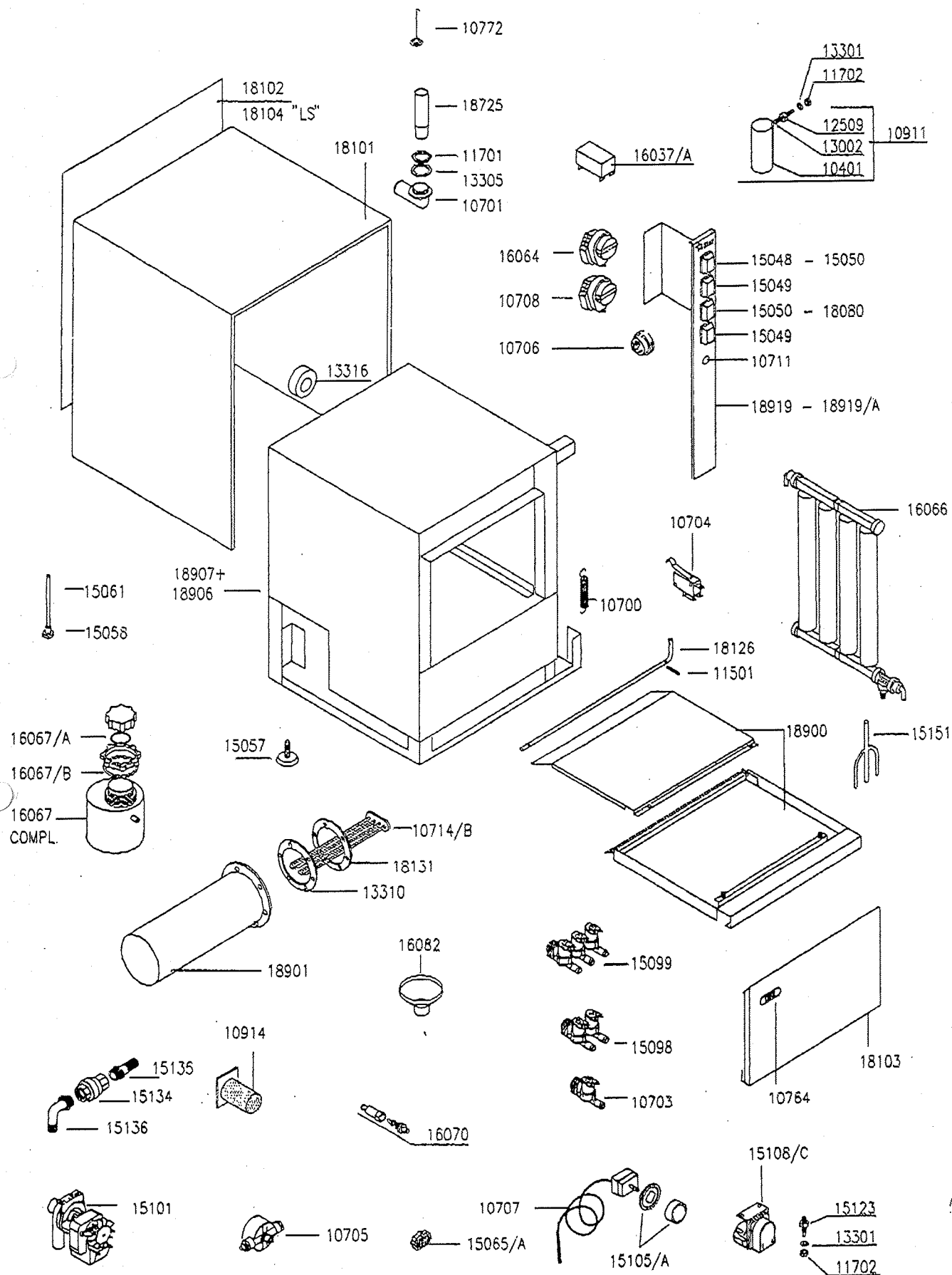


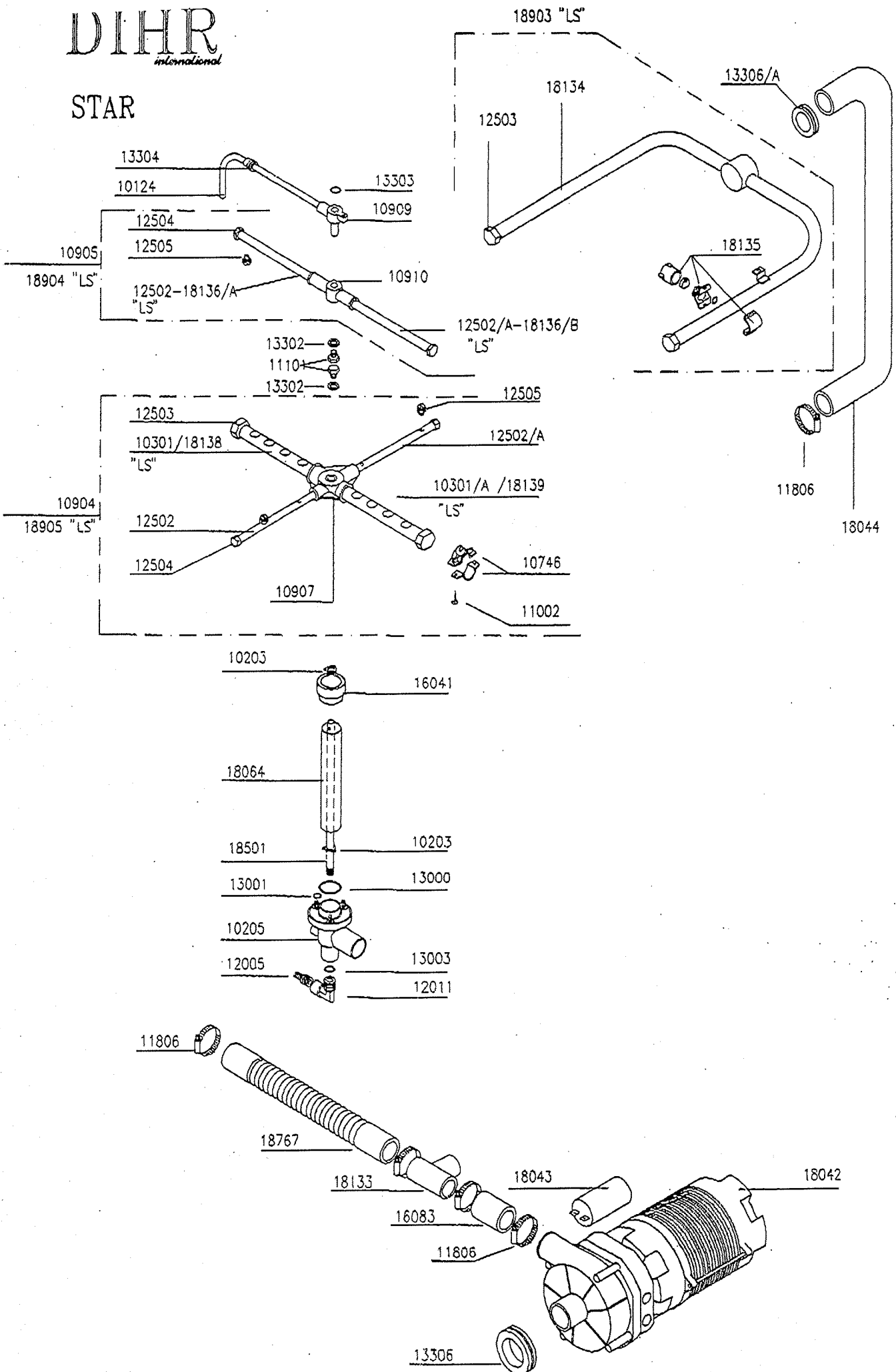
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STAR



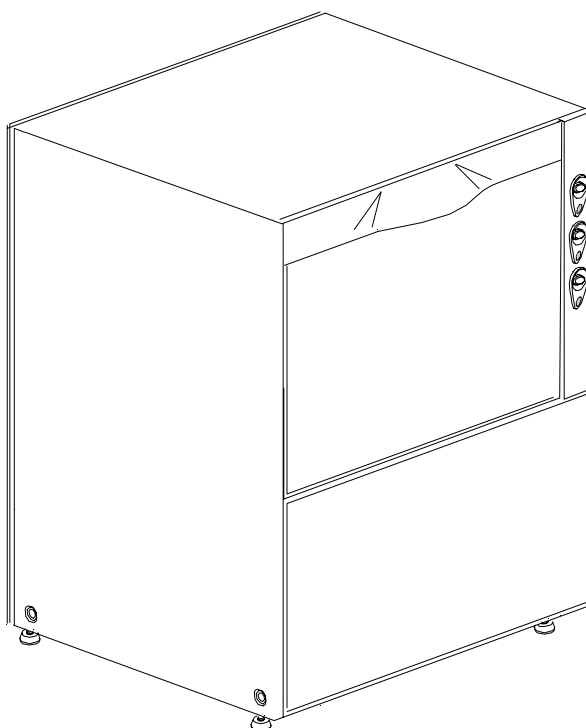
DISHWASHER

ELECTROMECHANICAL SWITCHES
LOWER WASHING
LOWER AND UPPER WASHING

TYPE: 4U

Accessories
COLD RINSE
WATER SOFTNER
DETERGENT DISPENSER

Spare parts manual



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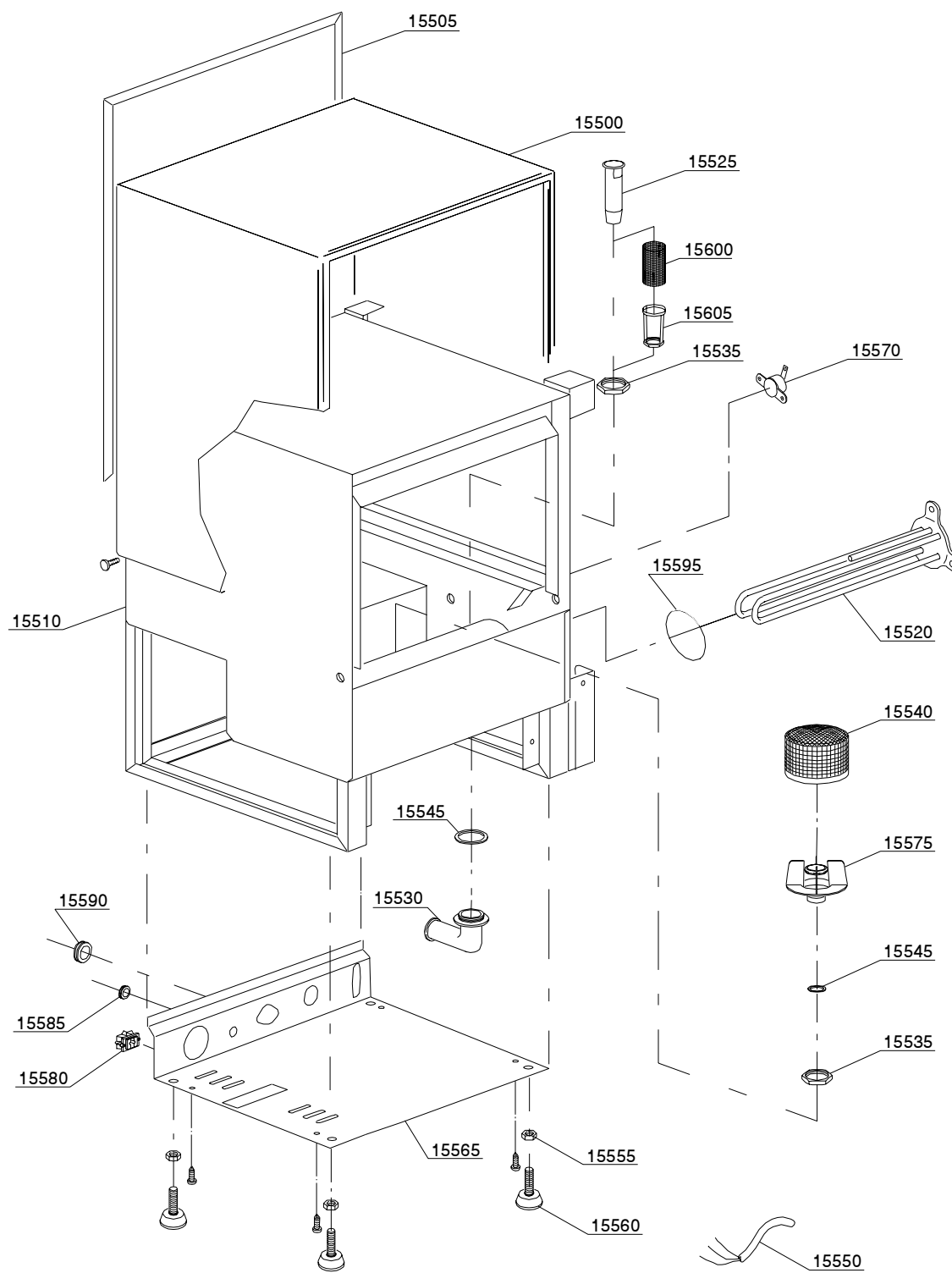
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1.1 Voltage codes

Voltage code	Voltage
A	3/N/PE~400/230V 50Hz
B	~250V 16A 50Hz
C	3/N/PE~380/220V 50Hz
D	3/PE~200V 50-60Hz
F	2/PE 220-240V 50Hz
G	3/N/PE~415/240V 50Hz
H	3/PE~230V 50Hz
I	3/PE~220V 60Hz
J	3/PE~380 50Hz
K	3/PE~400V 50Hz
L	3/PE~415V 50Hz
M	3/PE~440V 60Hz
N	3/PE~460V 60Hz
O	3/PE~480V 60Hz
P	1/N/PE~220-240V 50Hz
R	2/PE~220-230V 60Hz
S	3/N/PE~400/230V 50Hz
T	3/PE~230V 60Hz

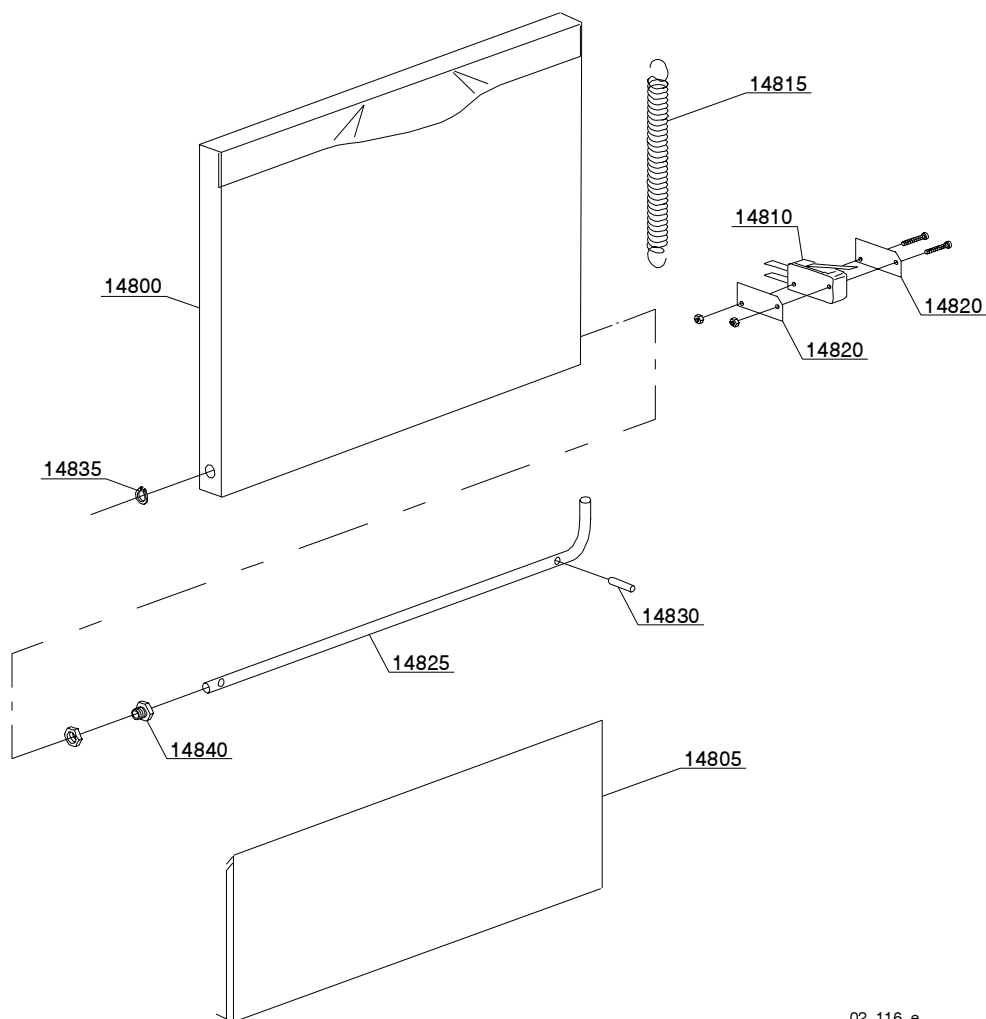
1.2 Product codes

Product code	Full name
Model codes	
em	ELECTROMECHANICAL SWITCHES
ls	LOWER AND UPPER WASHING
Type codes	
4U	4U
Accessory codes	
fs	COLD RINSE
d	WATER SOFTNER
dde	DETERGENT DISPENSER

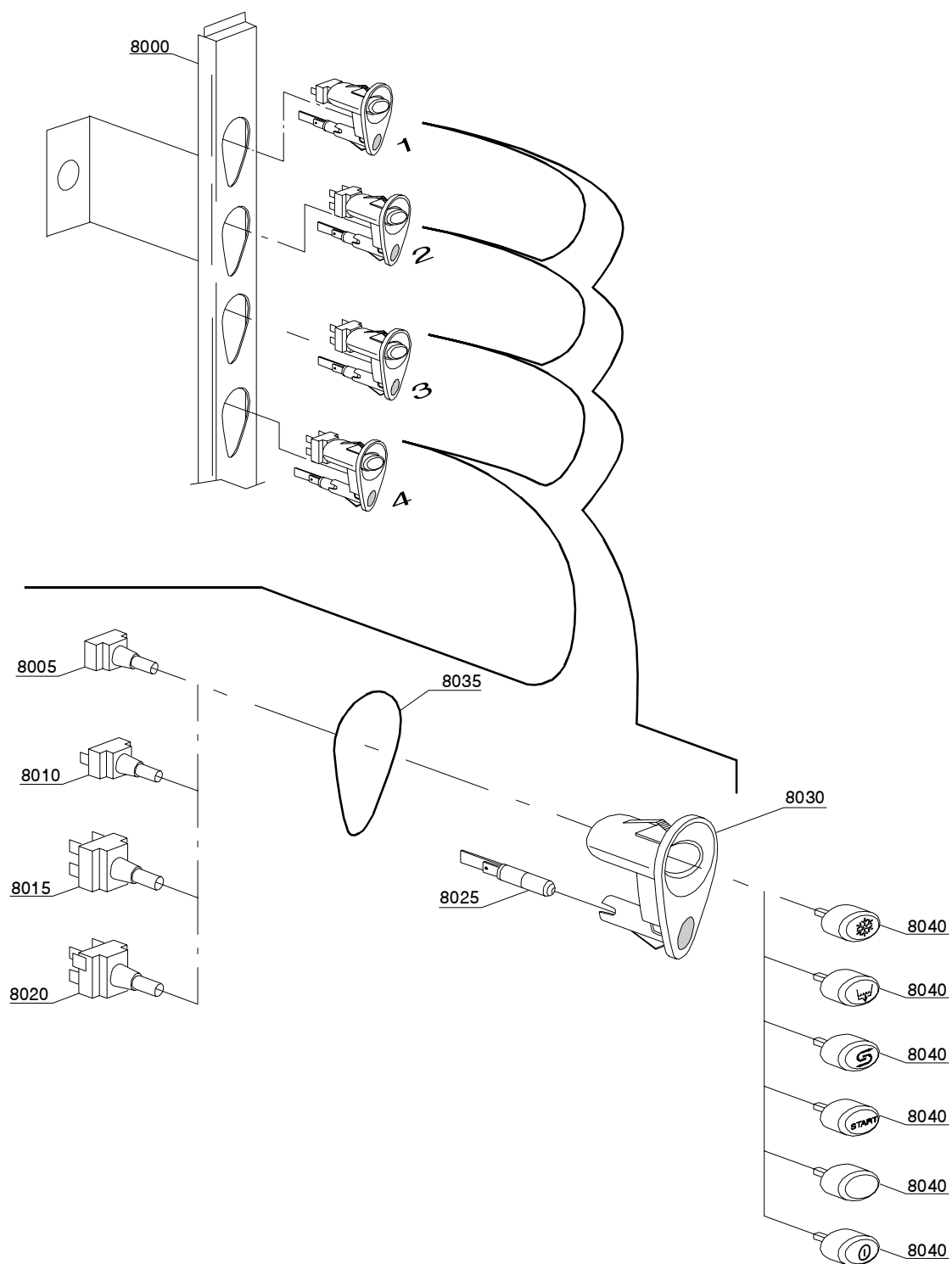


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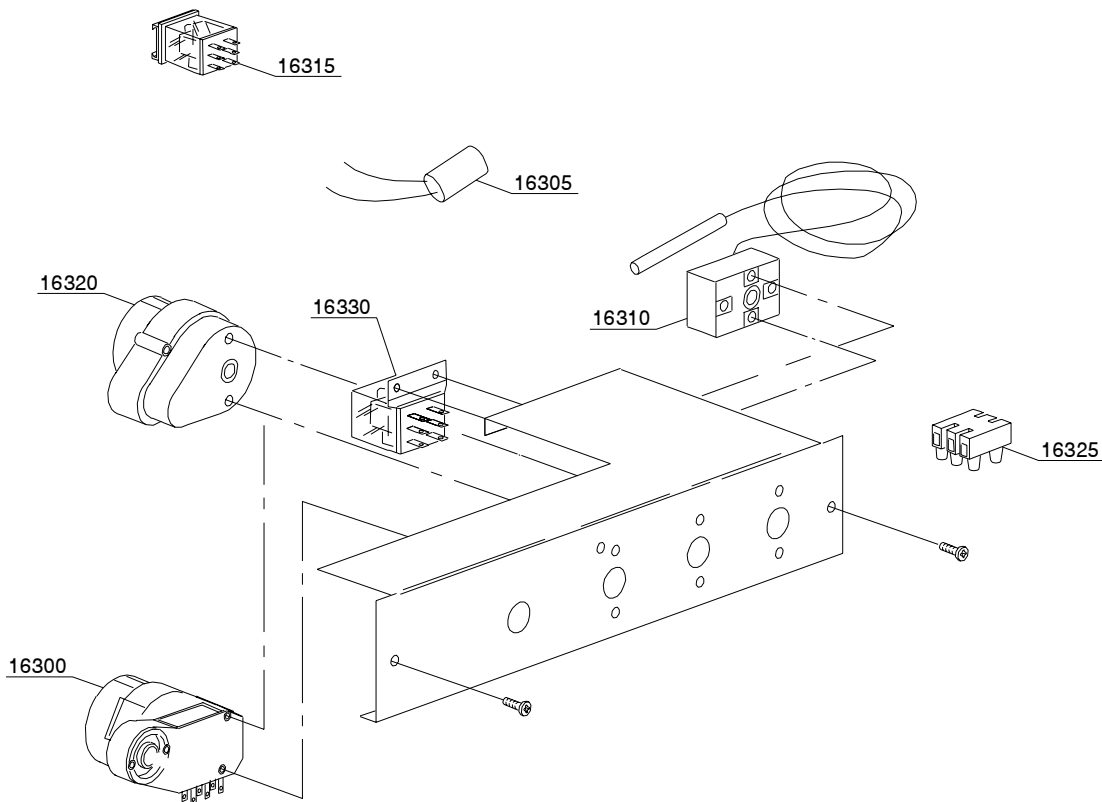


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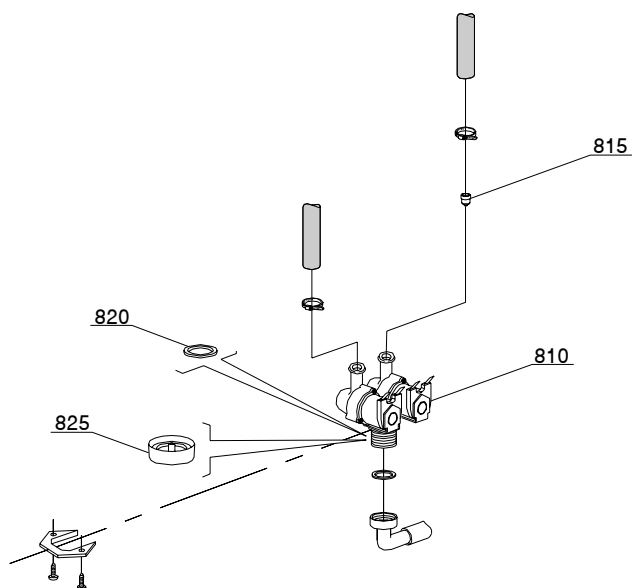
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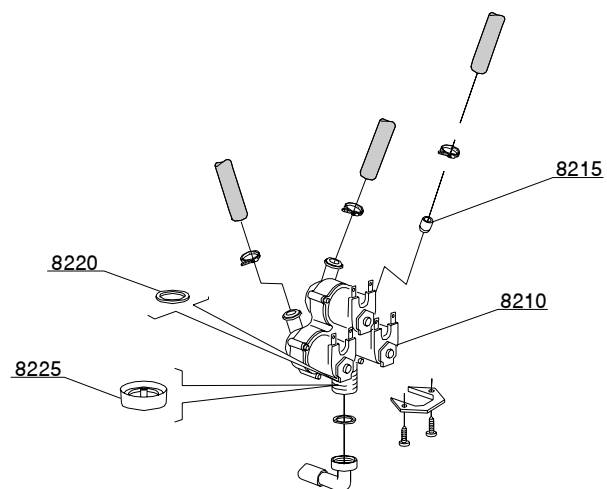
04_016_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Control electric components						
16300	10708/L		4U		A	"120"" timer - 230Vac 50Hz"
16300	10708/B		4U			"120"" timer - 220Vac 60Hz"
16305	15146		4U			Low noise filter
16310	10707/1		4U			0-90°C thermostat
16315	16047		4U	ws		16A bipolar relay
16320	16064/A		4U	ws		Regeneration timer
16325	15065		4U			Terminal board
16330	15620		4U	dp		16A bipolar relay



