				Ø12 mm plastic 3 ways connection
30805	11807		-				Clamp 12-22 (minimum 3 pieces)

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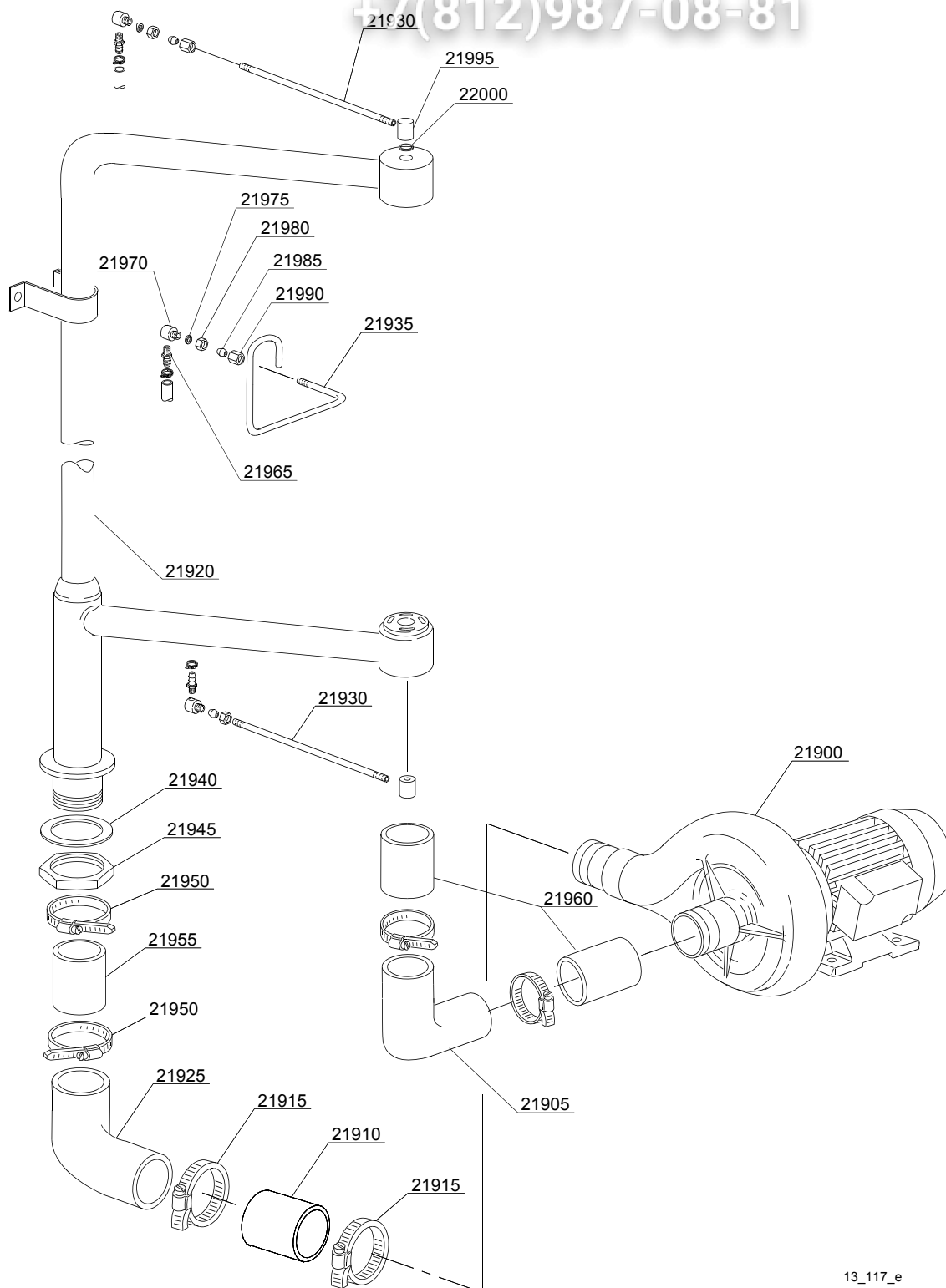
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13_117_e