05_003_e

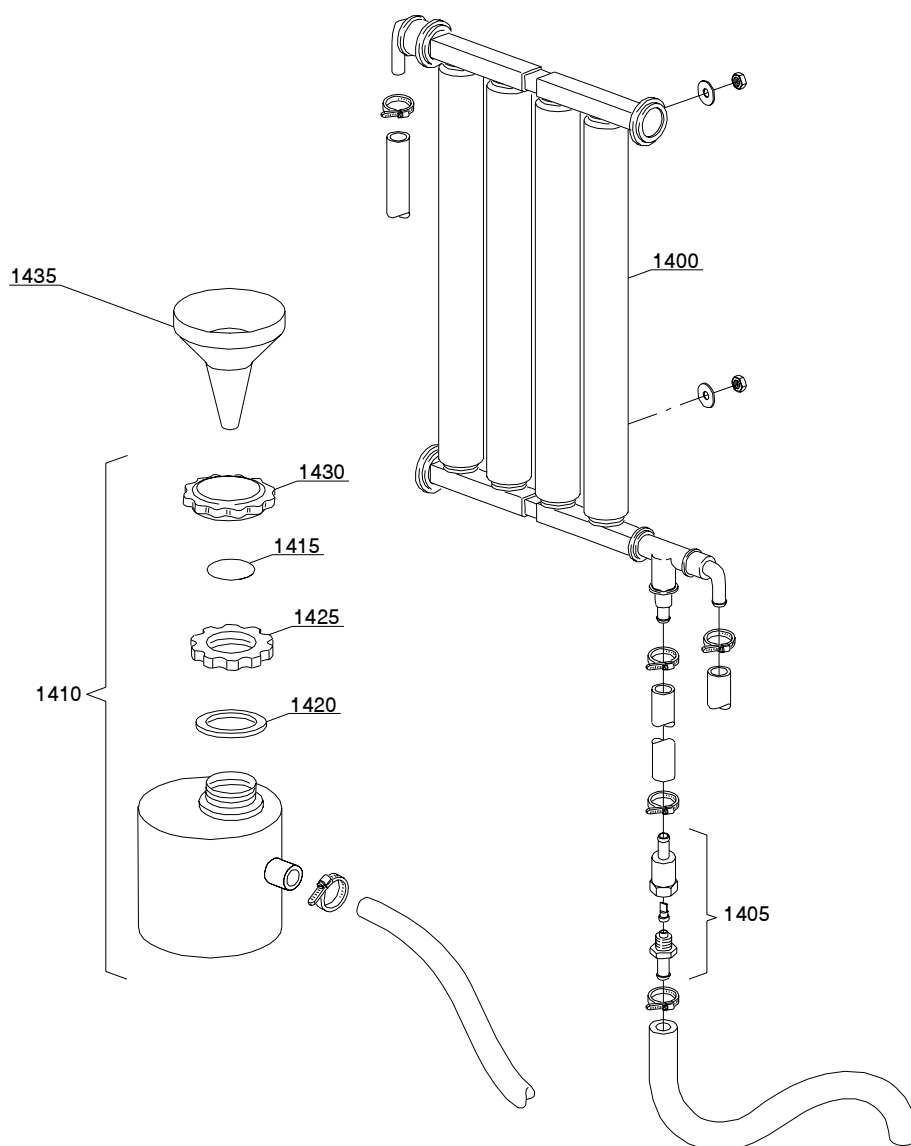
ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Solenoid valve group						
810	15098		4U	cr,ws		Double solenoid valve - Ø10
815	15115		4U	cr,ws		Green pression solenoid valve
820	N.C.		4U	cr,ws		Pression reducing valve



05_004_e

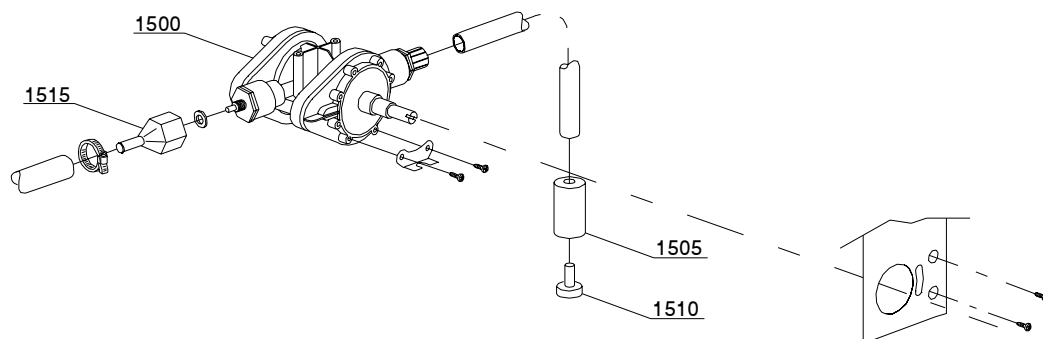
ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Solenoid valve group						
8210	15099		4U	cr,ws		Triple solenoid valve
8215	15115		4U	cr,ws		Green pression solenoid valve

09_001_e

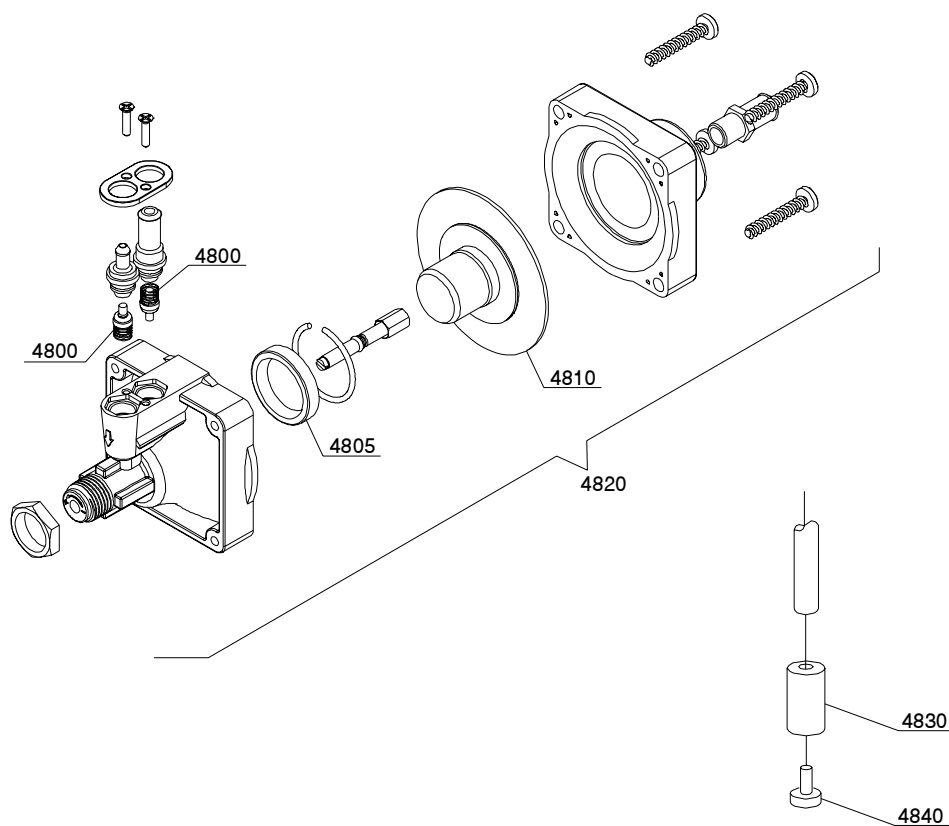


ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Water softner group						
1400	16066		4U	ws		4 elements water softner
1405	16070		4U	ws		Nonreturn valve
1410	16065		4U	ws		Salt container
1415	16067/A		4U	ws		OR gasket
1420	16067/B		4U	ws		Gasket
1425	16067/C		4U	ws		Ring nut
1430	16067/D		4U	ws		Plug
1435	16082		4U	ws		Funnel

10_002_e

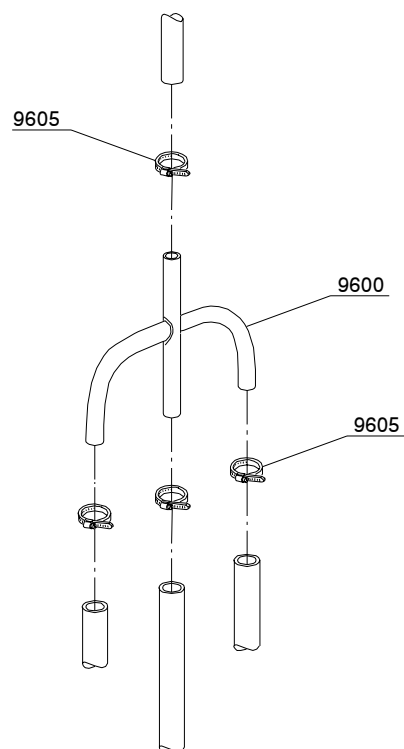


ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Shining product dosing device group						
1500	10798		4U			Shining product dosing device
1505	12525		4U			Counter-weight
1510	15058		4U			Small filter
1515	10798/B		4U			Brass pipe fitting



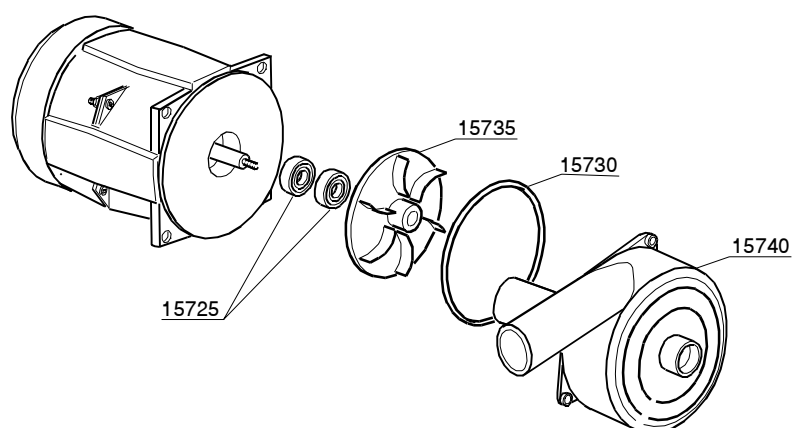
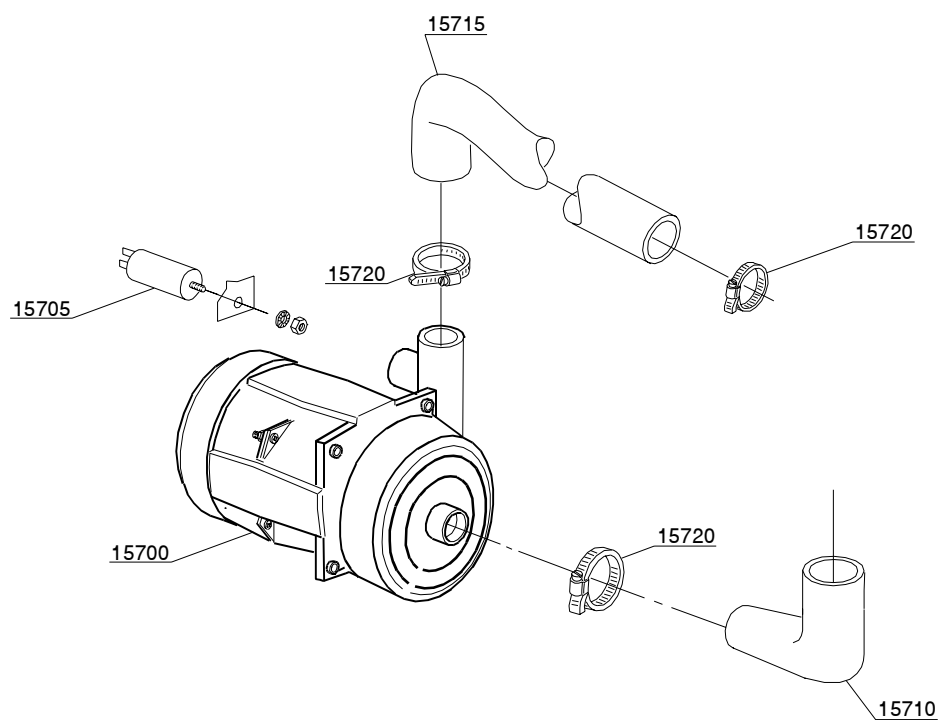
10_004_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Shining product dosing device group						
4800	10805		4U			Tecnopro dosing valve
4805	10806		4U			Ø22 gasket
4810	10807		4U			Membrane
4820	10799		4U			Shining product dosing device
4830	12525		4U			Counter-weight
4840	15058		4U			Small filter

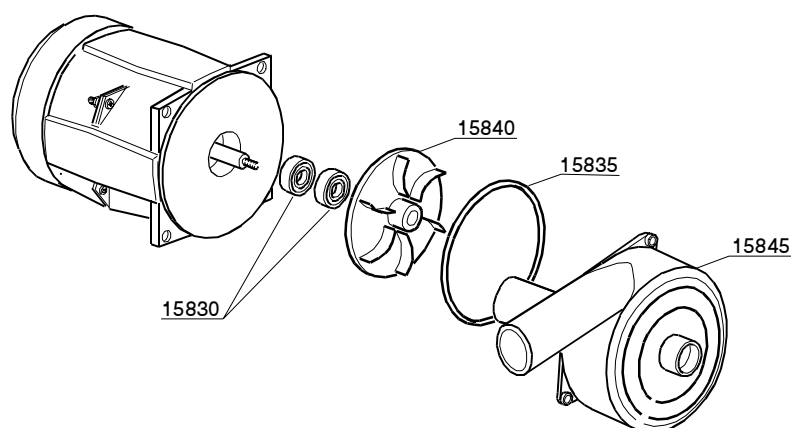
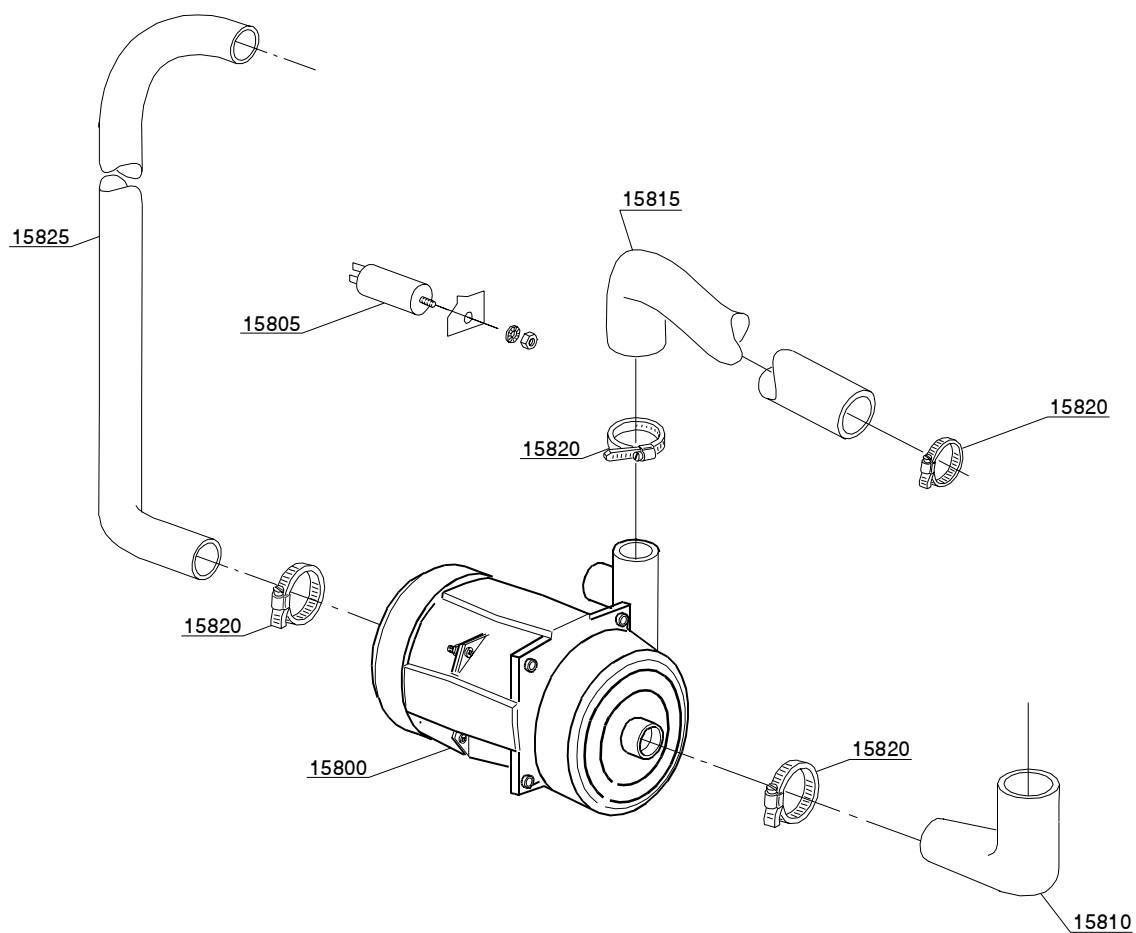


12_004_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:4 ways derivation						
9600	15151		4U			Ø10 mm 4 ways derivation
9605	11807		4U			12/22 clamp

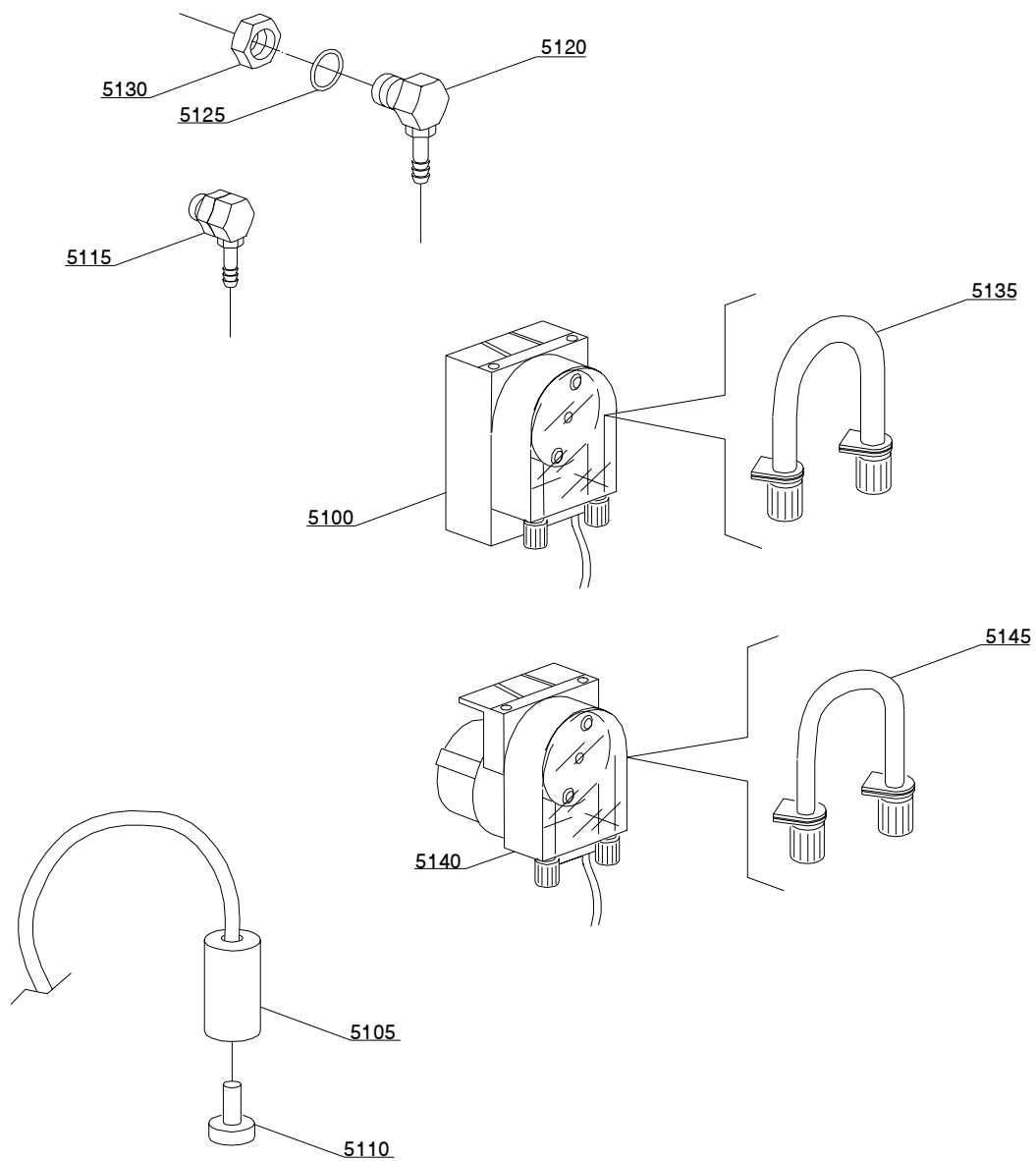


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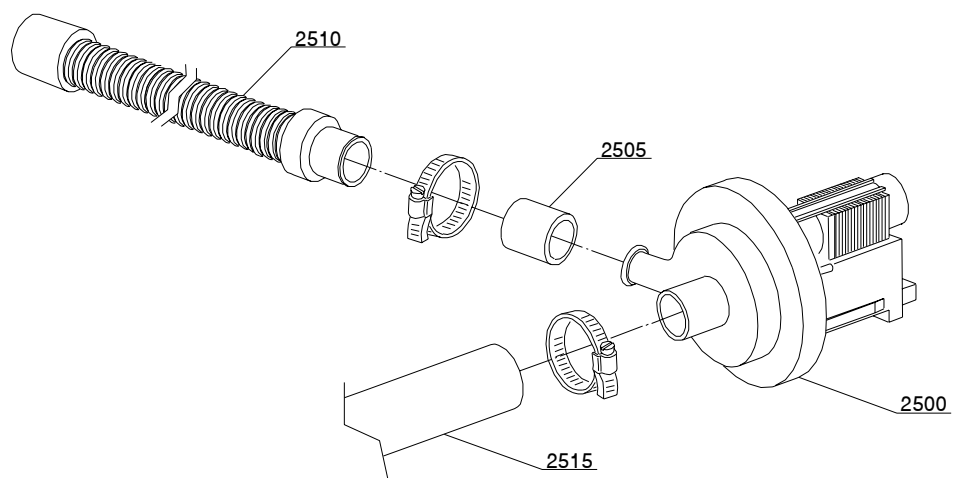
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ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Wash pump						
15800	18242		4U			0,30Hp wash pump
15800	18242/D		4U			0,30Hp wash pump - 220Vac 60Hz
15805	18043		4U			10 uF condenser
15810	18787		4U			Suction pipe coupling
15815	18788		4U			Delivery side pipe coupling
15820	11806		4U			25/40 clamp
15825	18044		4U			Ø28 top wash pipe
15830	15080		4U			Rotating seals
15835	18245		4U			OR gasket
15840	18246		4U			Pump rotor
15845	18247		4U			Scroll



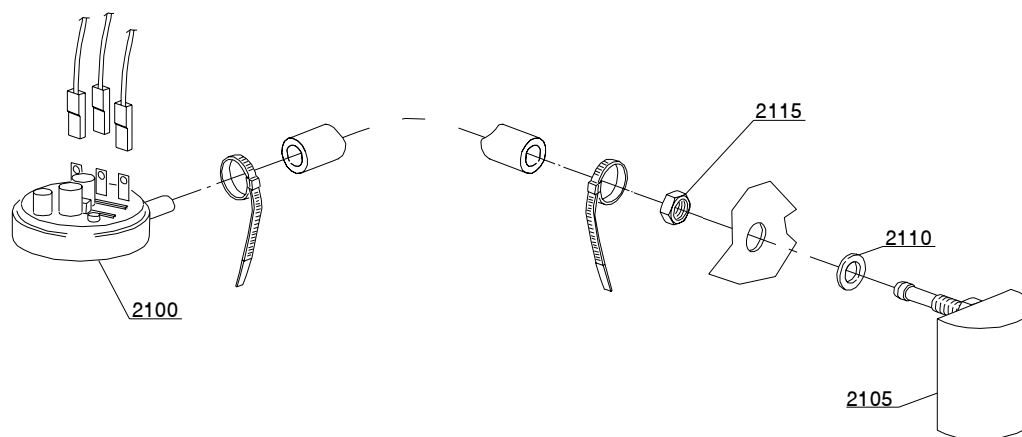
14_004_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Dosing device group						
5100	15985		4U	dd		Seko dosing device
5105	12525		4U	dd		Counter-weight
5110	15058		4U	dd		Small filter
5115	15123		4U	dd		Compleat plastic injector
5120	15148		4U	dd		Steel injector
5125	15159		4U	dd		OR gasket
5130	10200205		4U	dd		M12x1 stainless steel nut
5135	15185		4U	dd		Seko thermoplastic pipe
5140	15985		4U	dd		Germac dosing device
5145	15108/E		4U	dd		Germac thermoplastic pipe



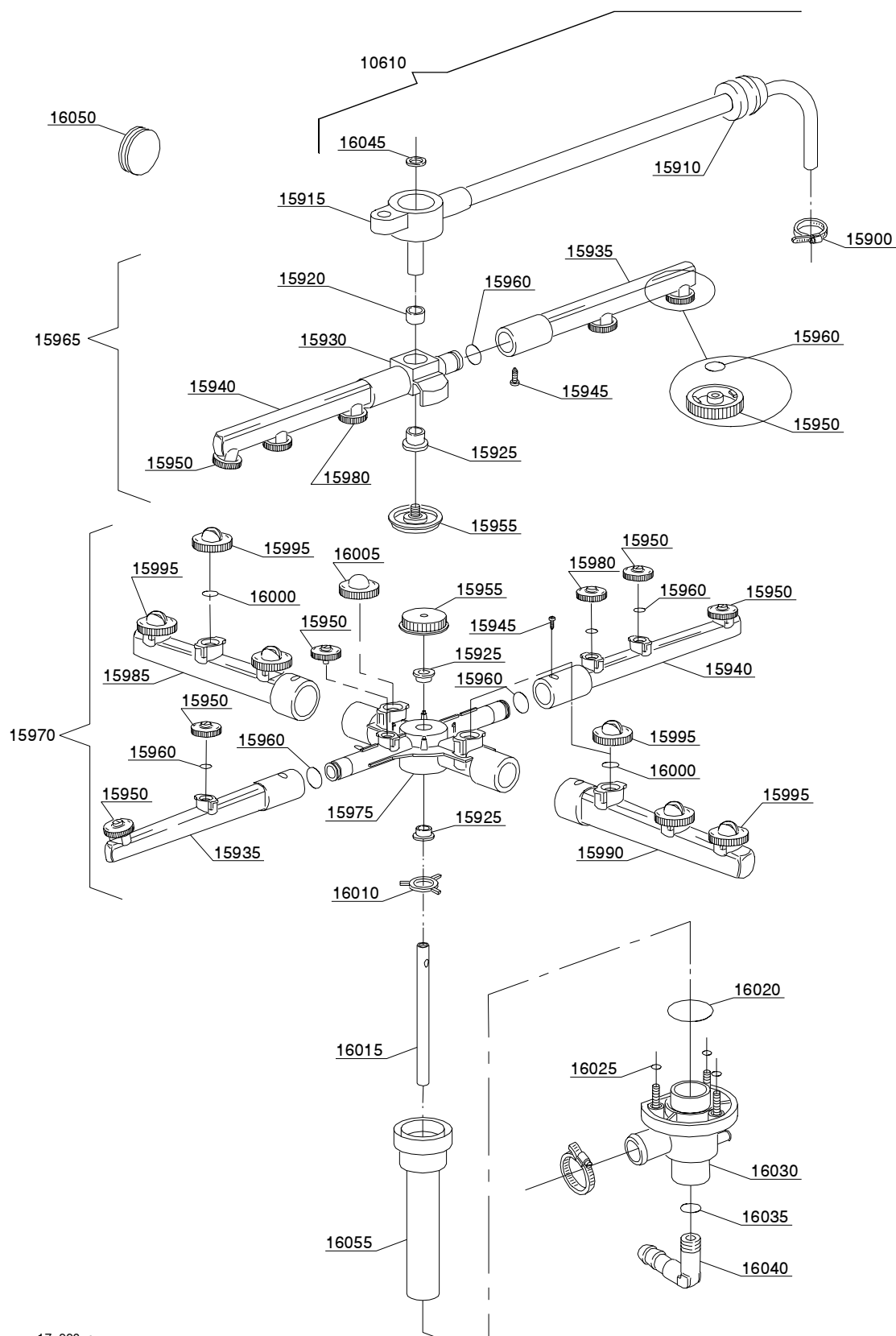
15_004_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Drain pump group						
2500	15101		4U	dp		Drain pump
2505	15101/D		4U	dp		Pipe fitting
2510	10727		4U	dp		Drain pipe
2515	10718		4U	dp		Drain coude/pump connection pipe



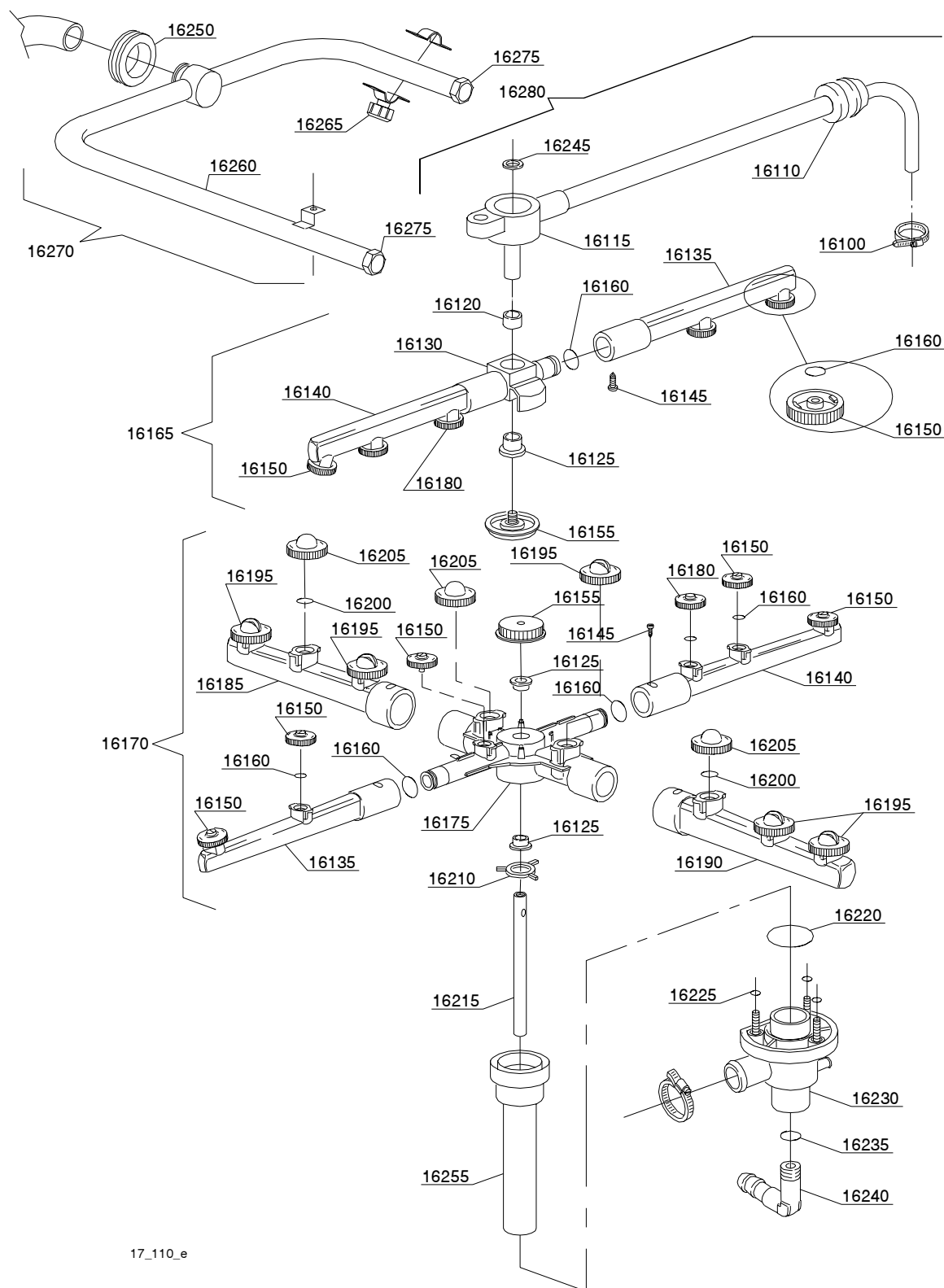
16_001_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Pressure switch group with air trap						
2100	10706/A		4U			47-27 pressure switch
2105	10911		4U			Air trap assembly
2110	13301		4U			Gasket
2115	11702		4U			M8 stainless steel nut



17 006 A

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ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Turret group with rotating arms						
16100	11807		4U			12/22 clamp
16110	13304		4U			Pipe-pass gasket
16115	10909		4U			Top rinse turret
16120	13320		4U			Sliding washer
16125	13319		4U			Sliding washer
16130	10359		4U			Rinse rotor
16135	10360		4U			Right rinse pipe
16140	10361		4U			Left rinse pipe
16145	11004		4U			4x10 TCB Ø8 spax toothed screw
16150	12537		4U			Opened head rinse nozzle
16155	10365		4U			Handle with insert
16160	13002		4U			OR R6 NBR gasket
16165	10996		4U			Top rinse group
16170	18995		4U			Lower wash/rinse group
16175	10364		4U			Wash rotor
16180	12538		4U			Closed head rinse nozzle
16185	10355		4U			Right wash pipe
16190	10356		4U			Left wash pipe
16195	10366		4U			1,9 opened head wash nozzle
16200	13009		4U			OR 2050 NBR gasket
16205	10358		4U			Closed head wash nozzle
16210	10203		4U			Guide pipe
16215	18510		4U			Rinse axle
16220	13000		4U			OR 3125 NBR gasket
16225	13001		4U			OR 104 NBR gasket
16230	10205/A		4U			Lower wash turret with hole
16235	13003		4U			OR 112 NBR gasket
16240	12030		4U			3/8M Ø12 elbow pipe fitting
16245	11610		4U			Copper washer
16250	13306/A		4U			Top wash ramp gasket
16255	18250/A		4U			Bell-shape assembly with pipe coupling
16260	18134		4U			Top wash pipe
16265	18135		4U			Wash nozzle
16270	18903		4U			Top wash group
16275	12503		4U			Plug
16280	10993		4U			Top rinse turret group

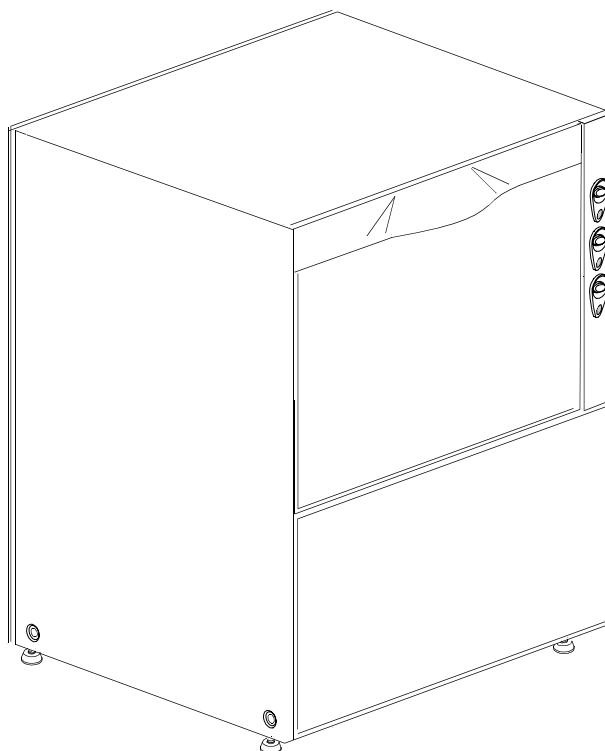
DISHWASHER

ELECTROMECHANICAL SWITCHES
LOWER AND UPPER WASHING

TYPE: 4U

Accessories
COLD RINSE
WATER SOFTNER
DETERGENT DISPENSER

Spare parts manual



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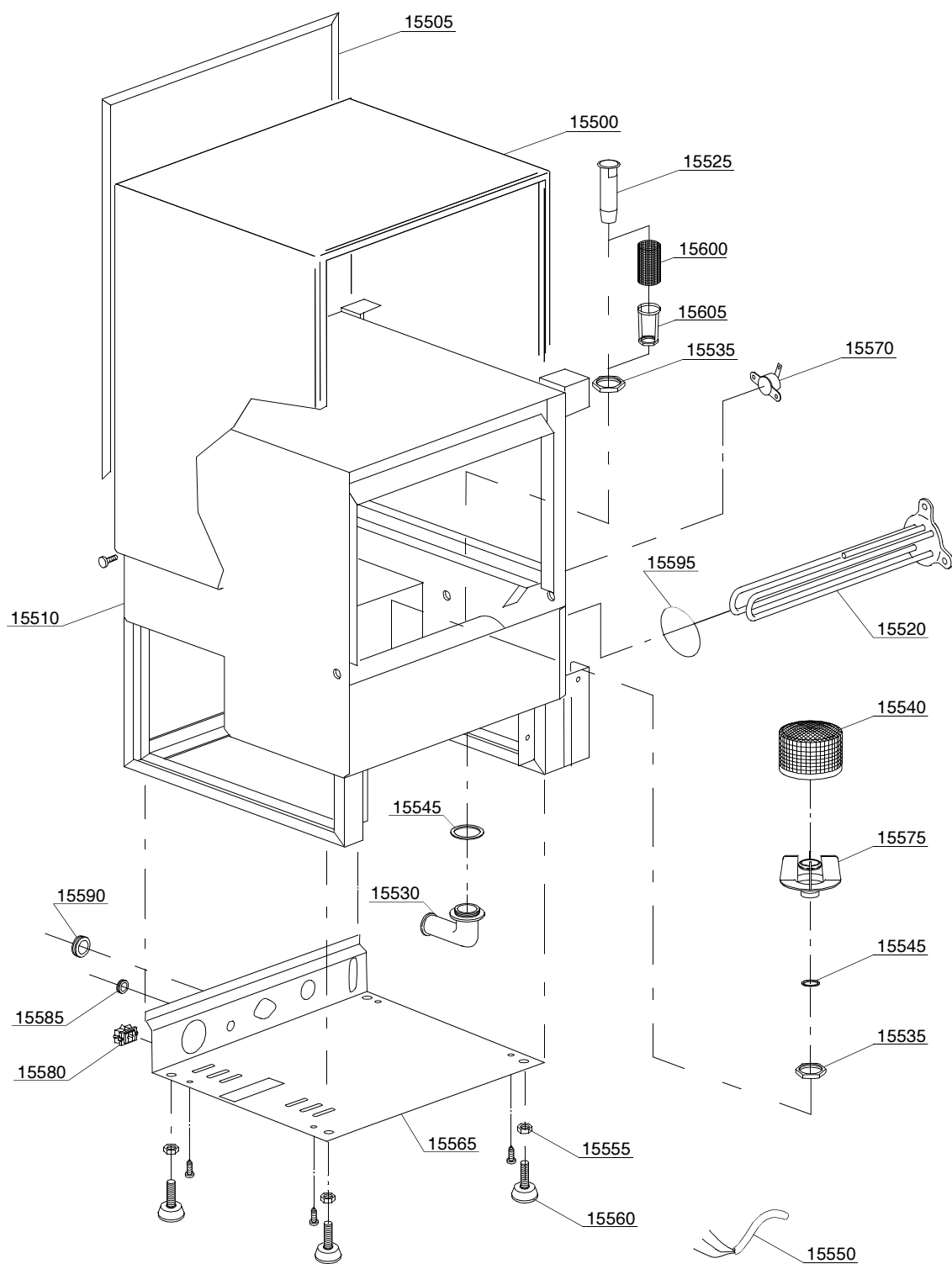
Turret group with rotating arms39

1.1 Voltage codes

Voltage code	Voltage
A	3/N/PE~400/230V 50Hz
B	~250V 16A 50Hz
C	3/N/PE~380/220V 50Hz
D	3/PE~200V 50-60Hz
F	2/PE 220-240V 50Hz
G	3/N/PE~415/240V 50Hz
H	3/PE~230V 50Hz
I	3/PE~220V 60Hz
J	3/PE~380 50Hz
K	3/PE~400V 50Hz
L	3/PE~415V 50Hz
M	3/PE~440V 60Hz
N	3/PE~460V 60Hz
O	3/PE~480V 60Hz
P	1/N/PE~220-240V 50Hz
R	2/PE~220-230V 60Hz
S	3/N/PE~400/230V 50Hz
T	3/PE~230V 60Hz

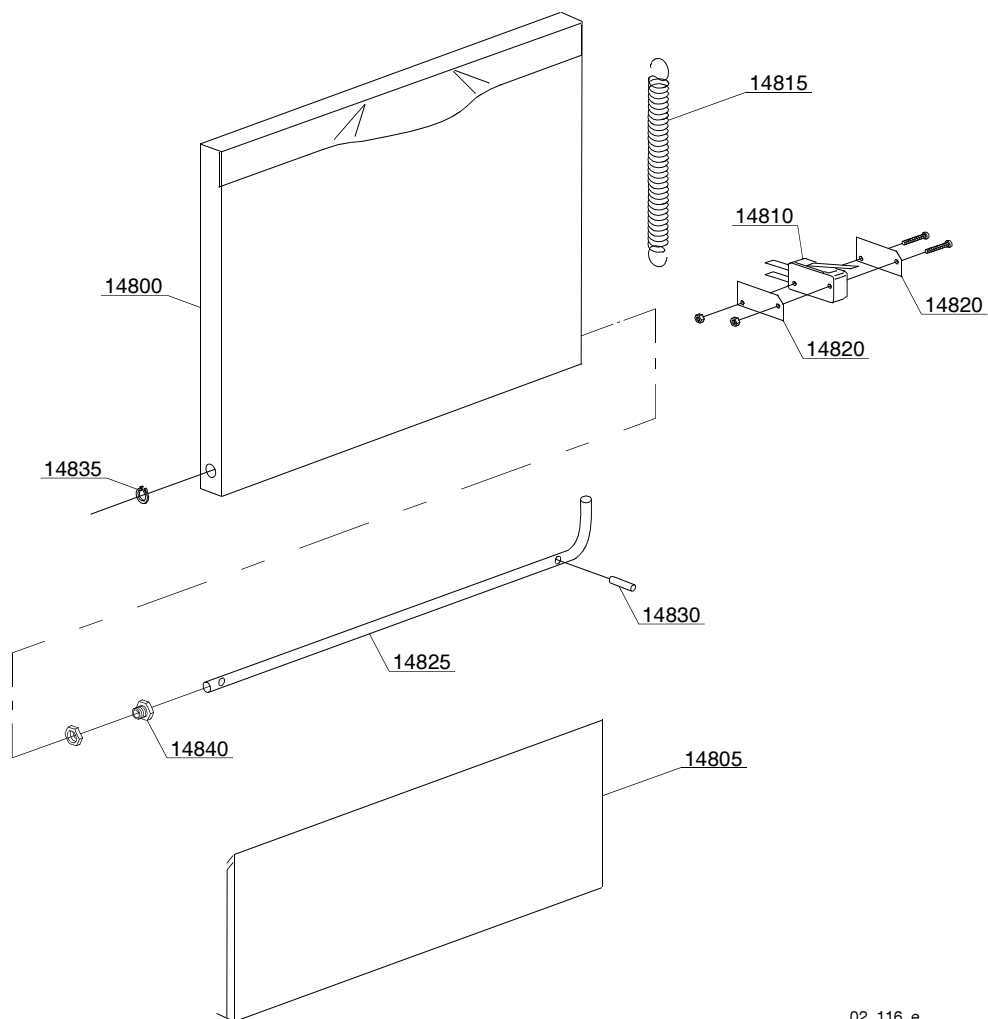
1.2 Product codes

Product code	Full name
Model codes	
em	ELECTROMECHANICAL SWITCHES
ls	LOWER AND UPPER WASHING
Type codes	
4U	4U
Accessory codes	
bt	BREAK TANK
pap	BOOSTER PUMP
dvgw	DVGW
fs	COLD RINSE
d	WATER SOFTNER
dde	DETERGENT DISPENSER
ps	DRAIN PUMP



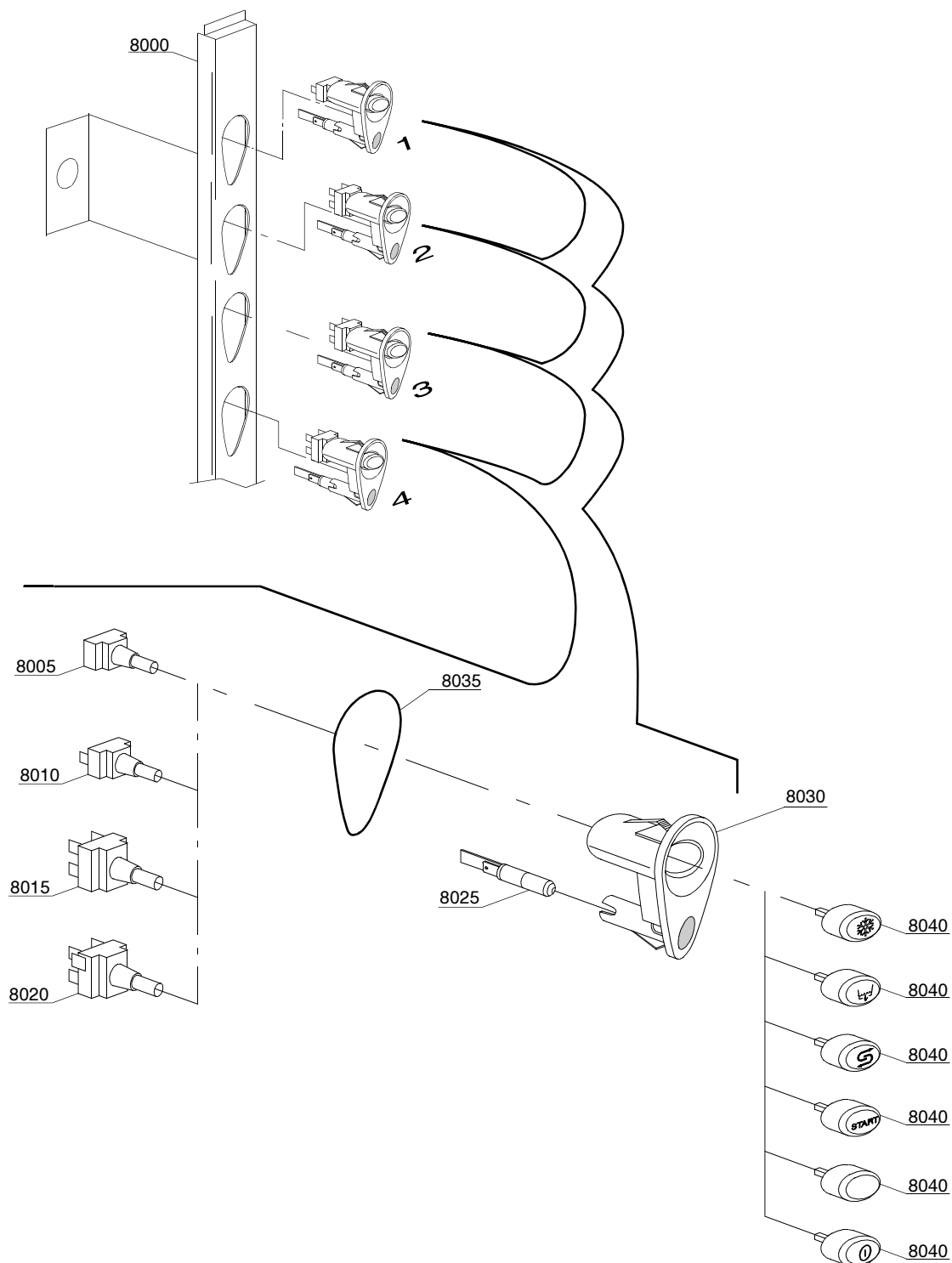
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ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:General body parts						
15500	18201		4U			Cover
15505	18202		4U			Back panel
15505	18204		4U			Back panel
15510	18950		4U			Body
15520	18206		4U			2,4KW heating element
15525	10725		4U			Overflow pipe
15530	10701		4U			Drain elbow
15535	11701/A		4U			Stainless steel nut
15540	540002		4U			Filter for top body
15545	13305		4U			44x32x3 drain elbow gasket
15550	10713		4U			3x2,5x2500 cable
15555	11711		4U			M10 zinc plated nut
15560	10786		4U			M10x25 O40 black foot
15565	18209		4U			Bottom protection
15565	18210		4U			Bottom protection
15570	15550		4U			Safety thermostat
15575	540000		4U			Top filter body
15580	15065/A		4U			Cable-fastener with screw
15585	13323		4U			O13mm fairlead
15590	13317		4U			O40mm fairlead
15595	13010		4U			OR gasket
15600	440751		4U	dp		Drain pump stainless steel filter
15605	11701/B		4U	dp		Stainless steel nut



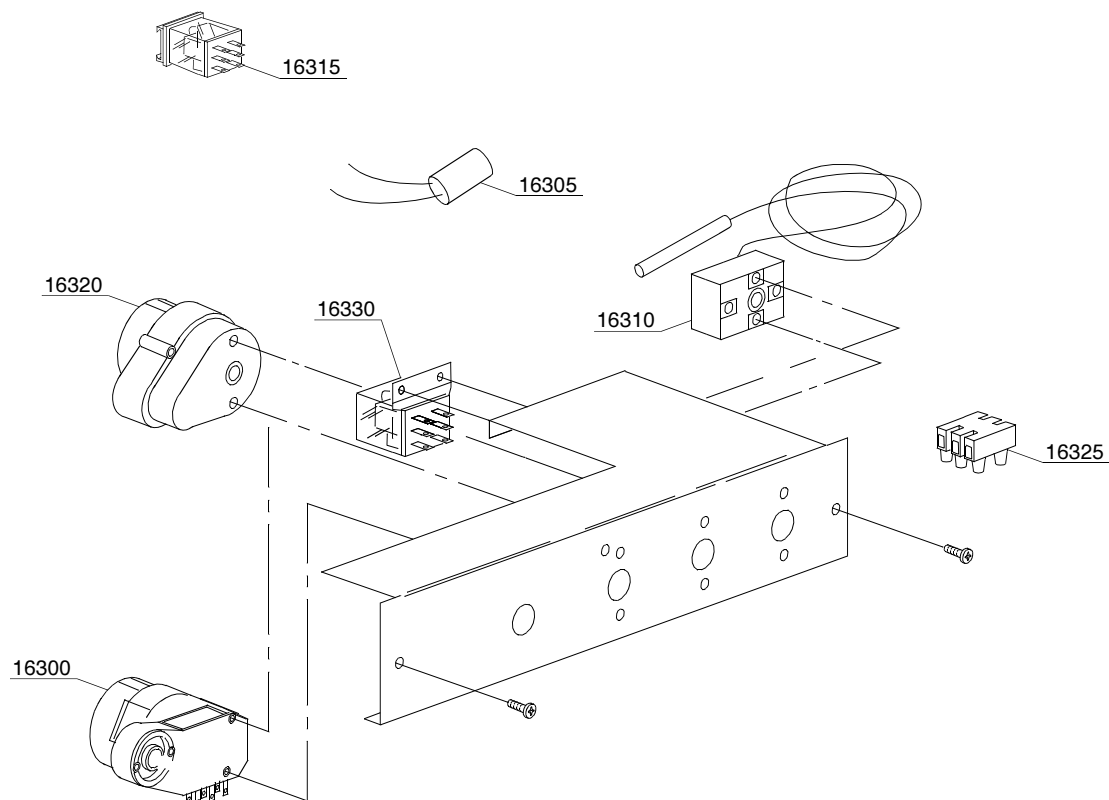
02_116_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Lockup system						
14800	18960		4U			Door with stainless steel handle
14805	18203		4U			Lower door
14810	10704		4U			Door microswitch
14815	10700/B		4U			Door spring
14820	10770		4U			Insulating for door microswitch
14825	18136		4U			Rod door
14830	11170		4U			M5x25 grub-screw
14835	11815		4U			O8 stainless steel snap ring
14840	11835		4U			Brass bush with nut