ID	P-code	SN from	SN to	Mod.	Acces	Volt	Description
Module: Wash pump							
21900	80913		-	uw		A,H	Pump 4Hp/3kW
21900	80914		-	uw		G,L,U,V	wash pump 4Hp/3kW 240/415V 50Hz
21900	80916		-	uw		A,F,H,K,P	wash pump - 4Hp/3kW 60Hz
21905	80251		-	uw			Suction elbow
21910	80501		-	uw			Coupling pipe 94
21915	11837		-	uw			Clamp 80-100
21920	80211		-	uw			Wash ramp
21925	80252		-	uw			Elbow
21930	80210		-	uw			Rinse collector
21935	10200361		-	uw			Filling pipe
21940	80208		-	uw			95x75x3 O-ring (minimum 2 pieces)
21945	80213/A		-	uw			Ramp fixing nut
21950	2902491		-	uw			60-80 clamp (minimum 2 pieces)
21955	80500		-	uw			Coupling pipe 63,5x90
21960	80502		-	uw			Coupling pipe 75x130mm
21965	12005		-	uw			Rubber holder ¼
21970	80231		-	uw			Pipe fitting
21975	10200171		-	uw			Gasket 17x25x2 (minimum 10 pieces)
21980	10200101		-	uw			Nut
21985	10200182		-	uw			Cone (minimum 3 pieces)
21990	10600016		-	uw			Nut
21995	10600202		-	uw			Coupling
22000	13009		-	uw			OR 2050 NBR O-ring (minimum 40 pieces)

em=ELECTROMECHANICAL SWITCHES, mc=SIMPLE BODY VERSION, uw=LOWER AND UPPER VERSION

18U=18U

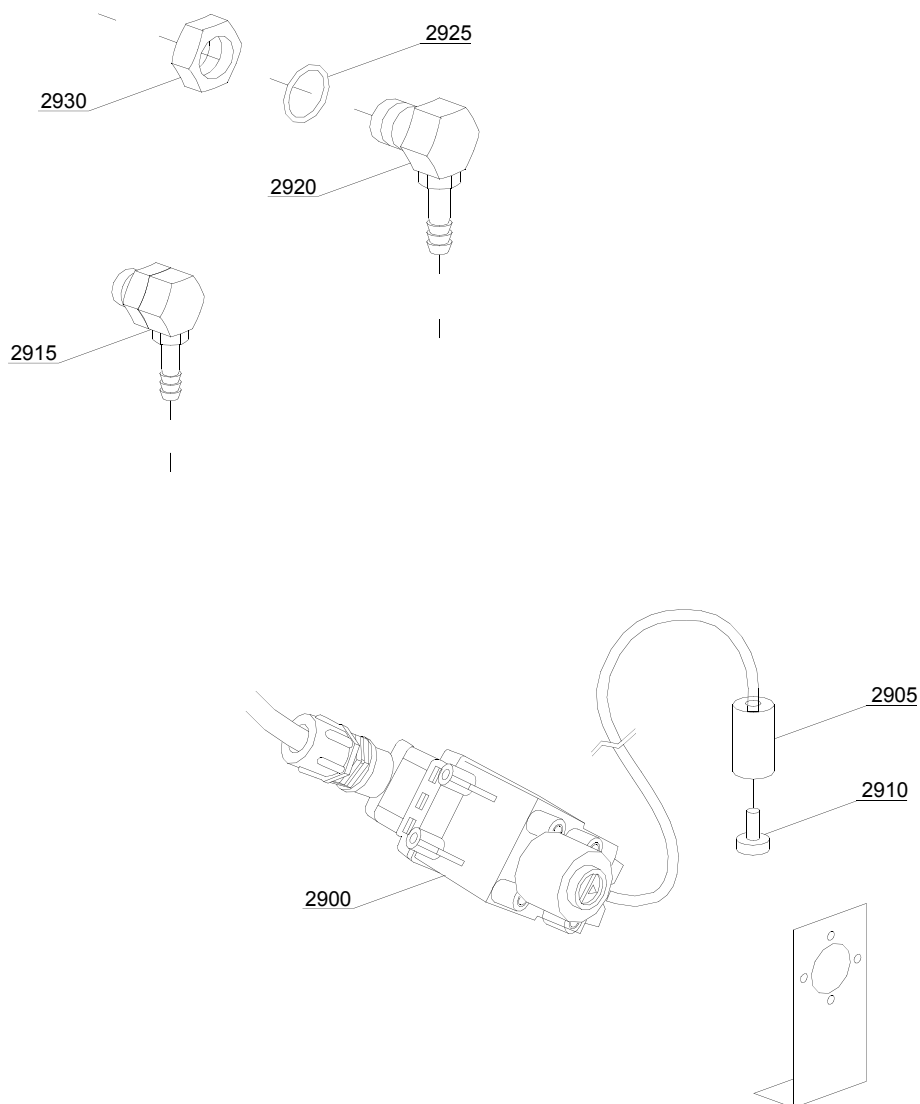
bp=BOOSTER PUMP, dvgw=DVGW, dd=DETERGENT DISPENCER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz