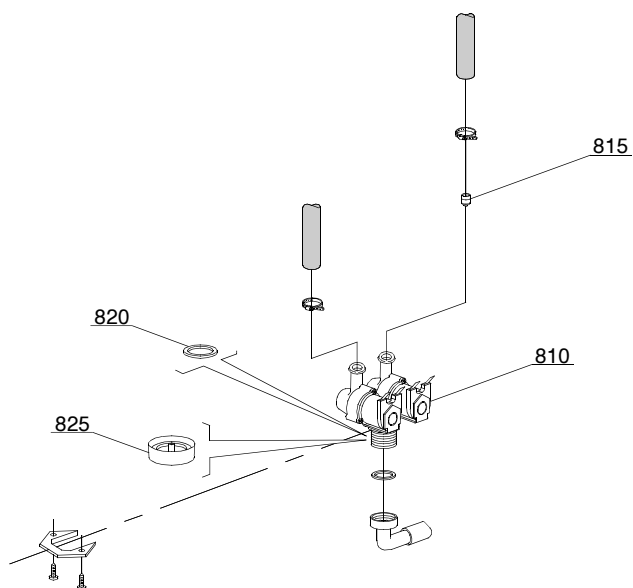
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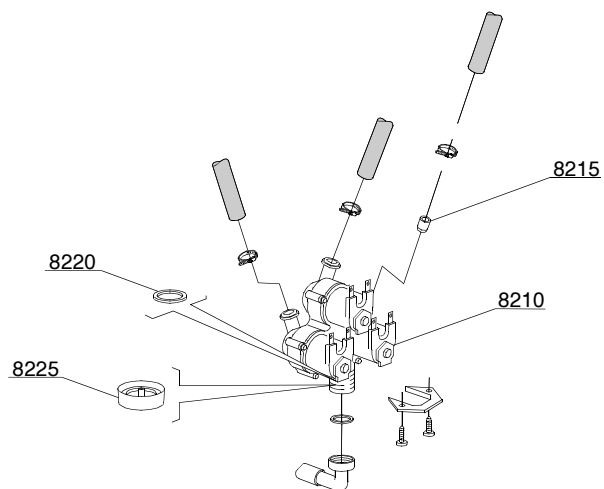
04_016_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Control electric components						
16300	10708/L		4U		A	"120"" timer - 230Vac 50Hz"
16300	10708/B		4U			"120"" timer - 220Vac 60Hz"
16305	15146		4U			Low noise filter
16310	10707/1		4U			0-90°C thermostat
16315	16047		4U	ws		16A bipolar relay
16320	16064/A		4U	ws		Regeneration timer
16325	15065		4U			Terminal board
16330	15620		4U	dp		16A bipolar relay



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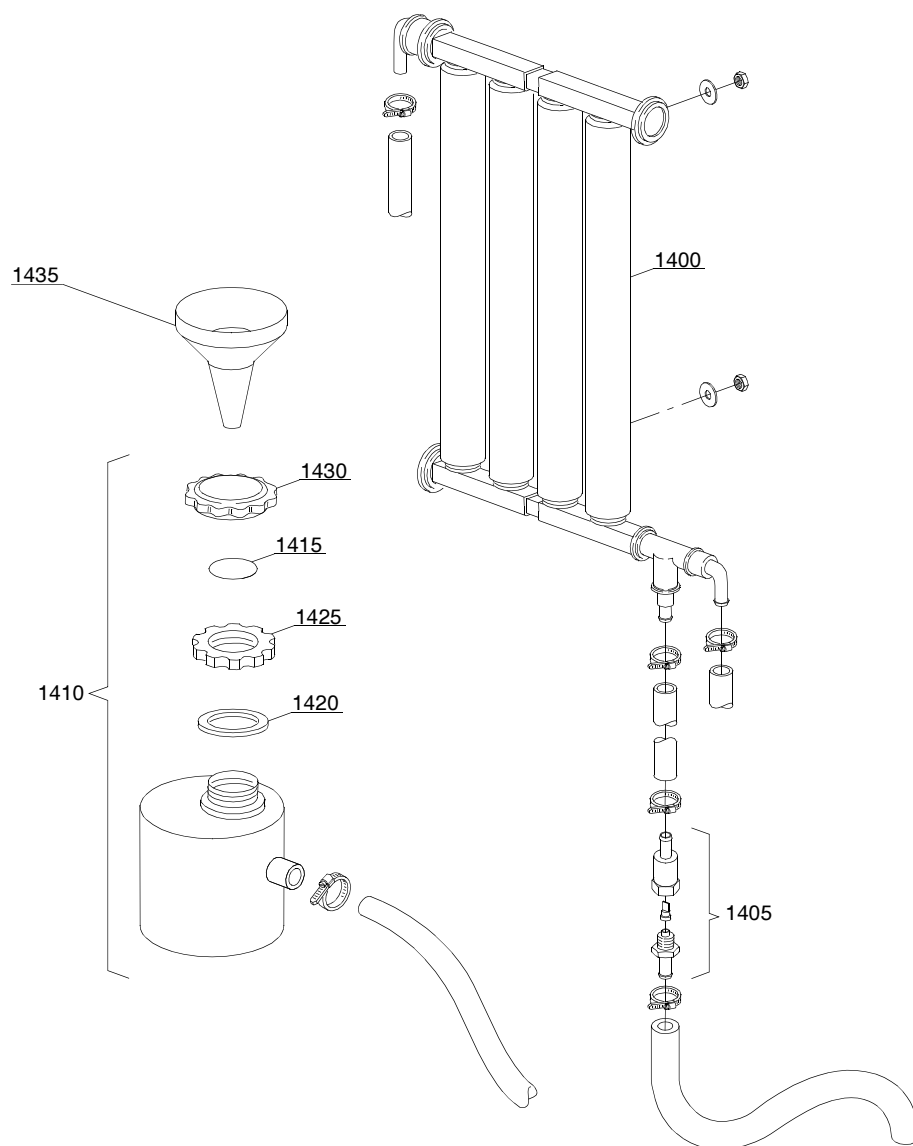
ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Solenoid valve group						
810	15098		4U	cr,ws		Double solenoid valve - O10
815	15115		4U	cr,ws		Green pression solenoid valve
820	N.C.		4U	cr,ws		Pression reducing valve



05_004_e

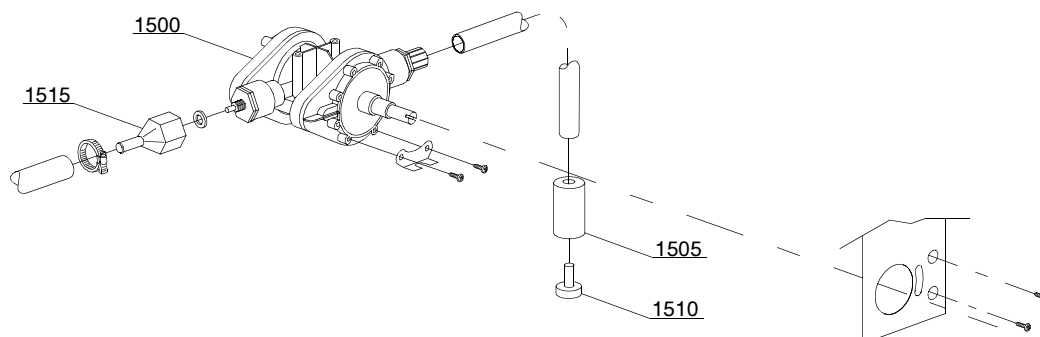
ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Solenoid valve group						
8210	15099		4U	cr,ws		Triple solenoid valve
8215	15115		4U	cr,ws		Green pression solenoid valve

09_001_e

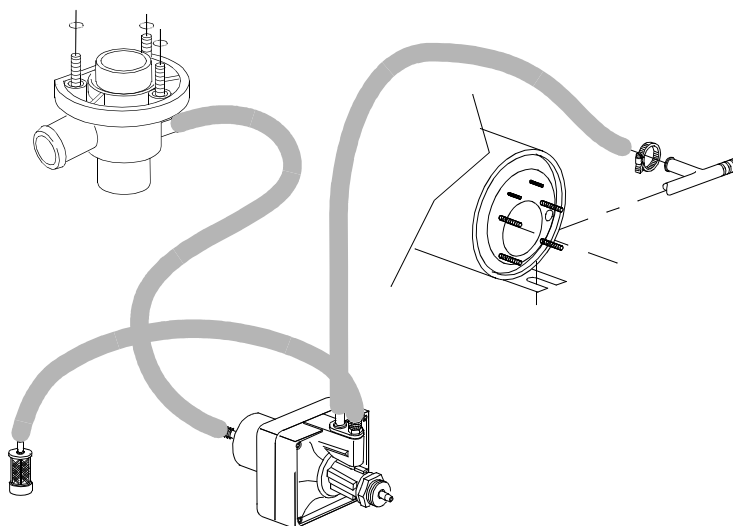
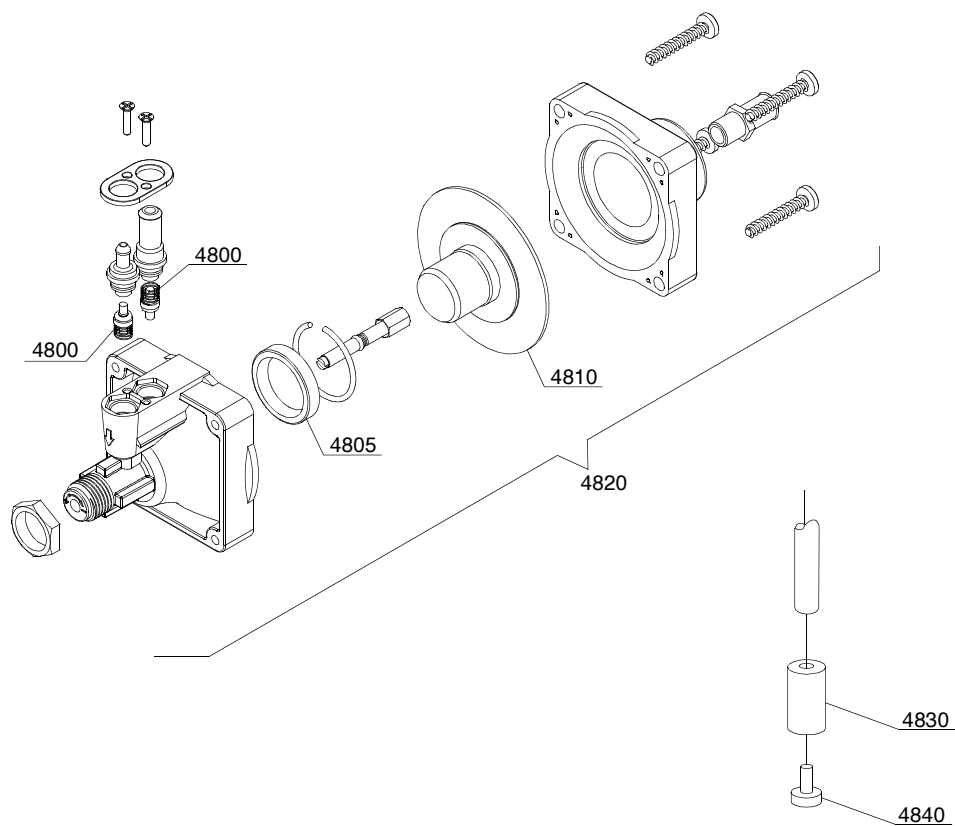


ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Water softner group						
1400	16066		4U	ws		4 elements water softner
1405	16070		4U	ws		Nonreturn valve
1410	16065		4U	ws		Salt container
1415	16067/A		4U	ws		OR gasket
1420	16067/B		4U	ws		Gasket
1425	16067/C		4U	ws		Ring nut
1430	16067/D		4U	ws		Plug
1435	16082		4U	ws		Funnel

10_002_e

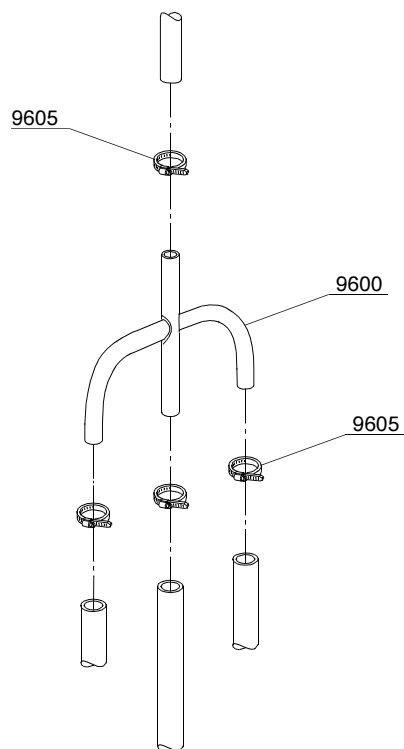


ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Shining product dosing device group						
1500	10798		4U			Shining product dosing device
1505	12525		4U			Counter-weight
1510	15058		4U			Small filter
1515	10798/B		4U			Brass pipe fitting



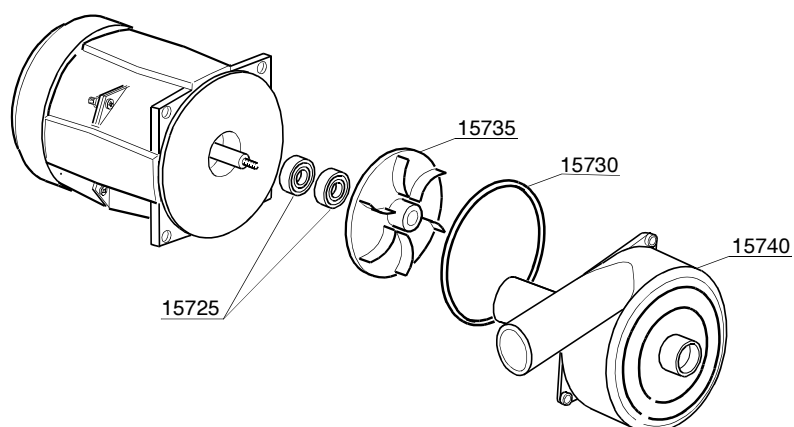
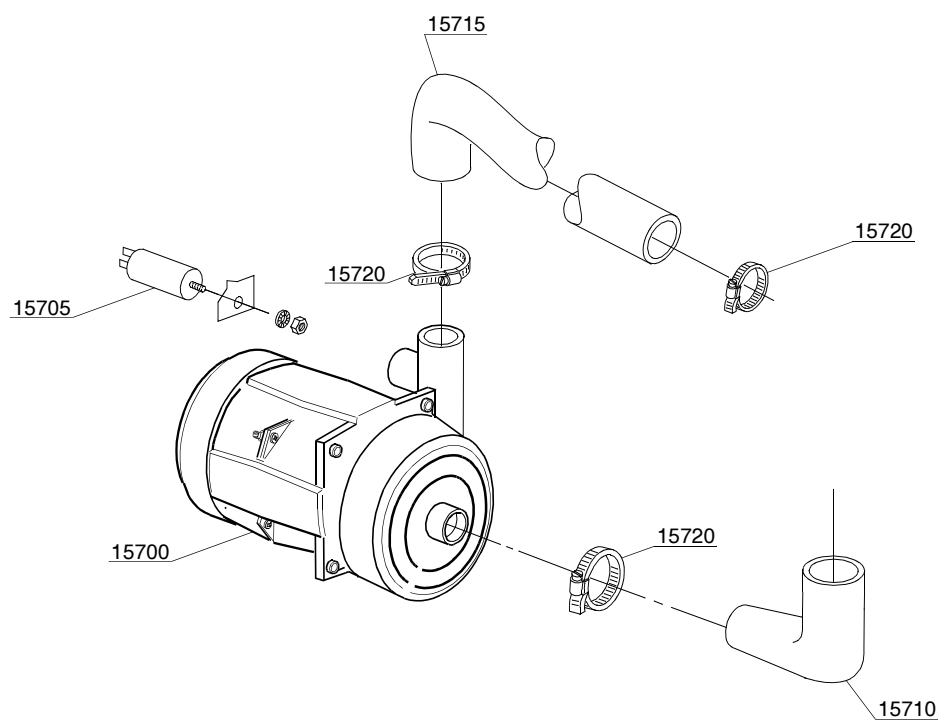
10_004_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Shining product dosing device group						
4800	10805		4U			Tecnopro dosing valve
4805	10806		4U			O22 gasket
4810	10807		4U			Membrane
4820	10799		4U			Shining product dosing device
4830	12525		4U			Counter-weight
4840	15058		4U			Small filter



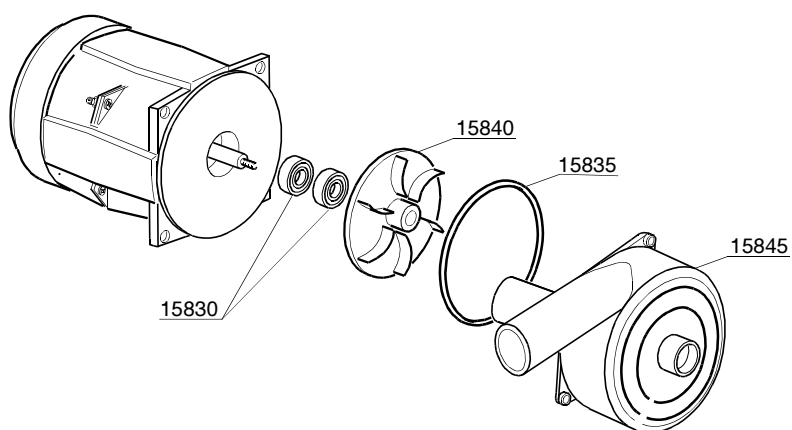
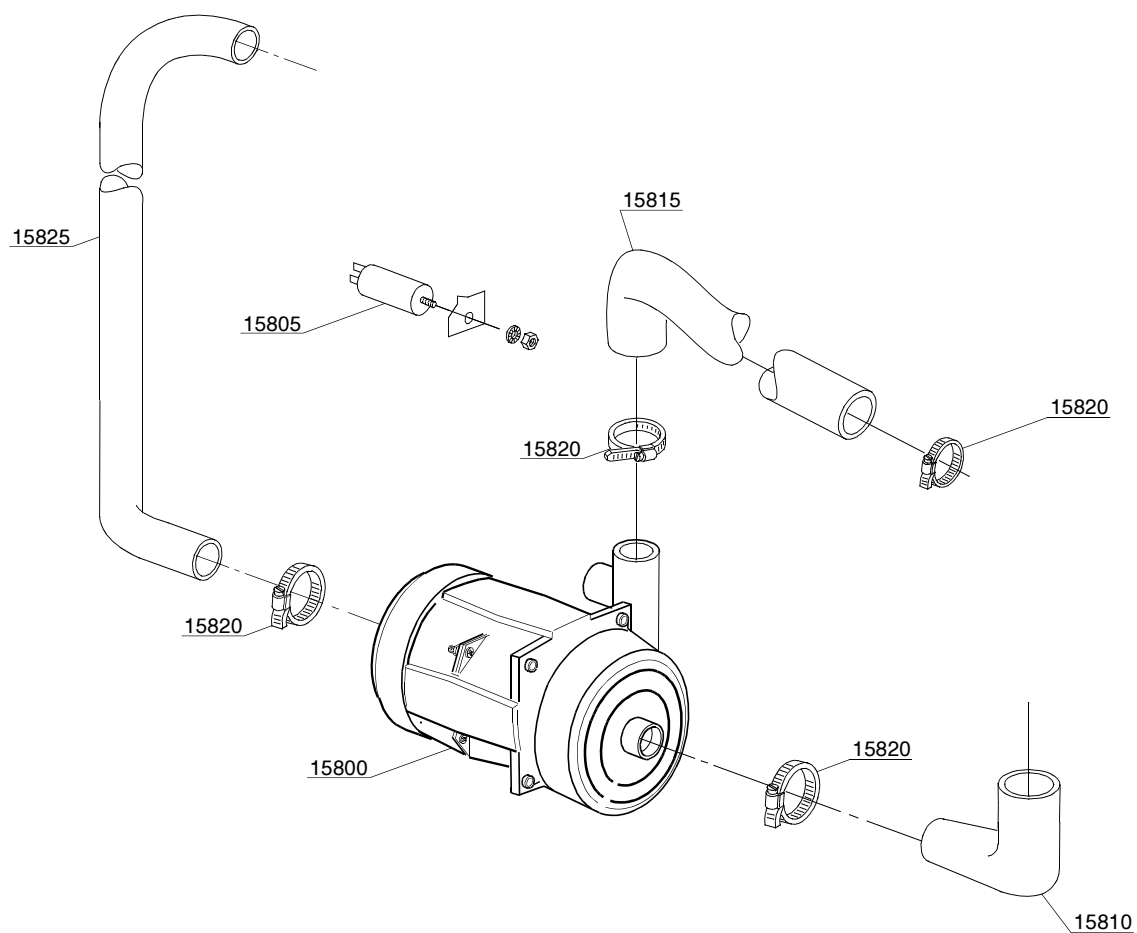
12_004_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:4 ways derivation						
9600	15151		4U			O10 mm 4 ways derivation
9605	11807		4U			12/22 clamp



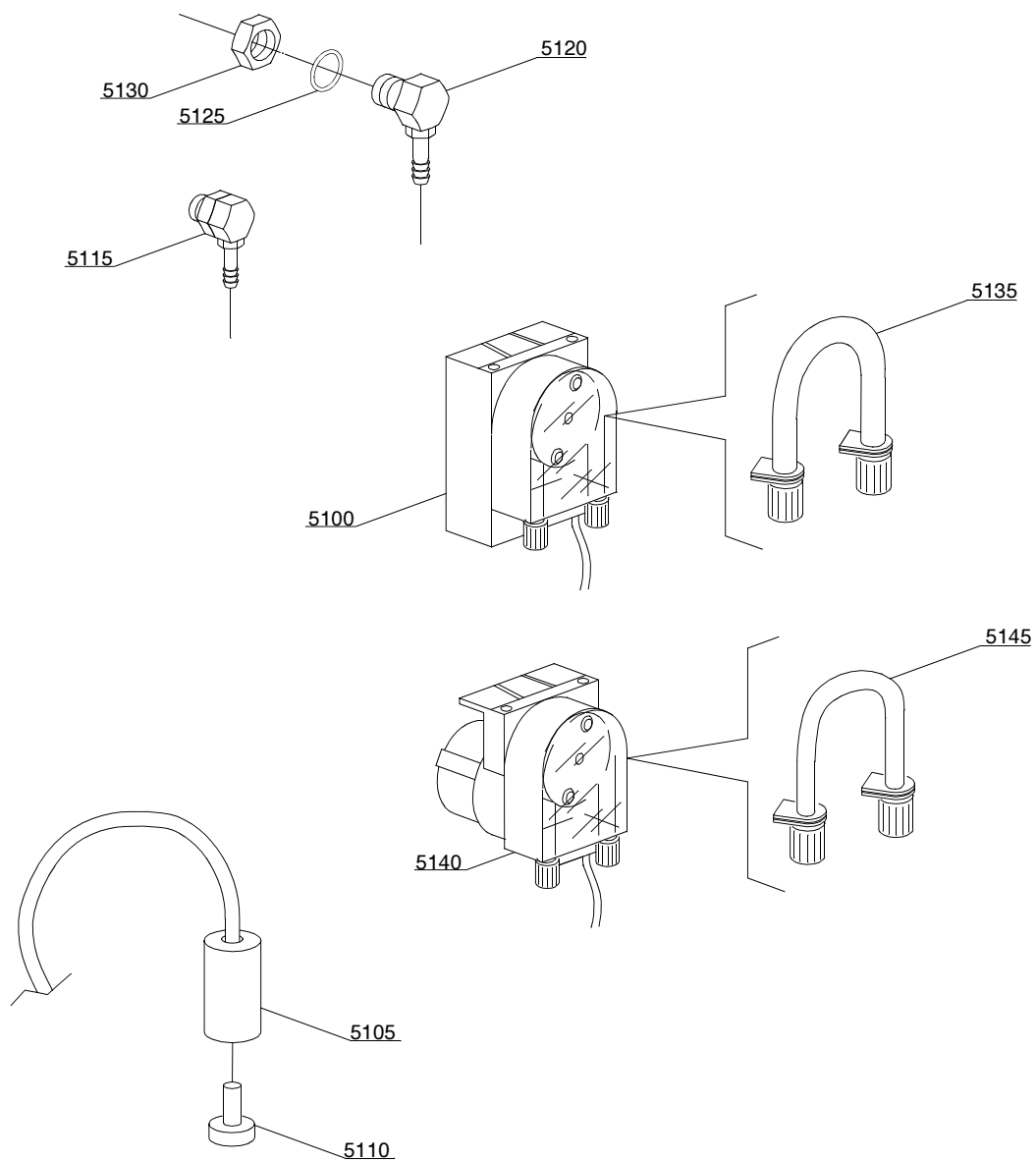
13_006_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Wash pump						
15700	18243		4U			0,33Hp wash pump
15700	18243/A		4U			0,33Hp wash pump - 220VAc 60Hz
15705	18043		4U			10 uF condenser
15710	18787		4U			Suction pipe coupling
15715	18788		4U			Delivery side pipe coupling
15720	11806		4U			25/40 clamp
15725	15080		4U			Rotating seals
15730	18245		4U			OR gasket
15735	18246		4U			Pump rotor
15740	18247		4U			Scroll
15740	18248		4U			Scroll



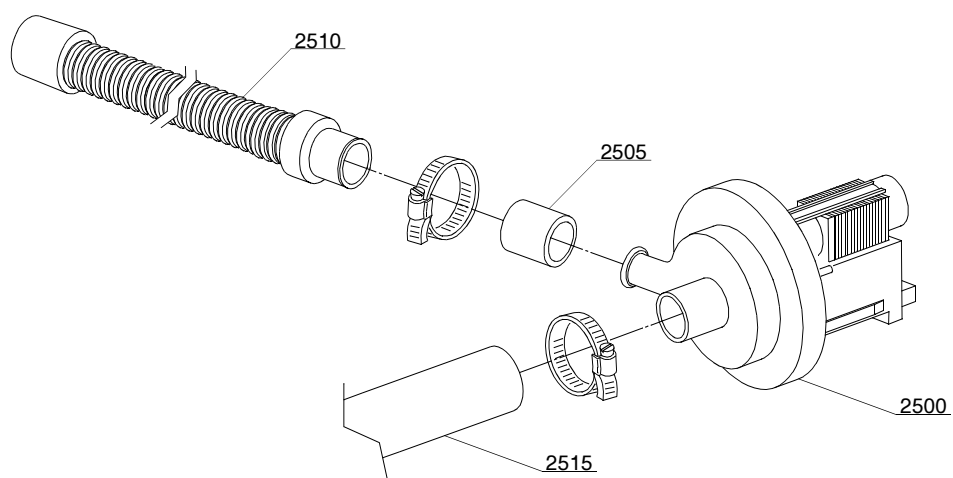
13_112_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Wash pump						
15800	18242		4U			0,30Hp wash pump
15800	18242/D		4U			0,30Hp wash pump - 220Vac 60Hz
15805	18043		4U			10 uF condenser
15810	18787		4U			Suction pipe coupling
15815	18788		4U			Delivery side pipe coupling
15820	11806		4U			25/40 clamp
15825	18044		4U			O28 top wash pipe
15830	15080		4U			Rotating seals
15835	18245		4U			OR gasket
15840	18246		4U			Pump rotor
15845	18247		4U			Scroll



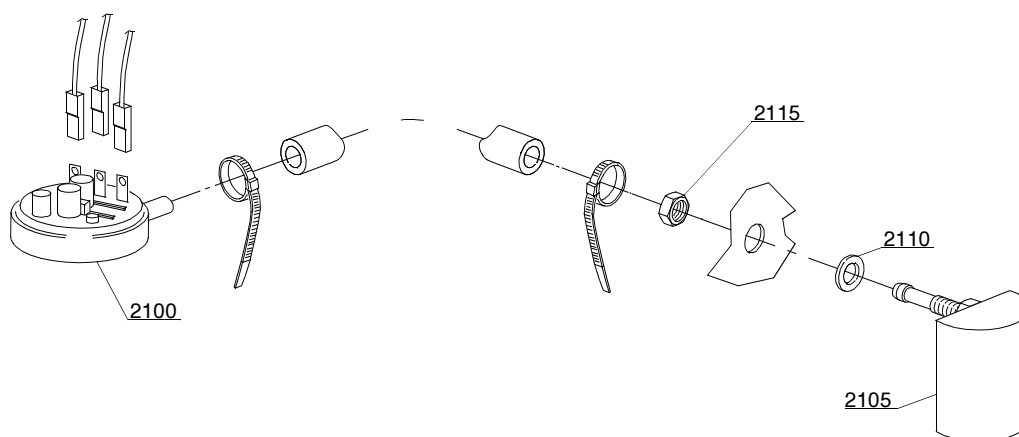
14_004_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Dosing device group						
5100	15985		4U	dd		Seko dosing device
5105	12525		4U	dd		Counter-weight
5110	15058		4U	dd		Small filter
5115	15123		4U	dd		Compleat plastic injector
5120	15148		4U	dd		Steel injector
5125	15159		4U	dd		OR gasket
5130	10200205		4U	dd		M12x1 stainless steel nut
5135	15185		4U	dd		Seko thermoplastic pipe
5140	15985		4U	dd		Germac dosing device
5145	15108/E		4U	dd		Germac thermoplastic pipe



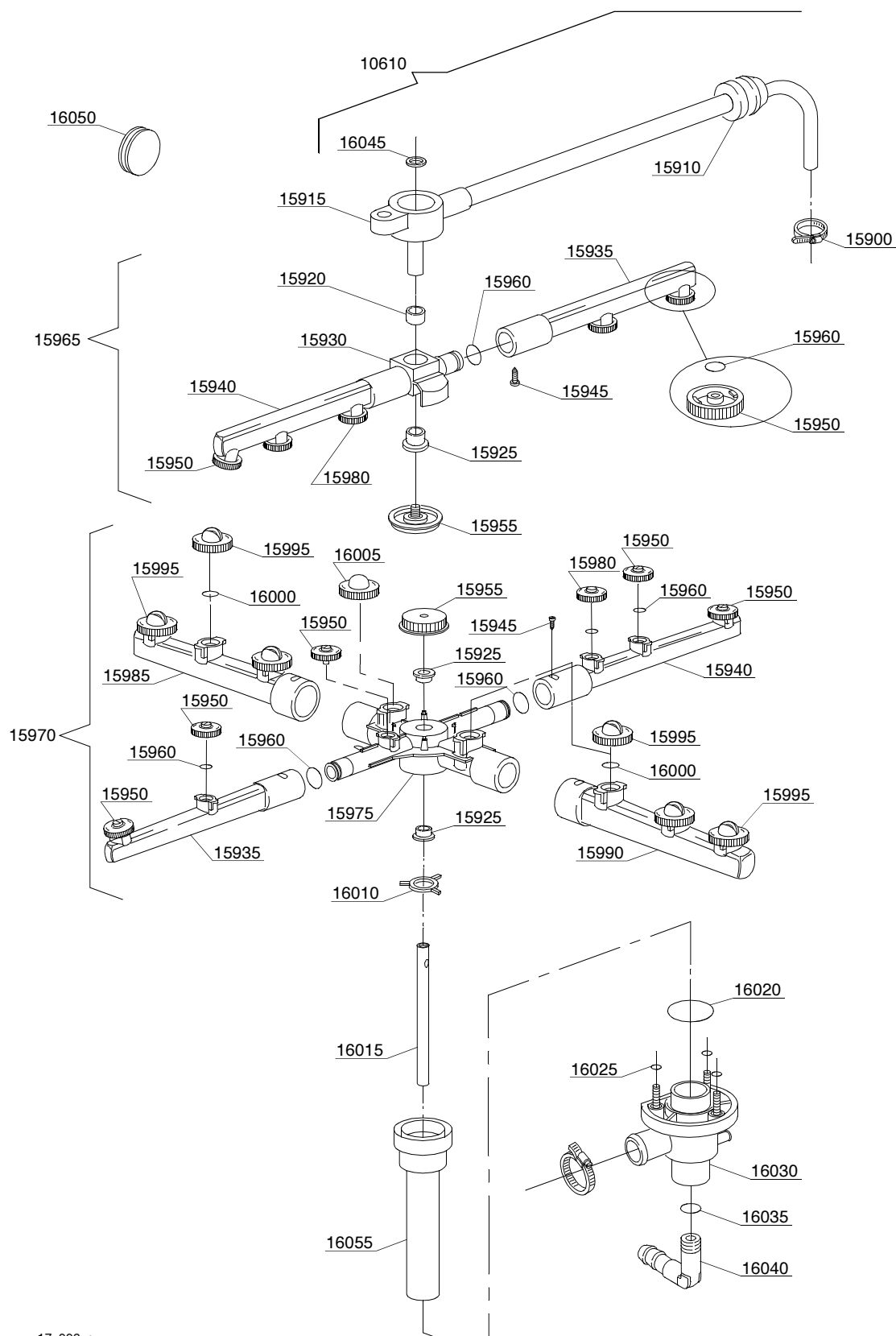
15_004_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Drain pump group						
2500	15101		4U	dp		Drain pump
2505	15101/D		4U	dp		Pipe fitting
2510	10727		4U	dp		Drain pipe
2515	10718		4U	dp		Drain coude/pump connection pipe



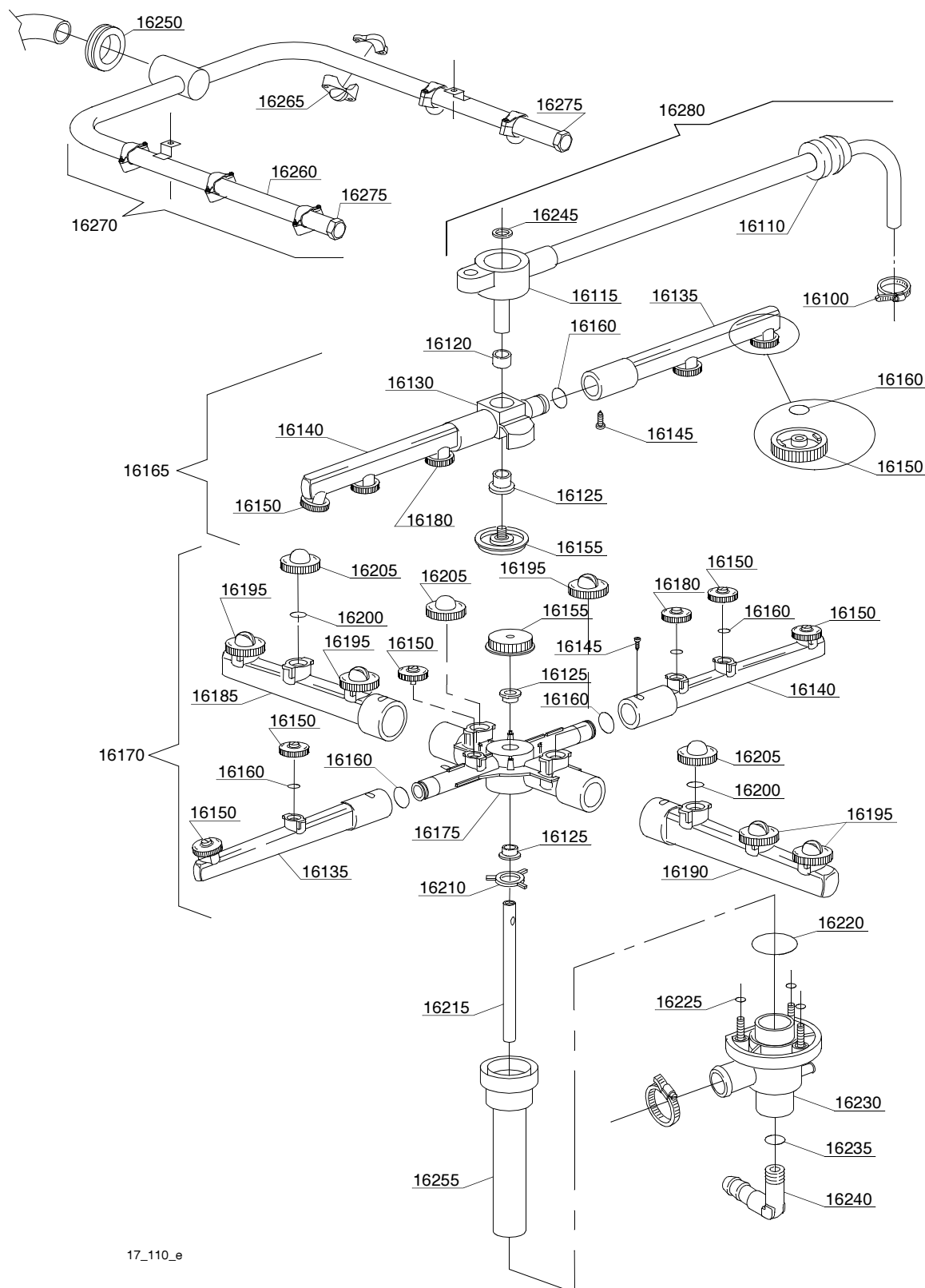
16_001_e

ID	P-code	Model	Type	Accessory	Voltage	Description
MODULE:Pressure switch group with air trap						
2100	10706/A		4U			47-27 pressure switch
2105	10911		4U			Air trap assembly
2110	13301		4U			Gasket
2115	11702		4U			M8 stainless steel nut



17 006 8

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17_110_e

[illegible]

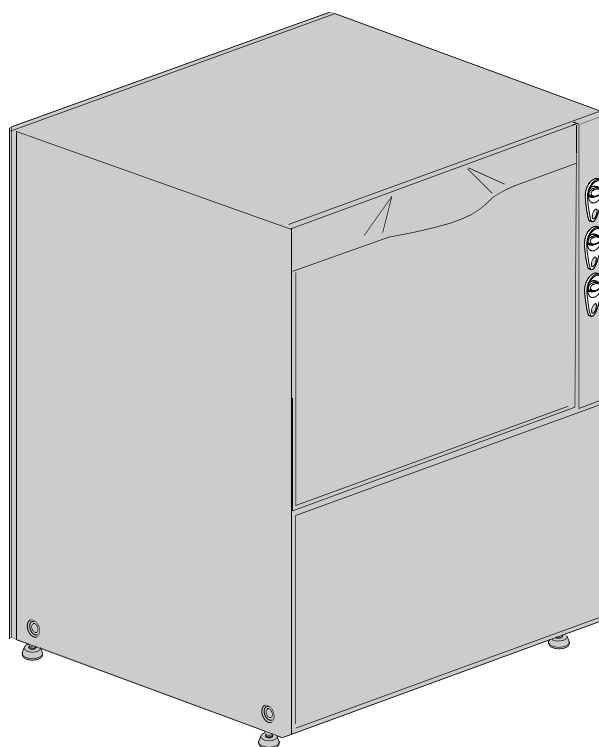
DISHWASHER

ELECTROMECHANICAL SWITCHES
LOWER WASHING
LOWER AND UPPER WASHING

TYPE: 4U

Accessories
COLD RINSE
WATER SOFTNER
DETERGENT DISPENSER

Spare Parts Manual



INFORMAZIONI GENERALI

Questo catalogo serve per richiedere con esattezza le parti di ricambio

Nelle ordinazioni indicare:

1) il numero dei codici dei particolari seguito dalla descrizione e la quantità desiderata;

2) Il codice alfa-numerico presente nella seconda colonna della tabella ;

I disegni delle parti di ricambio sono solo indicativi e non rappresentano il pezzo in oggetto.

I dati contenuti in questo catalogo sono indicativi e possono essere soggetti a modifiche senza impegno di preavviso.

ALLGEMEINE INFORMATIONEN

Dieser Ersatzteilkatalog dient zur genauen Angabe der Teile bei Ersatzteilbestellungen.

Bei Ersatzbestellung ist folgendes anzugeben:

1) Die Bestellnummer der Ersatzteile mit der entsprechenden Beschreibung genaue Menge;

2) Der alpha-numerischer Code auf der zweiten Reihe in dein Sculd;

Die Zeichnungen der Ersatzteile sind nur als Hinweise gedacht und stellen nicht das betroffene Teil dar.

Bei den im Katalog angeführten Daten handelt es sich um Anhaltsdaten, die jederzeit, ohne Vorankündigung, geändert werden können.

GENERAL INFORMATION

The present spare parts order exactly the right spare parts

When ordering specify:

1) the part's code number followed by its description and quantity needed;

2) The alpha-numeric code is in the second column in the chart;

Spare parts drawings are general and do not represent the part.

The contents of this catalogue are general and can undergo changes without prior notice.

INFORMACIONES GENERALES

El presente catálogo sirve para pedir con exactitud las partes de repuesto

En los pedidos se debe indicar:

1) el número de código de la parte y a continuación la descripción cantidad deseada;

2) El codigo alfanumerico presente en la segnada columna de la tabla;

Los diseños de las partes de recambio son solo indicativos y no representan la pieza en cuestión.

Los datos contenidos en el presente catálogo son indicativos y pueden modificarse sin aviso previo.

INFORMATIONS GENERALES

Ce catalogue permet de commander correctement les pièces detachées

Les commandes doivent être passées en indiquant:

1) le numero de code des pièces détachées suivi de leur description quantité désirée;

2) le code alphanumérique dans la deuxieme colonne du tableau;

Les plans des pièces détachées sont fournis seulement à titre indicatif et ne représentent pas la pièce concernée.

Les données de ce catalogue sont citées seulement à titre indicatif et peuvent être l'objet de modifications sans avis préalable.

ESEMPIO
EXAMPLE
EXEMPLE
BEISPIEL

2

Rif.	Codici
MODULE:Particolari	
10505	540903
10510	540908
10515	15065/A
10520	540086
10525	540028



Note

Tutte le informazioni riportate si intendono aggiornate alla data di stampa. Il Produttore si riserva il diritto di apportare qualsiasi modifica richiesta dallo sviluppo evolutivo dei suddetti prodotti.

Per la sicurezza ,la garanzia, l'affidabilità ed il valore della lavastoviglie usa solo ricambi originali. Per alcuni codici, sono richieste quantità minime d'ordine.



Attenzione

Questo libretto è parte integrante della lavastoviglie e, in caso di passaggio di proprietà, deve essere consegnato al nuovo acquirente.



Remarque

Toutes les informations contenues dans ce manuel s'entendent mises à jour à la date d'impression. En raison du développement constant de ses produits, usine se réserve le droit d'apporter à tout instant les modifications qu'elle jugera utiles.

Pour la sécurité, la garantie, la fiabilité et la valeur de votre lavevaisselles n'utilisez que des pièces de rechange d'origine. Pour quelque référence on demande un minimum de pièces par commande



Attention

Ce manuel doit être considéré comme partie intégrante de la la lavevaisselles, en cas de transfert de propriété, doit toujours être remis au nouveau propriétaire.



Note

The information contained herein is valid at the time of going to print. The Company reserves the right to make any changes required by the future development of the above-mentioned products.

For your safety, as well as to preserve the warranty reliability and worth of your dishwashers , use original spare parts only. For some codes a minimum quantity for order is required.



Warning

This manual forms an integral part of the dishwashers and - if a transfer of title occurs - must always be handed over to the new owner.



Hinweis

Die Der Hersteller behält sich das Recht vor, jegliche, durch eine Weiterentwicklung der genannten Produkte bedingte Änderungen vornehmen zu können.

Verwenden Sie für Ihre Sicherheit, die Garantie, die Zuverlässigkeit und den Wert Ihrer machine originale Ersatzteile. Für bestimmte Code nummer werden mindesten bestellungen verlangt.



Achtung

Diese Betriebsanleitung ist Bestandteile des machine und muss bei seinem Weiterverkauf dem neuen Besitzer ausgehändigt werden.



Code 999XXXXXX

CL/Part



Model DESCRIPTION

S/N 04012345 Type

400VAC3N 50HZ 8A

3500W 500W

 16A

IPX3



200-500

TECHICAL SPECIFICATION

Pressione Dinamica alimentazione idrica 200-500

Pression dynamique arrivée d'eau

Dynamic pressure water supply

Dynamischer Druck asserreinlauf

MADE IN ITALY

Pressione dinamica vapore saturo

Pression dynamique vapeur saturée

Dymanischer Druck gesättigter Dampf

Pression Dinamica Vapor Saturado

Temperatura massima acqua in ingresso 60°C

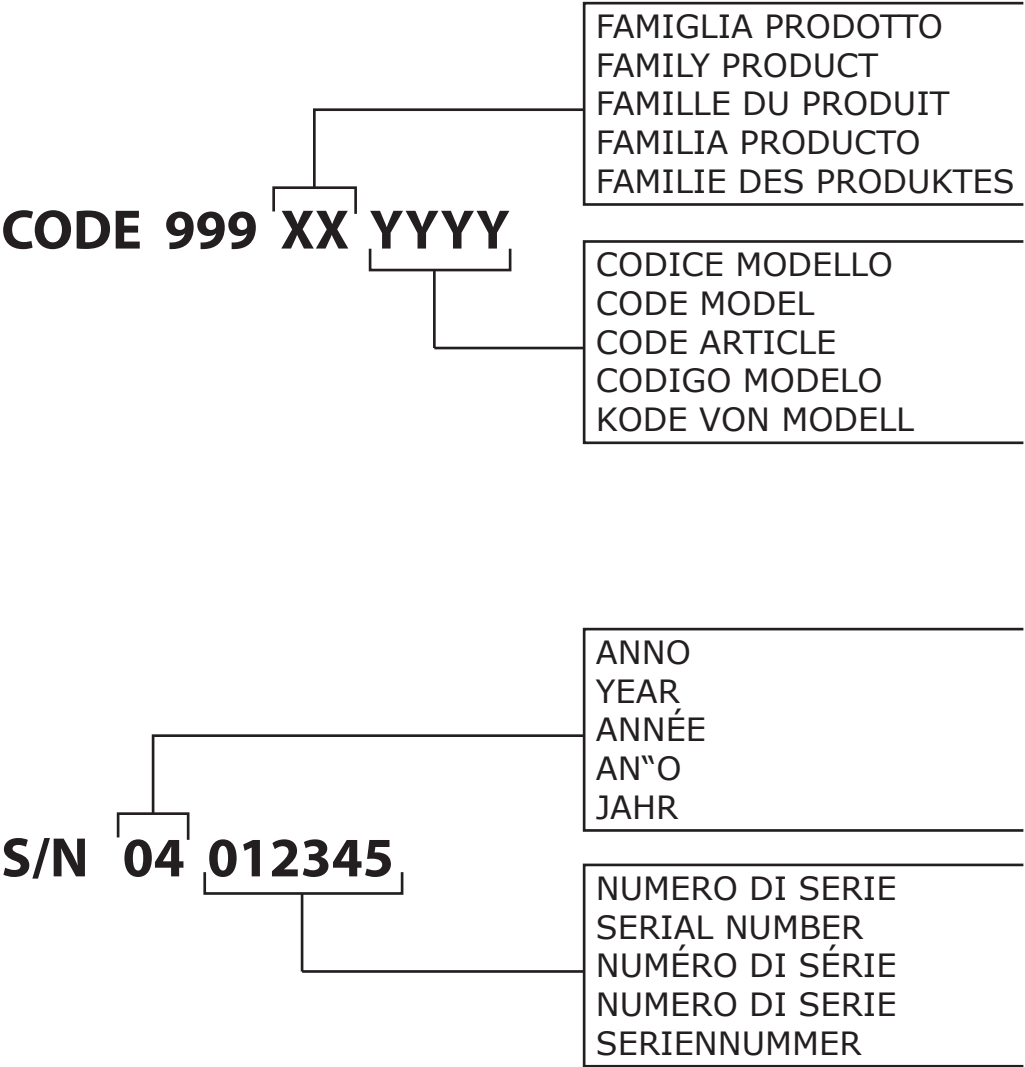
Temperature max eau a l'entre

Maximale Temperatur Wasseranschluß

Maximum Water temperature in-feeding

Model 

S/N 



1. Spare parts

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Lockup system	9
Control panel and switches.....	11
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Rinse aid dispenser group.....	23
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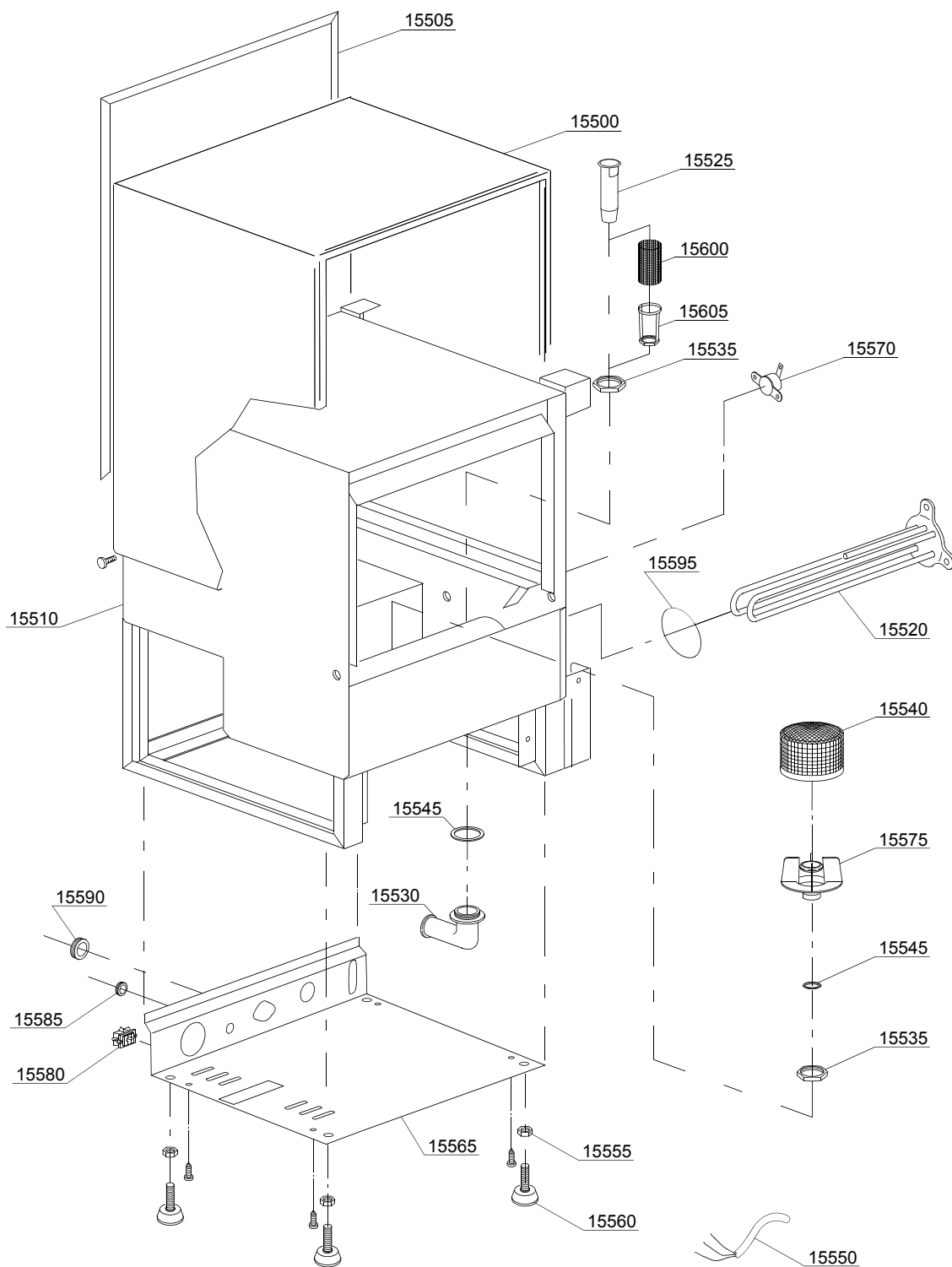
Turret group with rotating arms41

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
lw	LOWER WASHING
uw	LOWER AND UPPER WASHING
Type codes	
4U	4U
Accessory codes	
cr	COLD RINSE
ws	WATER SOFTNER
dd	DETERGENT DISPENSER