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14_002_e



ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Dosing detergent group							
2900	15108/L		-		dd		Lang detergent pump
2905	12525		-		dd		Counter-weight
2910	15058		-		dd		Suction filter (minimum 3 pieces)
2915	15123		-		dd		Complet plastic injector
2920	15148		-		dd		Steel injector
2925	15159		-		dd		OR O-ring (minimum 2 pieces)
2930	10200205		-		dd		Nut m12x1 (minimum 2 pieces)

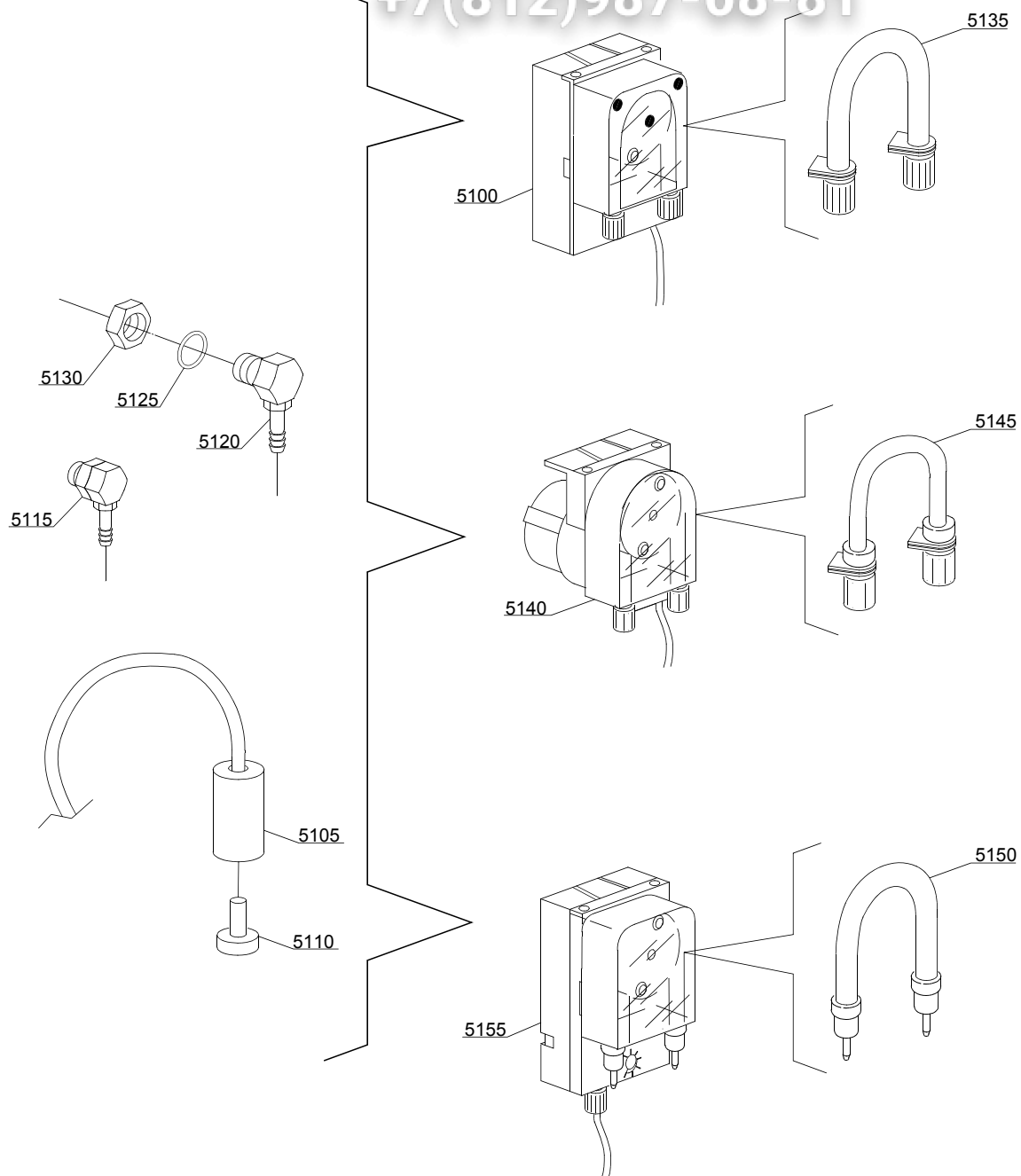
em=ELECTROMECHANICAL SWITCHES, mc=SIMPLE BODY VERSION, uw=LOWER AND UPPER VERSION
18U=18U

bp=BOOSTER PUMP, dvgw=DVGW, dd=DETERGENT DISPENCER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz,
H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-
230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V
50-60Hz

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14_004_e

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Dosing detergent group							
5100	15985		-		dd		Seko detergent pump
5105	12525		-		dd		Counter-weight
5110	15058		-		dd		Suction filter (minimum 3 pieces)
5115	15123		-		dd		Complet plastic injector
5120	15148		-		dd		Steel injector
5125	15159		-		dd		OR O-ring (minimum 2 pieces)
5130	10200205		-		dd		Nut m12x1 (minimum 2 pieces)
5135	15185		-		dd		Ø 10 Seko thermoplastic pipe
5140	15985		-		dd		Germac detergent pump
5145	15108/E		-		dd		Ø 8 Germac thermoplastic pipe
5150	15985/A		-		dd		Ø 10 PLAS CONT thermoplastic pipe
5155	15985		-		dd		PLAS CONT detergent pump

em=ELECTROMECHANICAL SWITCHES, mc=SIMPLE BODY VERSION, uw=LOWER AND UPPER VERSION
18U=18U

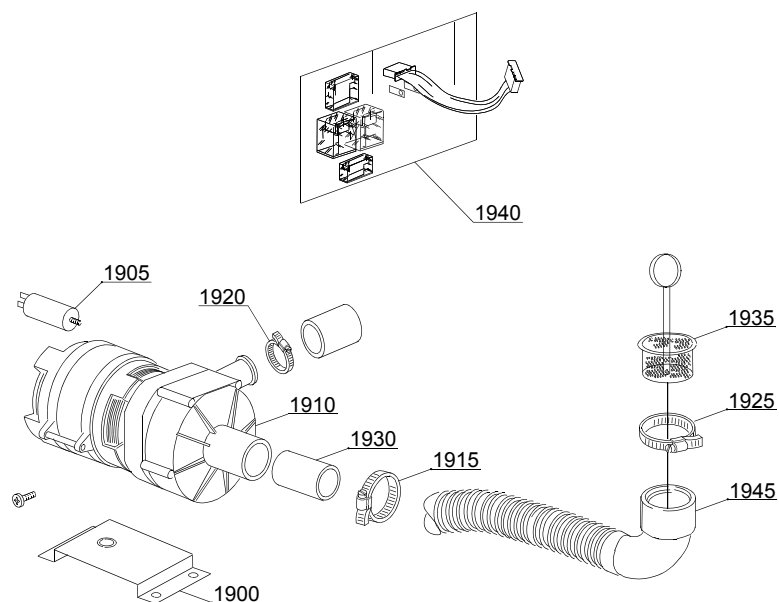
bp=BOOSTER PUMP, dvgw=DVGW, dd=DETERGENT DISPENCER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz,
H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-
230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V
50-60Hz