01_018_e

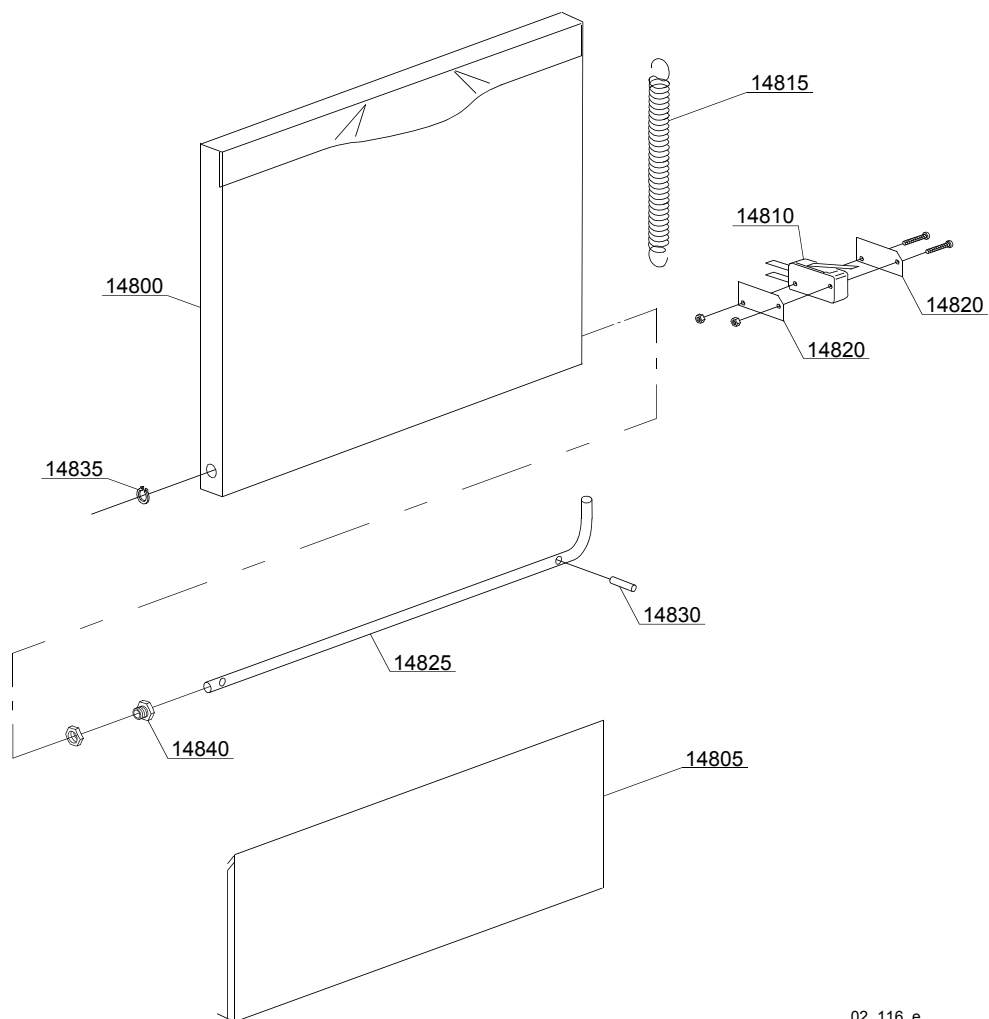
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:General body parts							
15500	18201		-				Cover
15505	18202		-	lw			Back panel
15505	18204		-	uw			Back panel
15510	18950		-				Body
15510	18950/A		-		ws		Body
15520	18206		-				2,4/2,61KW 230/240V heating element
15525	10725		-				Overflow pipe
15530	10701		-				Drain elbow
15535	11701/A		-				Stainless steel nut
15540	540002		-				Filter for top body
15545	13305		-				44x32x3 O-ring (minimum 5 pieces)
15550	10713		-				3x2,5x2500 cable
15555	11711		-				M10 zinc plated nut (minimum 20 pieces)
15560	10786		-				M10x25 Ø40 black foot (minimum 4 pieces)
15565	18209		-	lw			End piece protection
15565	18210		-	uw			End piece protection
15570	15550		-				Safety thermostat
15580	15065/A		-				Cable-fastener with screw
15585	13323		-				Ø13mm lead through rubber (minimum 2 pieces)
15590	13317		-				Ø40mm lead through rubber (minimum 2 pieces)
15595	13010		-				OR O-ring (minimum 5 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



02_116_e

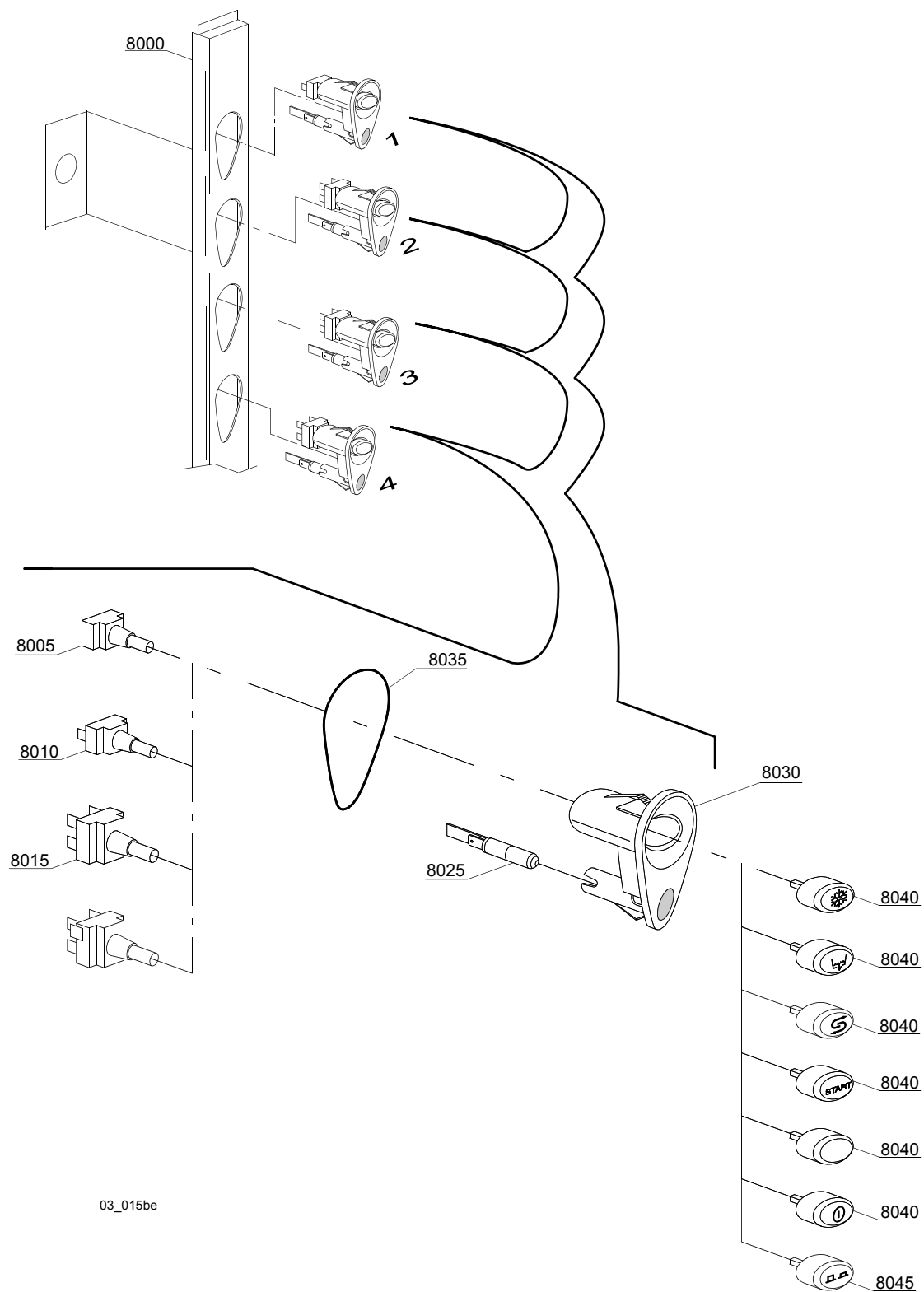
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Lockup system							
14800	18960		-				Door with stainless steel handle
14805	18203		-				Lower door
14810	10704		-				Door microswitch
14815	10700/B		-				Spring
14820	10770		-				Insulation for door microswitch (minimum 3 pieces)
14825	18136		-				Rod door
14830	11170		-				M5x25 grub-screw (minimum 2 pieces)
14835	11815		-				Ø8 stainless steel snap ring (minimum 5 pieces)
14840	11835		-				Brass bush with nut

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



Spare parts

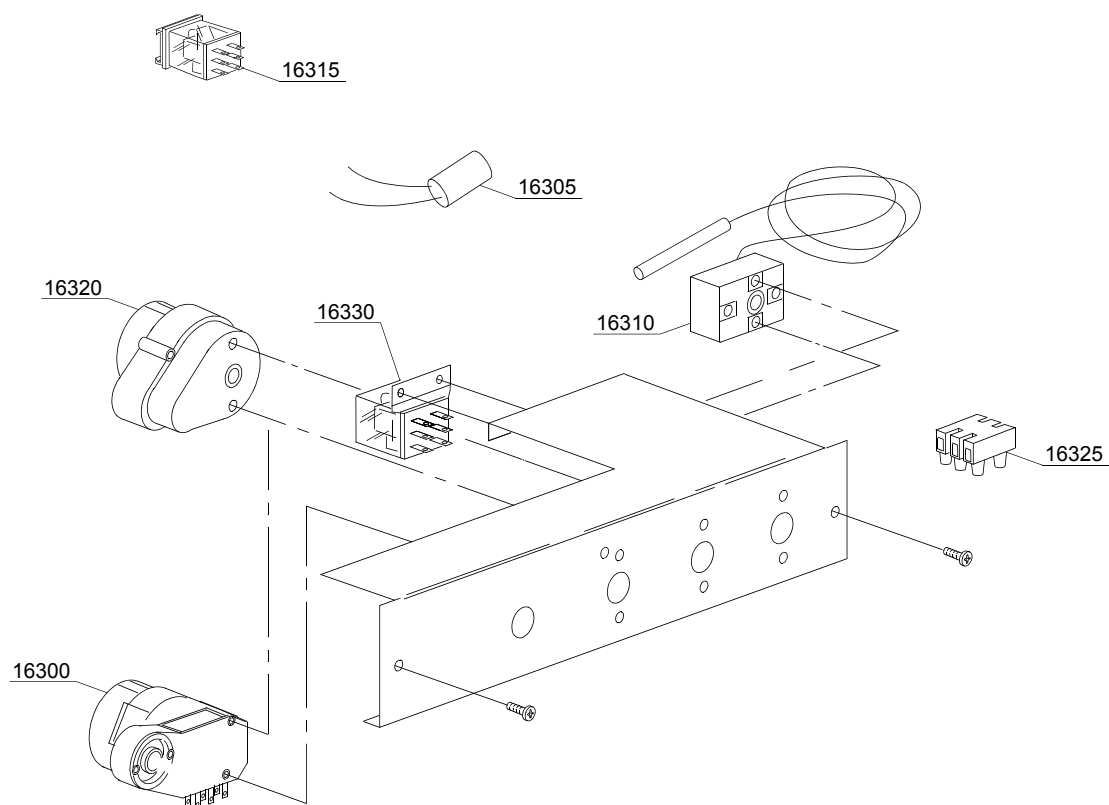
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Control panel and switches							
8000	18944		-	em			Control panel
8005	15844		-	em			Push button support
8010	15813		-	em			16A unipolar switch
8015	15812		-	em			16A switch
8020	15811		-	em			16A bipolar switch
8025	15826		-	em			Pilot light
8030	89300		-	em			Push button support
8035	89332		-	em			OR O-ring (minimum 10 pieces)
8040	89344		-	em	cr		Hot/cold push button
8040	89341		-	em			Start push button
8040	89348		-	em			Blind push button
8040	89340		-	em			ON-OFF push button
8040	89345		-	em	ws		Regeneration push button

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



04_016_e

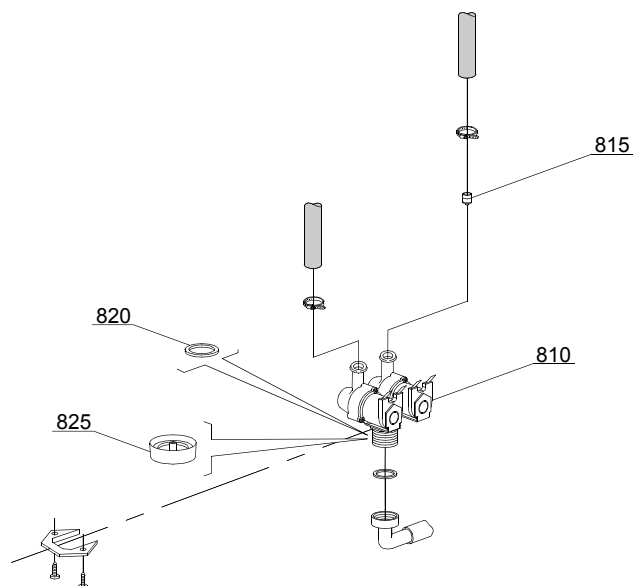
Spare parts

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Electric control components							
16300	10708/L		-			A	120" timer - 230Vac 50Hz
16300	10708/B		-				120" timer - 220Vac 60Hz
16305	15146		-				Low noise filter
16310	10707/1		-				0-90°C thermostat
16315	16047		-		ws		Tripolar relay 16A - 230Vac 50/60 Hz
16320	16064/A		-		ws		Regeneration timer
16325	15065		-				Terminal board

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING
4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



05_003_e

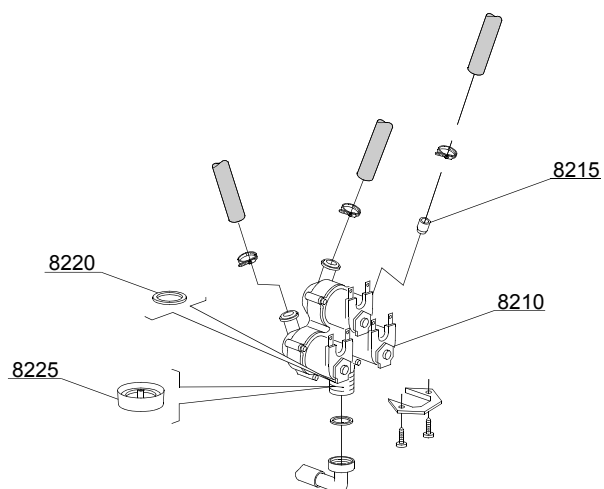
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Solenoid valve group							
810	15098		-	em	cr,ws		Double solenoid valve - Ø10 - 220Vac
815	15115		-	em	cr,ws		Green pression solenoid valve (minimum 2 pieces)
820	N.C.		-	em	cr,ws		Pression reducing valve

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



05_004_e

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Solenoid valve group							
8210	15099		-		cr,ws		Triple solenoid valve
8215	15115		-		cr,ws		Green pression solenoid valve (minimum 2 pieces)
8220	N.C.		-		cr,ws		Pression reducing valve

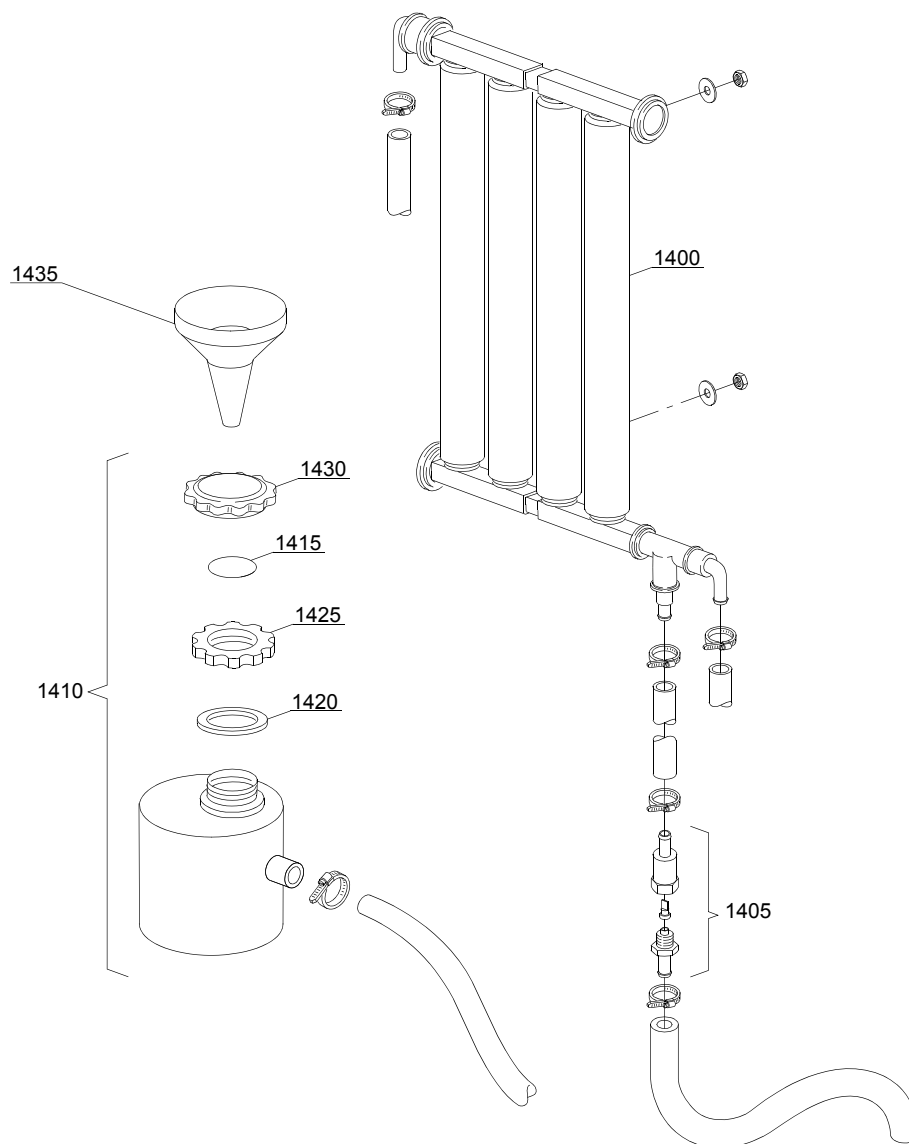
em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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

09_001_e



ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Water softner group							
1400	16066		-		ws		4 elements water softner
1405	16070		-		ws		Nonreturn valve
1410	16065		-		ws		Salt container
1415	16067/A		-		ws		OR O-ring
1420	16067/B		-		ws		O-ring
1425	16067/C		-		ws		Ring nut
1430	16067/D		-		ws		Plug
1435	16082		-		ws		Funnel

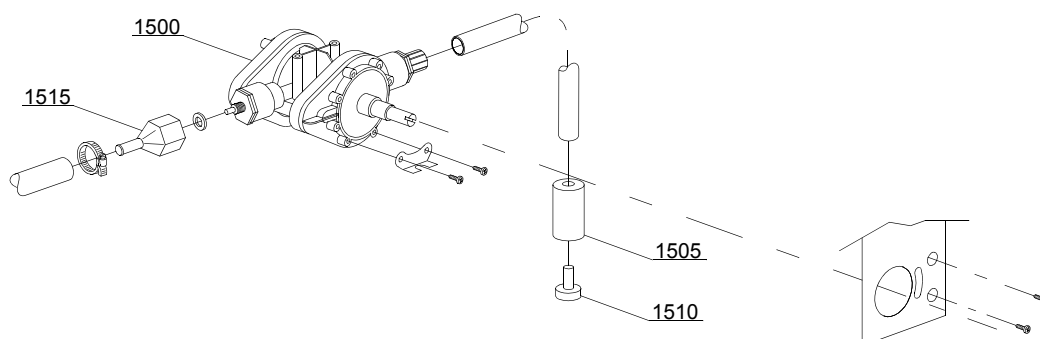
em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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

10_002_e



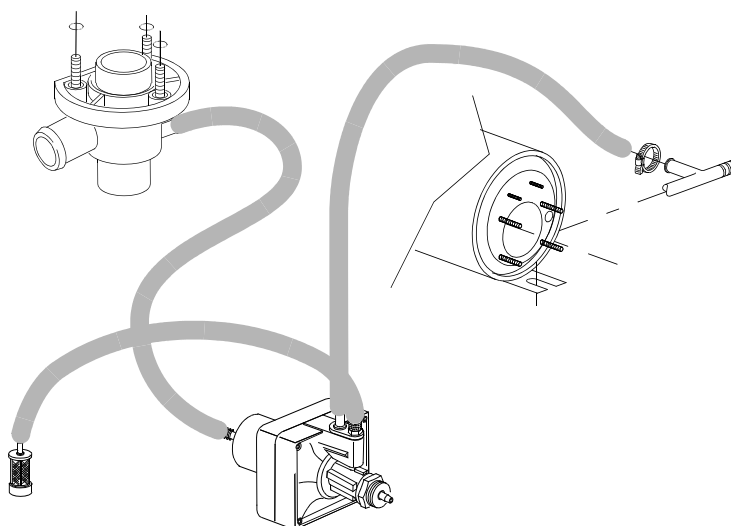
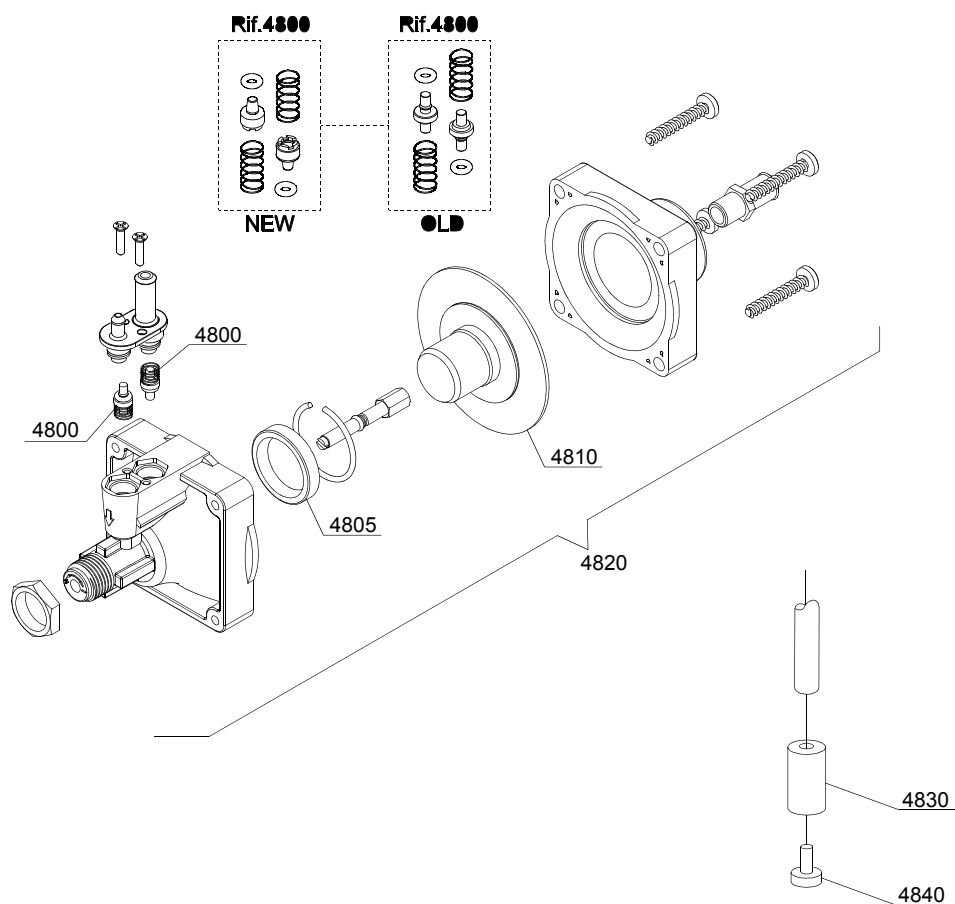
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Rinse aid dispenser group							
1500	10798		-				Rinse aid dispenser
1505	12525		-				Counter-weight
1510	15058		-				Small filter (minimum 3 pieces)
1515	10798/B		-				Brass pipe fitting

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



10_004_e

Spare parts

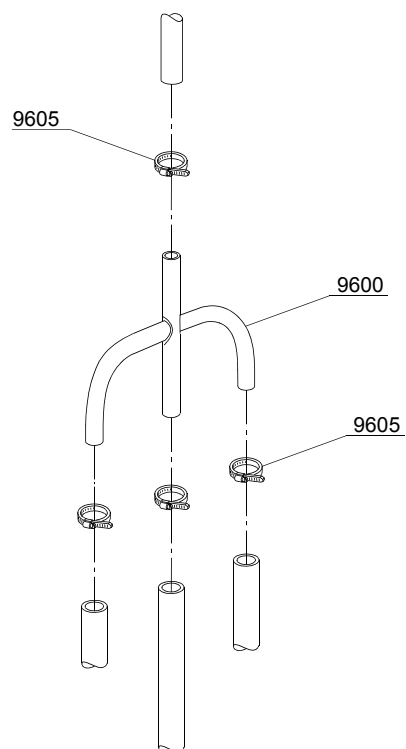
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Rinse aid dispenser group							
4800	10805		-				Tecnopro non return valve
4805	10806		-				Ø22 O-ring
4810	10807		-				Membrane
4820	10799		-				Rinse aid dispenser
4830	12525		-				Counter-weight
4840	15058		-				Small filter (minimum 3 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



12_004_e

Spare parts

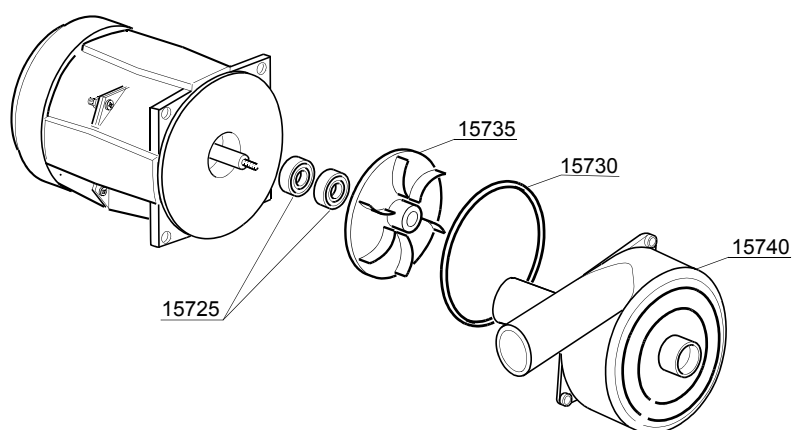
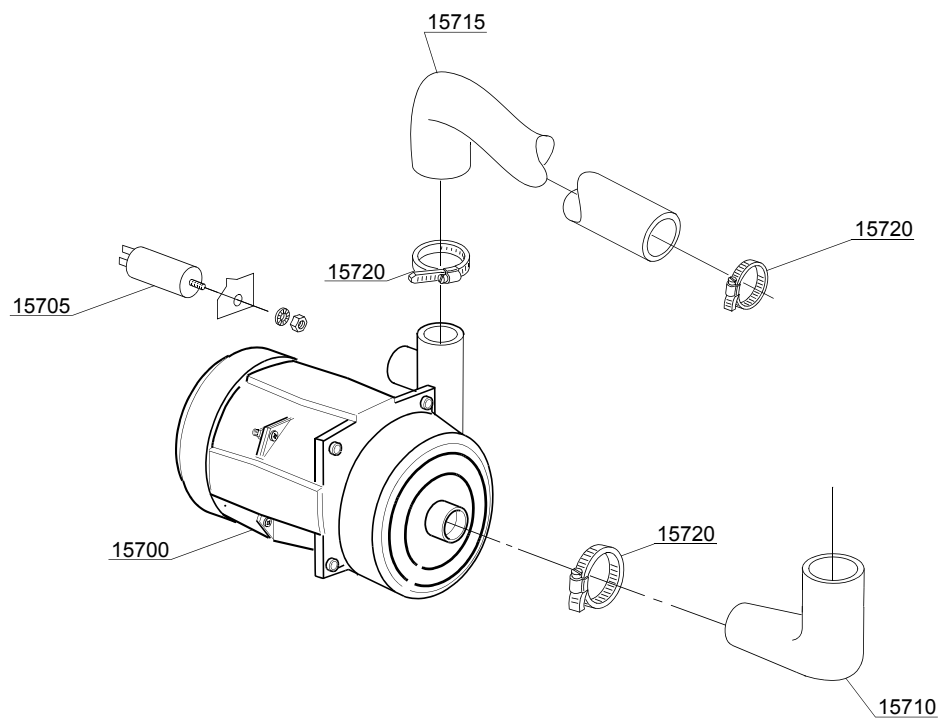
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:4 ways connection							
9600	15151		-	em	cr		Ø10 mm 4 ways connection
9605	11807		-	em	cr		12/22 clamp (minimum 3 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



13_006_e

Spare parts

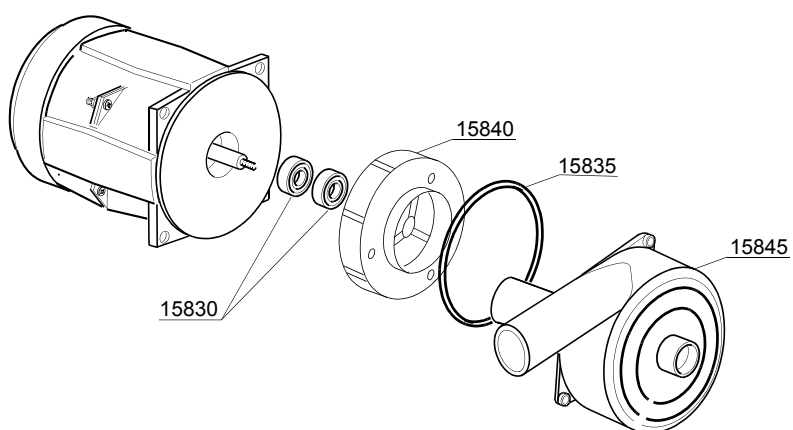
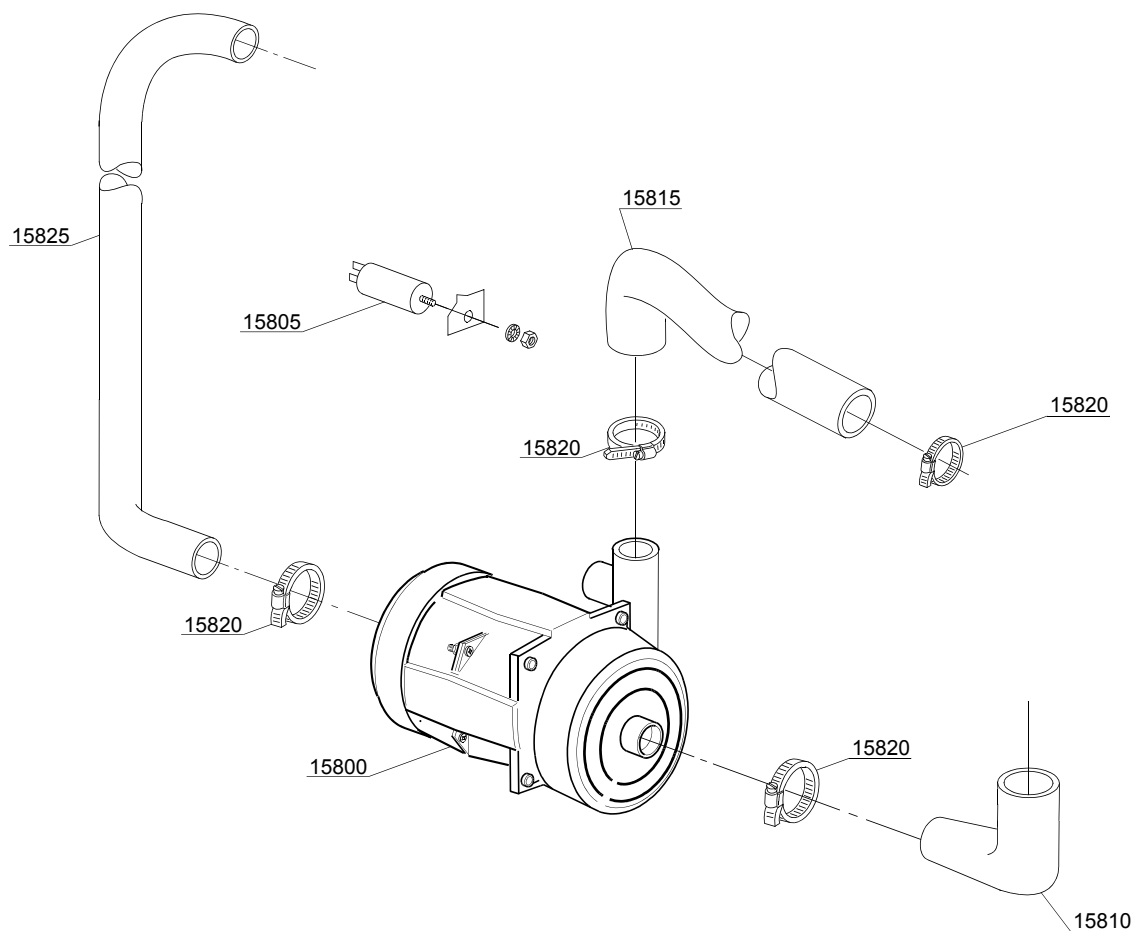
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Wash pump							
15700	18243		-	lw			0,33Hp wash pump
15700	18243/A		-	lw			0,33Hp wash pump - 220VAc 60Hz
15705	18043		-	lw			10 uF condenser
15710	18787		-	lw			Suction pipe coupling
15715	18788		-	lw			Drain rubber elbow
15720	11806		-	lw			25/40 clamp (minimum 2 pieces)
15725	15080		-	lw			Rotating seals
15730	18245		-	lw			OR O-ring
15735	18246		-	lw			Pump rotor
15740	18247		-	lw			Scroll
15740	18248		-	lw			Scroll

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



13_112_e

Spare parts

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Wash pump							
15800	18242		-	uw			0,30Hp wash pump - 230V
15800	18242/D		-	uw			0,30Hp wash pump - 220V 60Hz
15805	18043		-	uw			10 uF condenser
15810	18787		-	uw			Suction pipe coupling
15815	18788		-	uw			Drain rubber elbow
15820	11806		-	uw			25/40 clamp (minimum 2 pieces)
15825	18044		-	uw			Ø28 top wash pipe
15830	15080		-	uw			Rotating seals
15835	18245		-	uw			OR O-ring
15840	18246		-	uw			Pump rotor
15845	18247		-	uw			Scroll

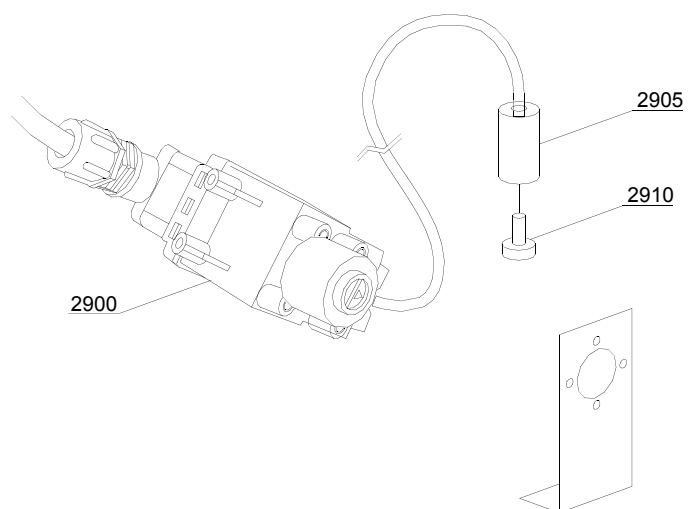
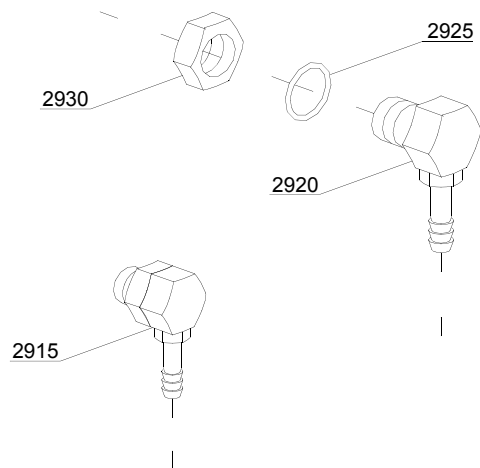
em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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

14_002_e



Spare parts

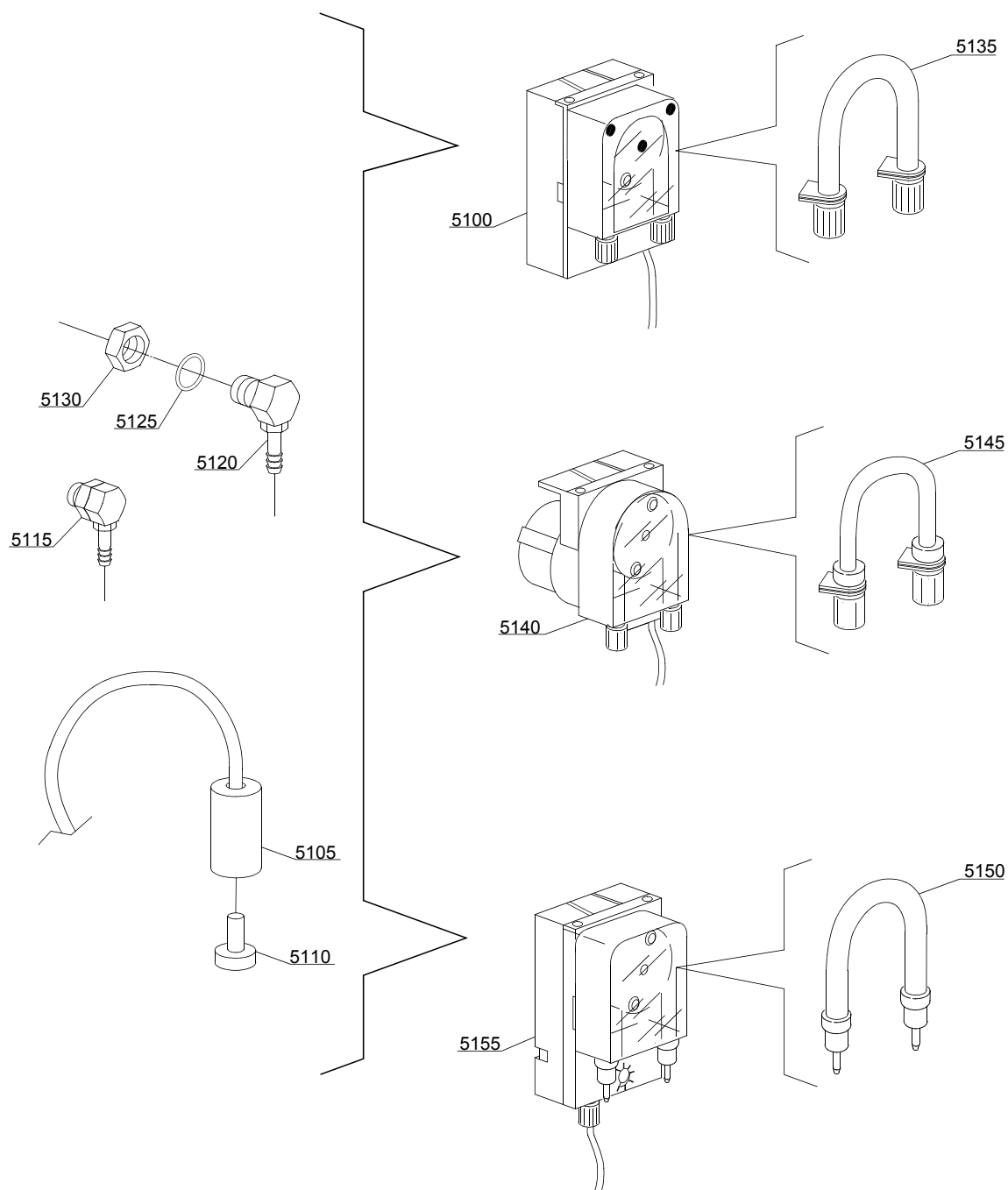
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Dosing detergent group							
2900	15108/L		-	em	dd		Lang detergent pump
2905	12525		-	em	dd		Counter-weight
2910	15058		-	em	dd		Small filter (minimum 3 pieces)
2915	15123		-	em	dd		Compleat plastic injector
2920	15148		-	em	dd		Steel injector
2925	15159		-	em	dd		OR O-ring (minimum 2 pieces)
2930	10200205		-	em	dd		M12x1 stainless steel nut (minimum 2 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



14_004_e

Spare parts

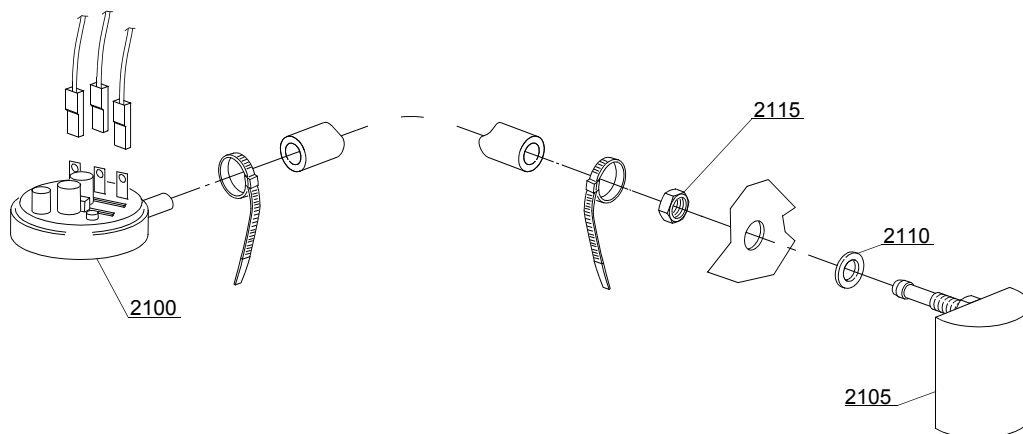
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Dosing detergent group							
5100	15985		-	em	dd		Seko detergent pump
5105	12525		-	em	dd		Counter-weight
5110	15058		-	em	dd		Small filter (minimum 3 pieces)
5115	15123		-	em	dd		Compleat plastic injector
5120	15148		-	em	dd		Steel injector
5125	15159		-	em	dd		OR O-ring (minimum 2 pieces)
5130	10200205		-	em	dd		M12x1 stainless steel nut (minimum 2 pieces)
5135	15185		-	em	dd		Seko thermoplastic pipe
5140	15985		-	em	dd		Germac detergent pump
5145	15108/E		-	em	dd		Germac thermoplastic pipe
5150	15985/A			em	dd		Plas Cont thermoplastic pipe
5155	15985			em	dd		Plas Cont detergent pump

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



16_001_e

Spare parts

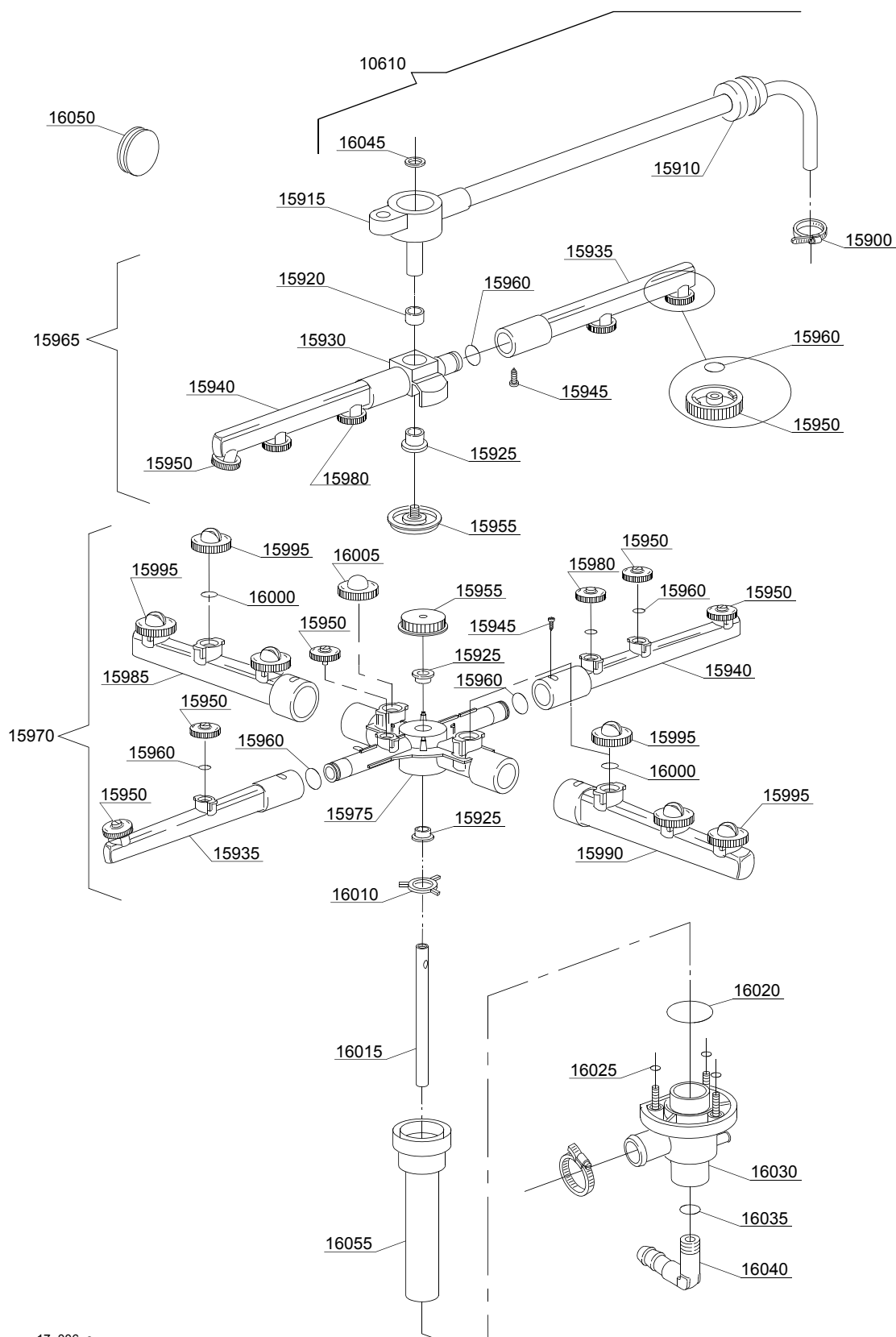
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Pressure switch group with air trap							
2100	10706/A		-	em			47-27 pressure switch
2105	135911	4020618	-	em			Air trap assembly
2110	13301		-	em			O-ring (minimum 10 pieces)
2115	11702		-	em			M8 stainless steel nut (minimum 10 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



17 006 A

Spare parts

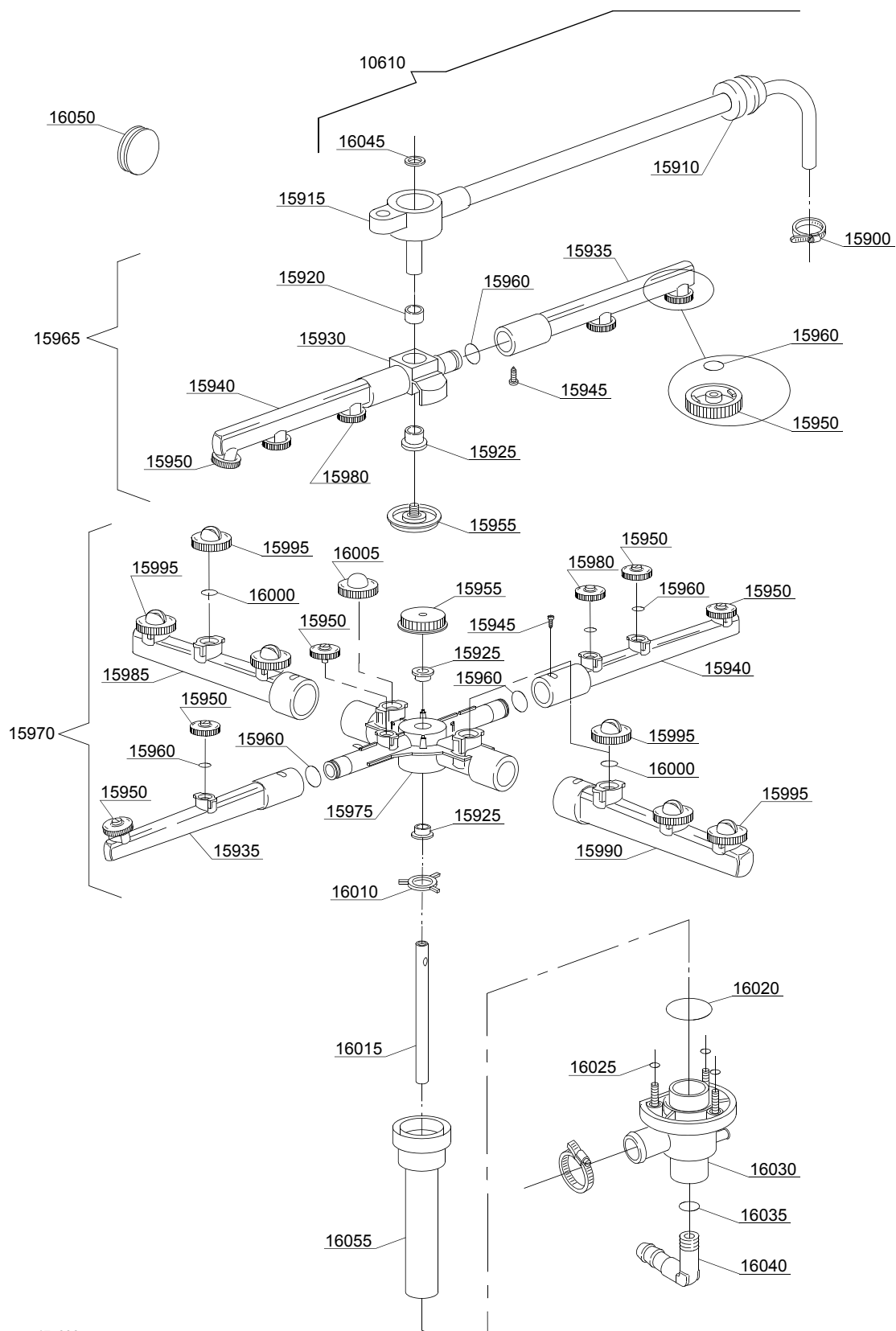
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
15900	11807		-	lw			12/22 clamp (minimum 3 pieces)
15910	13304		-	lw			Pipe-pass O-ring
15920	13320		-	lw			Sliding washer (minimum 3 pieces)
15925	13319		-	lw			Sliding washer (minimum 2 pieces)
15930	10359		-	lw			Rinse rotor
15935	10360		-	lw			Right rinse pipe
15940	10361		-	lw			Left rinse pipe
15945	11004		-	lw			4x10 TCB Ø8 spax toothed screw
15950	12537		-	lw			Opened head rinse nozzle (minimum 5 pieces)
15955	10365		-	lw			Handle with insert
15960	13002		-	lw			OR R6 NBR O-ring (minimum 10 pieces)
15975	10364		-	lw			Wash rotor
15980	12538		-	lw			Closed head rinse nozzle (minimum 3 pieces)
15985	10355		-	lw			Right wash pipe
15990	10356		-	lw			Left wash pipe
15995	10357		-	lw			Opened head wash nozzle (minimum 2 pieces)
16000	13009		-	lw			OR 2050 NBR O-ring (minimum 40 pieces)
16005	10358		-	lw			Closed head wash nozzle (minimum 3 pieces)
16010	10203		-	lw			Guide pipe
16015	18510		-	lw			Rinse axle
16020	13000		-	lw			OR 3125 NBR O-ring (minimum 5 pieces)
16025	13001		-	lw			OR 104 NBR O-ring (minimum 10 pieces)
16030	10205/A		-	lw			Lower wash turret with hole
16035	13003		-	lw			OR 112 NBR O-ring (minimum 10 pieces)
16040	12030		-	lw			3/8M Ø12 elbow pipe fitting
16045	11610		-	lw			Copper washer (minimum 10 pieces)
16050	13316		-	lw			43x10 blind O-ring
16055	18250/A		-	lw			Bell-shape assembly with pipe coupling

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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