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15_003_e



ID	P-code	SN from	SN to	Mod.	Acces	Volt	Description
Module: Drain pump group							
1900	440122		-		dp		Pump support
1905	10702		-		dp		5 Uf Condenser
1910	10501/A		-		dp	A,F,G,H,K,L,P, R,U,V	Drain pump 0,10Hp/190W 230V 50Hz
1915	11806		-		dp		25/40 clamp (minimum 2 pieces)
1920	11836		-		dp		20/32 clamp (minimum 2 pieces)
1925	11809		-		dp		30/45 clamp (minimum 2 pieces)
1930	18044		-		dp		Ø28 top wash pipe
1935	10200039		-		dp		Flow drain filter
1940	50567		-		dp		Relay card
1945	11600050		-		dp		Suction pipe

em=ELECTROMECHANICAL SWITCHES, mc=SIMPLE BODY VERSION, uw=LOWER AND UPPER VERSION
18U=18U

bp=BOOSTER PUMP, dvgw=DVGW, dd=DETERGENT DISPENCER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz,
H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-
230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V
50-60Hz

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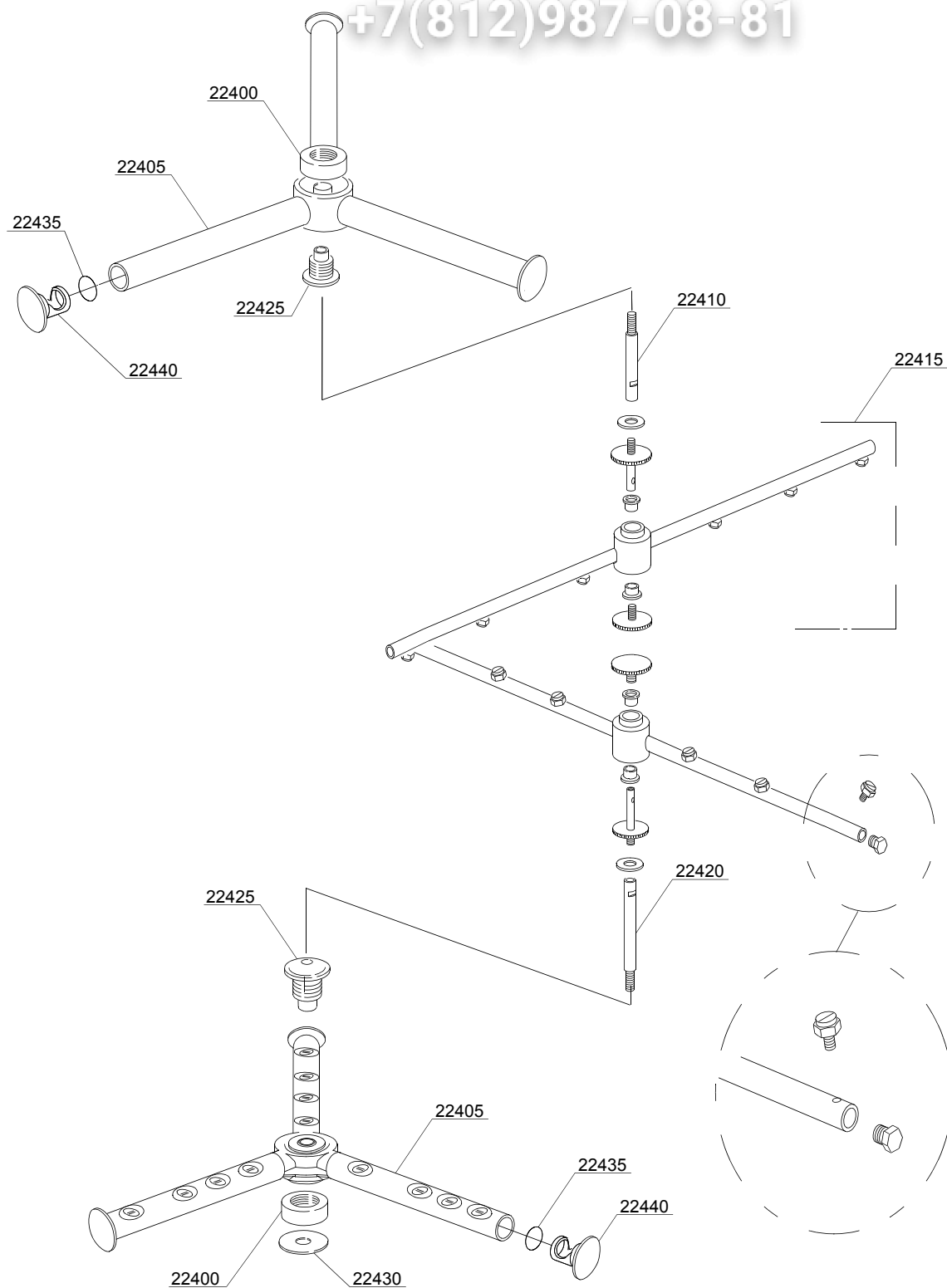


ID	P-code	SN from	SN to	Mod.	Acces	Volt	Description
Module: Pressure switch group with air trap							
2100	80225		-	mc			Pressure switch
2105	135911		-				Air trap
2110	13301		-				Gasket 14x8x1,5 (minimum 10 pieces)
2115	11702		-				Nut M8 (minimum 10 pieces)

em=ELECTROMECHANICAL SWITCHES, mc=SIMPLE BODY VERSION, uw=LOWER AND UPPER VERSION
18U=18U

bp=BOOSTER PUMP, dvgw=DVGW, dd=DETERGENT DISPENCER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz,
H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-
230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V
50-60Hz



17_115_e

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
22400	80222		-	uw			Nut for hub
22405	80218		-	uw			Wash group
22410	80321		-	uw			Top shaft
22415	90003		-	uw			Rinse group
22420	80320		-	uw			Lower shaft
22425	80221		-	uw			Holder
22430	11600033		-	uw			Flow reduction ring
22435	13023		-	uw			O-ring
22440	3003029		-	uw			Plug

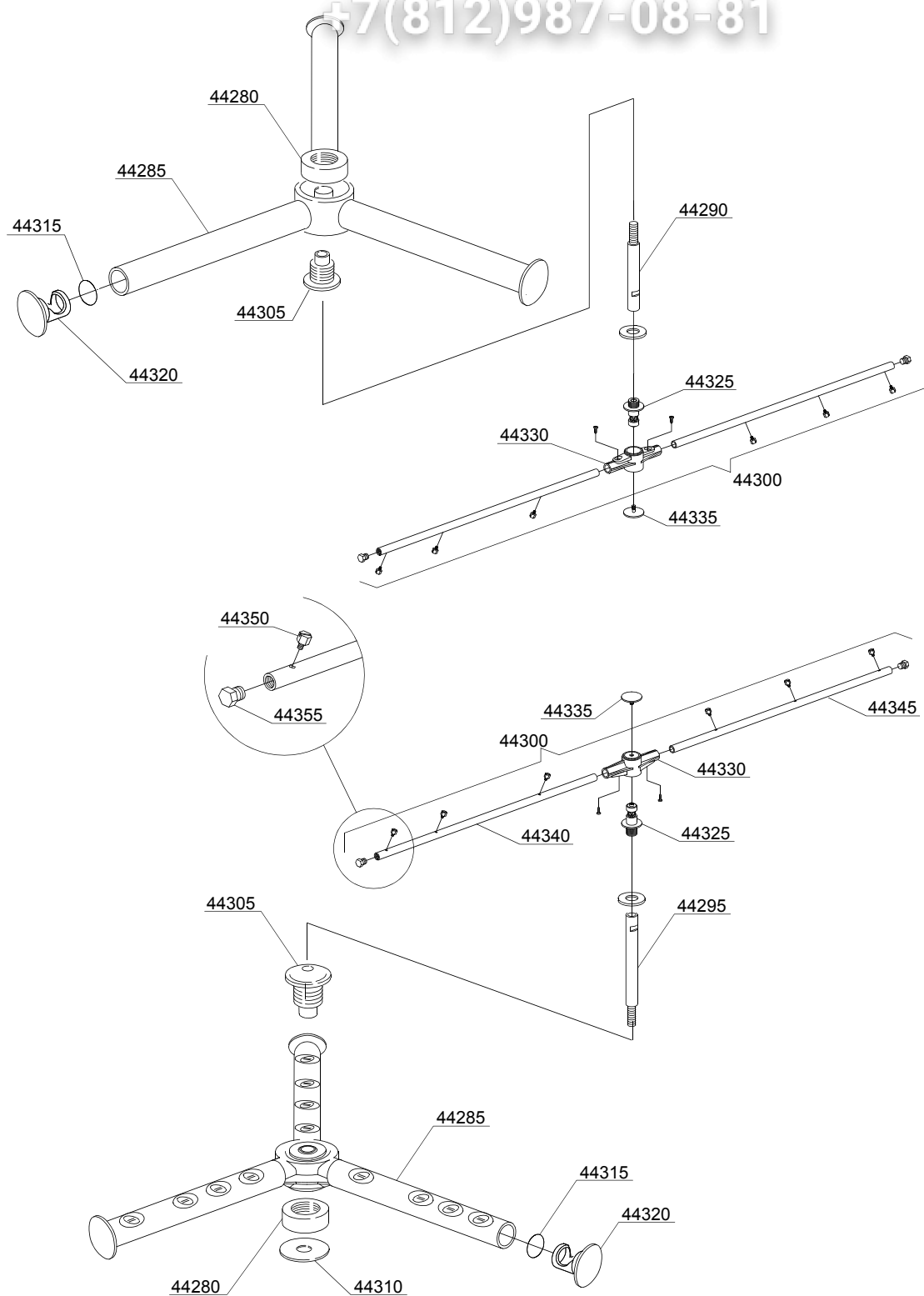
em=ELECTROMECHANICAL SWITCHES, mc=SIMPLE BODY VERSION, uw=LOWER AND UPPER VERSION
18U=18U

bp=BOOSTER PUMP, dvgw=DVGW, dd=DETERGENT DISPENCER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz,
H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-
230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V
50-60Hz

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17_130_e

ID	P-code	SN from	SN to	Mod.	Acces	Volt	Description
Module: Turret group with rotating arms							
44280	80222		-	uw			Nut for hub
44285	80218		-	uw			Wash group
44290	80321		-	uw			Top shaft
44295	80320		-	uw			Lower shaft
44300	90003		-	uw			Rinse group
44305	80221		-	uw			Holder
44310	11600033		-	uw			Flow reduction ring
44315	13023		-	uw			OR O-ring 131 (4093) NBR (minimum 10 pieces)
44320	3003029		-	uw			Plug
44325	10651		-	uw			Rinse axle
44330	10650		-	uw			Rinse arm
44335	10652		-	uw			Rinse arm screw
44340	10660		-	uw			Left rinse arm - stainless steel nozzle
44345	10659		-	uw			Right rinse arm - stainless steel nozzle
44350	560018		-	uw			Stanless steel rinse nozle
44355	560017		-	uw			Rinse arm plug

em=ELECTROMECHANICAL SWITCHES, mc=SIMPLE BODY VERSION, uw=LOWER AND UPPER VERSION
18U=18U

bp=BOOSTER PUMP, dvgw=DVGW, dd=DETERGENT DISPENCER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz,
H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-
230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V
50-60Hz