Spare parts

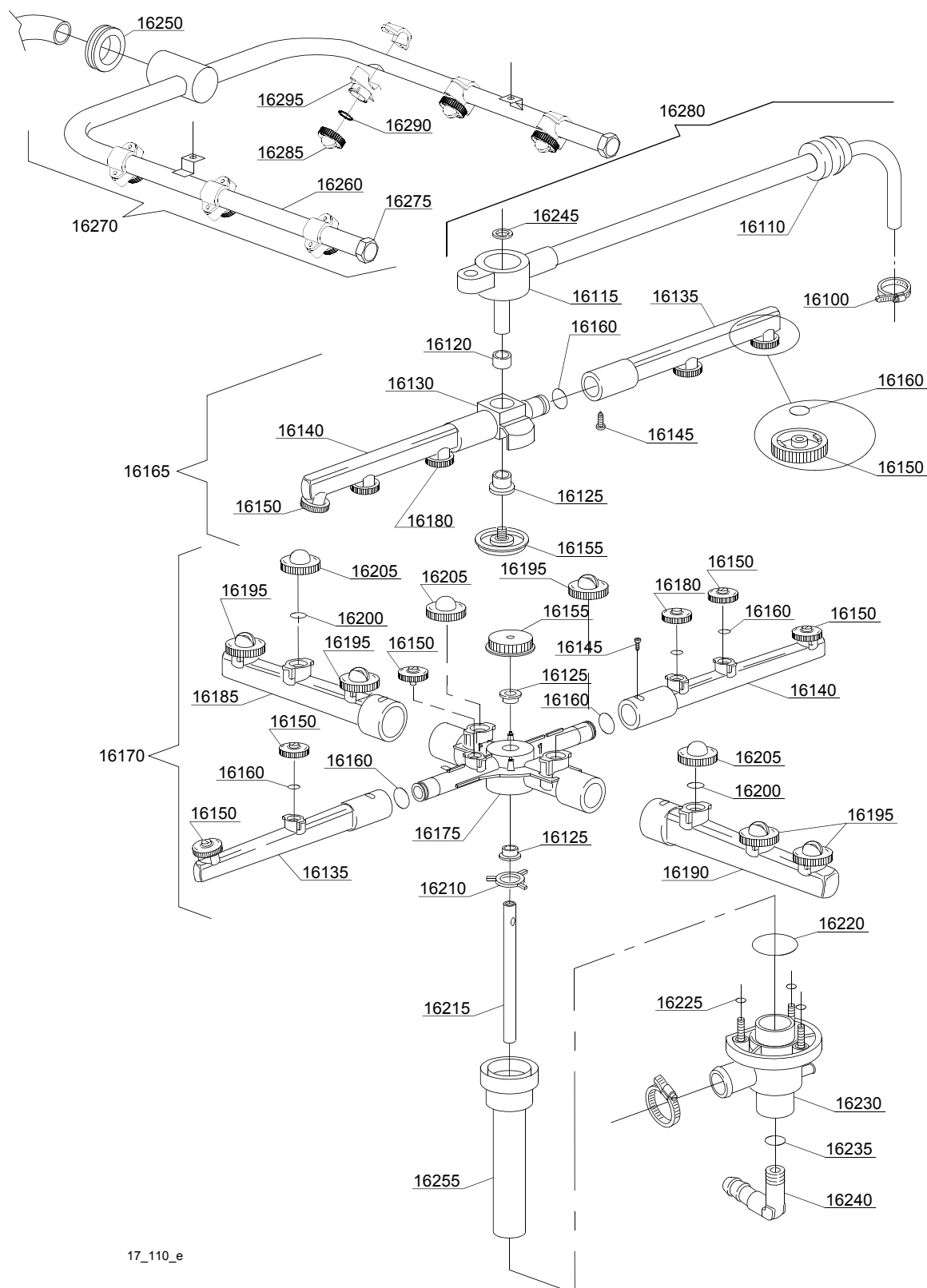
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
16060	10993		-	lw			Top rinse turret group

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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_110_e

Spare parts

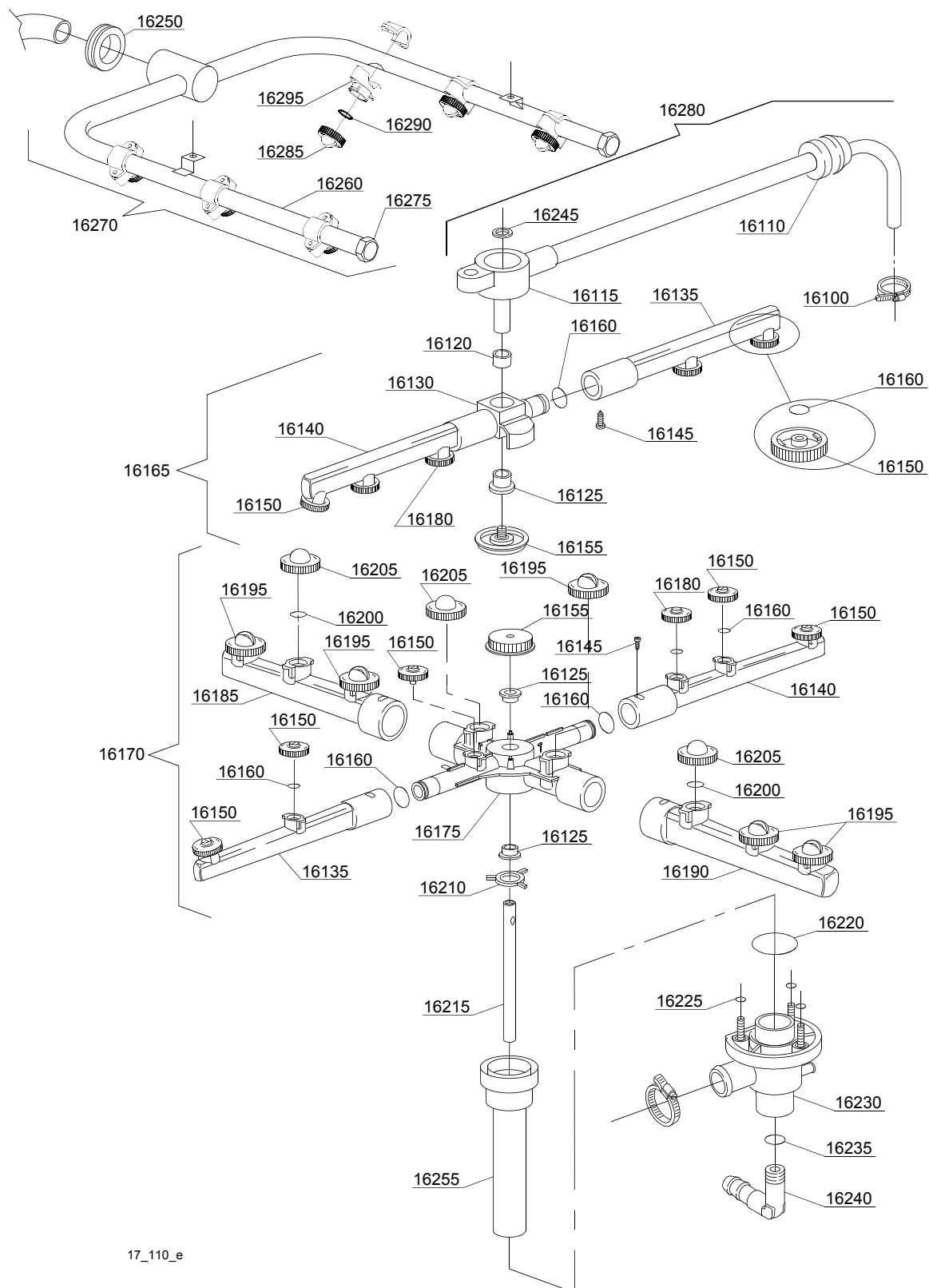
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
16100	11807		-	uw			12/22 clamp (minimum 3 pieces)
16110	13304		-	uw			Pipe-pass O-ring
16120	13320		-	uw			Sliding washer (minimum 3 pieces)
16125	13319		-	uw			Sliding washer (minimum 2 pieces)
16130	10359		-	uw			Rinse rotor
16135	10360		-	uw			Right rinse pipe
16140	10361		-	uw			Left rinse pipe
16145	11004		-	uw			4x10 TCB Ø8 spax toothed screw
16150	12537		-	uw			Opened head rinse nozzle (minimum 5 pieces)
16155	10365		-	uw			Handle with insert
16160	13002		-	uw			OR R6 NBR O-ring (minimum 10 pieces)
16175	10364		-	uw			Wash rotor
16180	12538		-	uw			Closed head rinse nozzle (minimum 3 pieces)
16185	10355		-	uw			Right wash pipe
16190	10356		-	uw			Left wash pipe
16195	10366		-	uw			1,9 opened head wash nozzle (minimum 2 pieces)
16200	13009		-	uw			OR 2050 NBR O-ring (minimum 40 pieces)
16205	10358		-	uw			Closed head wash nozzle (minimum 3 pieces)
16210	10203		-	uw			Guide pipe
16215	18510		-	uw			Rinse axle
16220	13000		-	uw			OR 3125 NBR O-ring (minimum 5 pieces)
16225	13001		-	uw			OR 104 NBR O-ring (minimum 10 pieces)
16230	10205/A		-	uw			Lower wash turret with hole
16235	13003		-	uw			OR 112 NBR O-ring (minimum 10 pieces)
16240	12030		-	uw			3/8M Ø12 elbow pipe fitting
16245	11610		-	uw			Copper washer (minimum 10 pieces)
16250	13306/A		-	uw			Top wash ramp O-ring
16255	18250/A		-	uw			Bell-shape assembly with pipe coupling

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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_110_e

Spare parts

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
16260	18134		-	uw			Top wash pipe
16265	18135		-	uw			Wash nozzle
16270	16920		-	uw			Top wash group
16275	12503		-	uw			Plug
16280	10993		-	uw			Top rinse turret group

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER

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

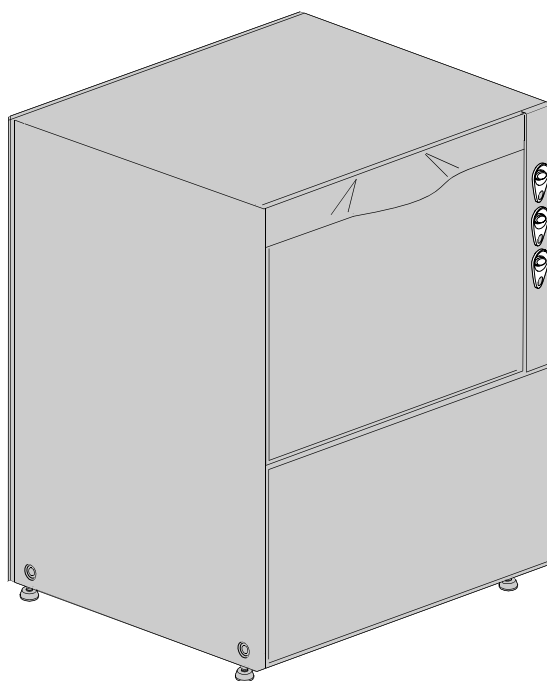
DISHWASHER

ELECTROMECHANICAL SWITCHES
LOWER WASHING
LOWER AND UPPER WASHING

TYPE: 4U

Accessories
COLD RINSE
WATER SOFTNER
DETERGENT DISPENSER
DRAIN PUMP

Spare Parts Manual



1. Spare parts

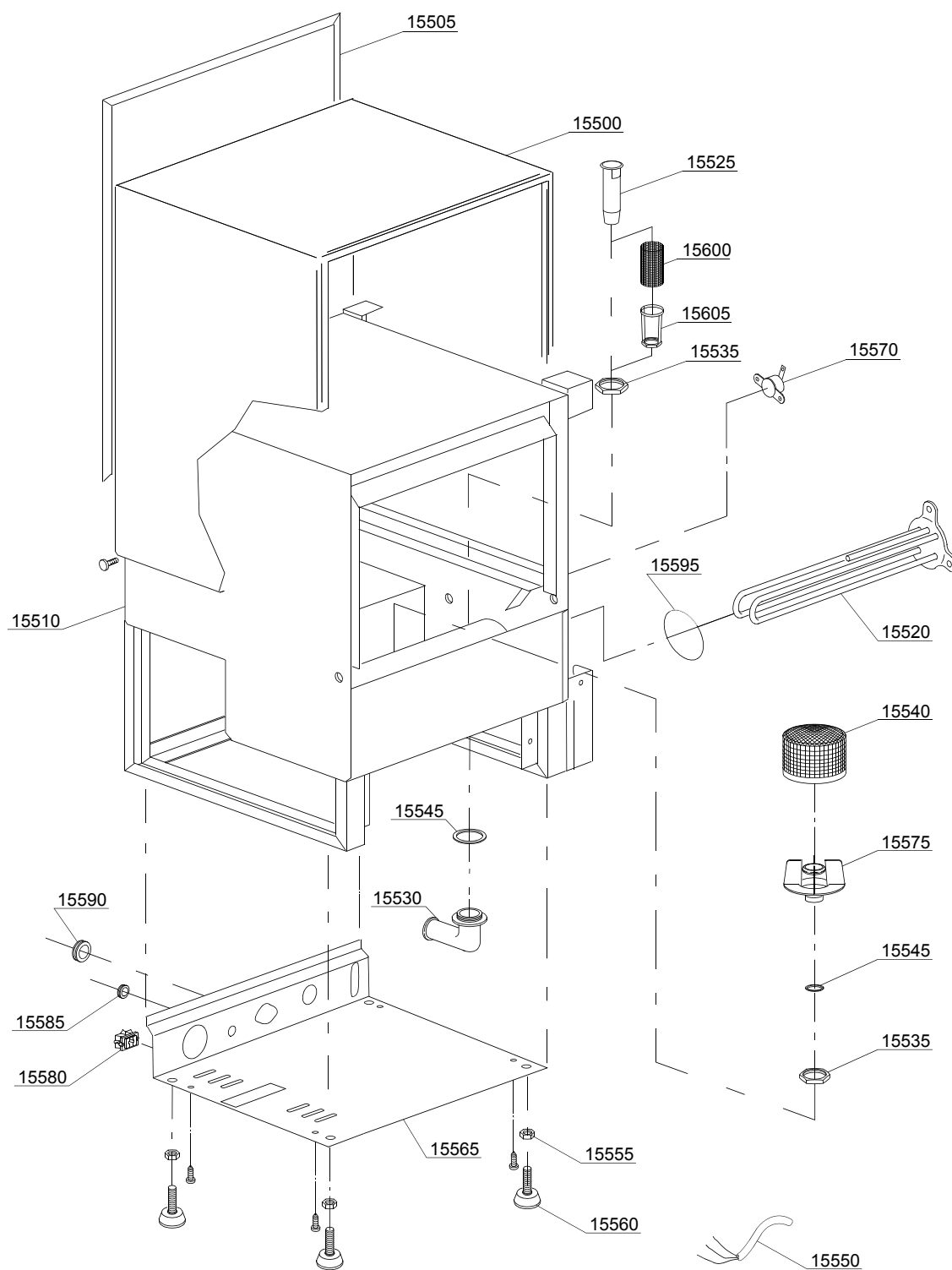
General body parts.....	7
Lockup system	9
Control panel and switches.....	11
Solenoid valve group	13
Solenoid valve group	15
Water softner group.....	17
Rinse aid dispenser group.....	19
4 ways connection	21
Wash pump	23
Wash pump	25
Dosing detergent group.....	27
Drain pump group.....	29
Pressure switch group with air trap ...	31
Turret group with rotating arms	33
Turret group with rotating arms	37

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
lw	LOWER WASHING
uw	LOWER AND UPPER WASHING
Type codes	
4U	4U
Accessory codes	
cr	COLD RINSE
ws	WATER SOFTNER
dd	DETERGENT DISPENSER
dp	DRAIN PUMP



01_018_e

Spare parts

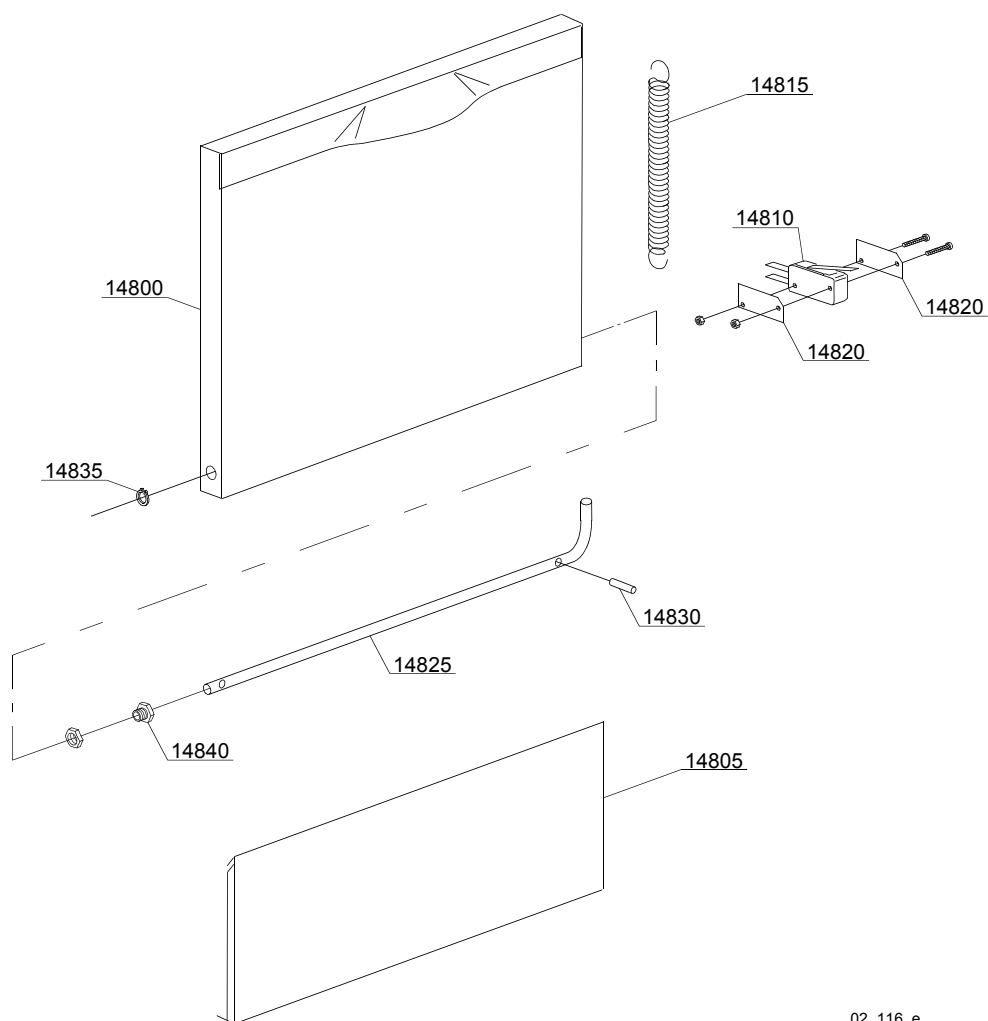
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:General body parts							
15500	18201		-				Cover
15505	18202		-	lw			Back panel
15505	18204		-	uw			Back panel
15510	18950		-				Body
15510	18950/A		-		ws		Body
15520	18206		-				2,4/2,61KW 230/240V heating element
15525	10725		-				Overflow pipe
15530	10701		-				Drain elbow
15535	11701/A		-				Stainless steel nut
15540	540002		-				Pump filter
15545	13305		-				44x32x3 O-ring (minimum 5 pieces)
15550	10713		-				3x2,5x2500 cable
15555	11711		-				M10 zinc plated nut (minimum 20 pieces)
15560	10786		-				M10x25 Ø40 black foot (minimum 4 pieces)
15565	18209		-	lw			End piece protection
15565	18210		-	uw			End piece protection
15570	15550		-				Safety thermostat
15575	540000/A		-				Top filter body
15580	15065/A		-				Cable-fastener with screw
15585	13323		-				D.13mm dosing pipe pass (minimum 2 pieces)
15590	13317		-				D.40mm unloading pipe pass (minimum 2 pieces)
15595	13010		-				OR O-ring (minimum 5 pieces)
15600	440751		-		dp		Drain pump stainless steel filter
15605	11701/B		-		dp		Stainless steel nut

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



02_116_e

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Lockup system							
14800	18960		-				Door with stainless steel handle
14805	18203		-				Lower door
14810	10704		-				Door microswitch
14815	10700/B		-				Spring
14820	10770		-				Insulation for door microswitch (minimum 3 pieces)
14825	18136		-				Rod door
14830	11170		-				M5x25 grub-screw (minimum 2 pieces)
14835	11815		-				Ø8 stainless steel snap ring (minimum 5 pieces)
14840	11835		-				Brass bush with nut

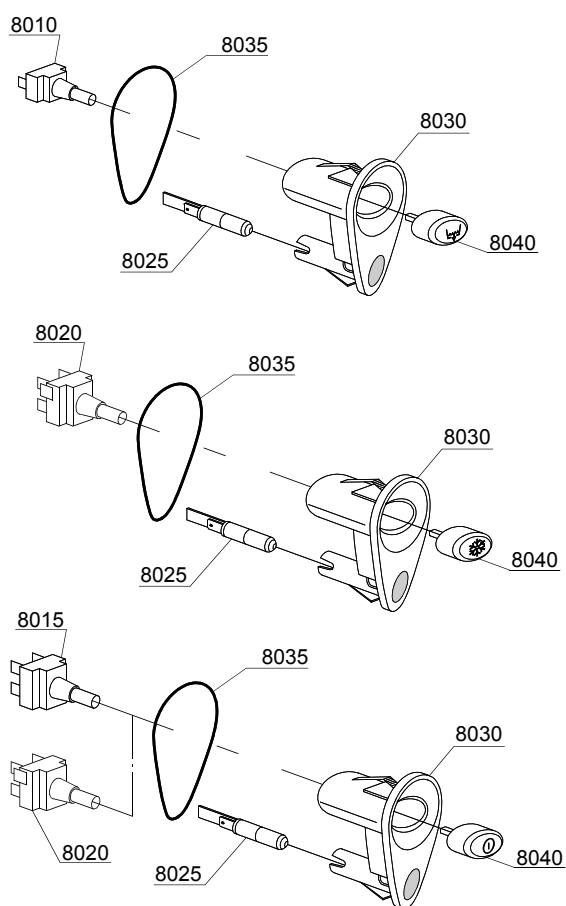
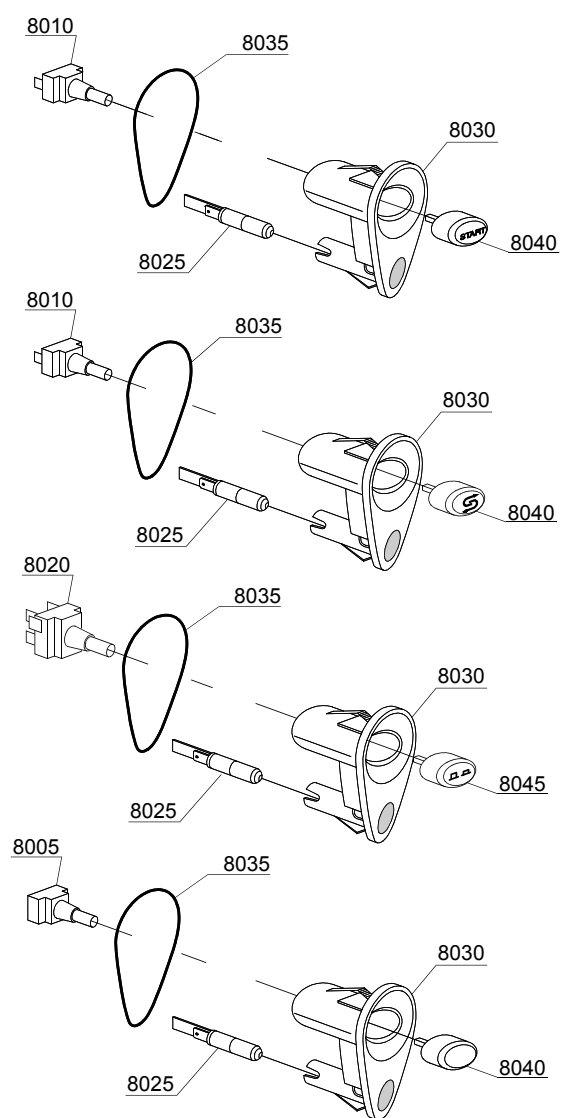
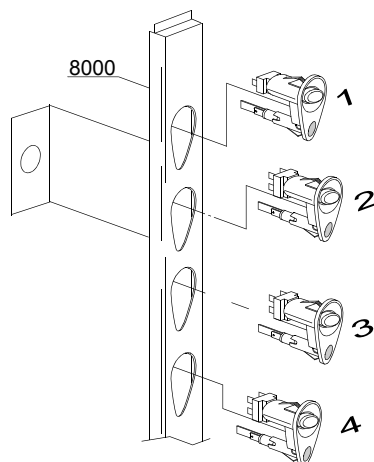
em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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

03_015be



Spare parts

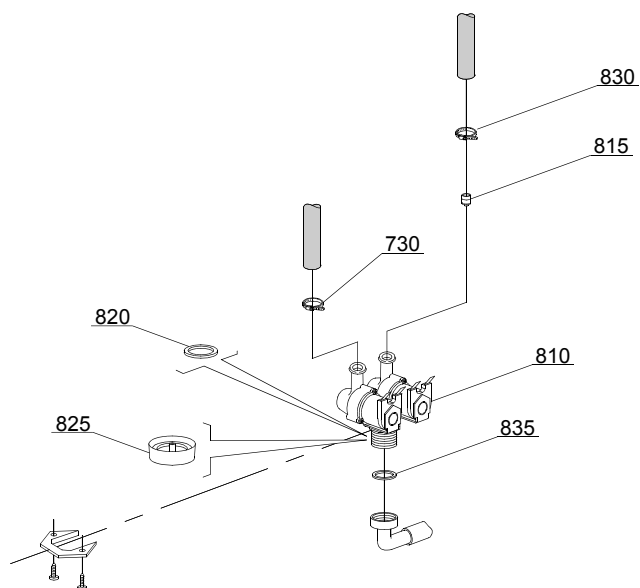
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Control panel and switches							
8000	18944		-	em			Control panel
8005	15844		-	em			Push button support
8010	15813		-	em			16A unipolar switch
8015	15812		-	em			16A switch
8020	15811		-	em			16A bipolar switch
8025	15826		-	em			Pilot light 220V
8030	89300		-	em			Push button support
8035	89332		-	em			OR O-ring (minimum 10 pieces)
8040	89344		-	em	cr		Hot/cold push button
8040	89343		-	em	dp		Drain pump push button
8040	89341		-	em			Start push button
8040	89348		-	em			Blind push button
8040	89340		-	em			ON-OFF push button
8040	89345		-	em	ws		Regeneration push button

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



05_003_€

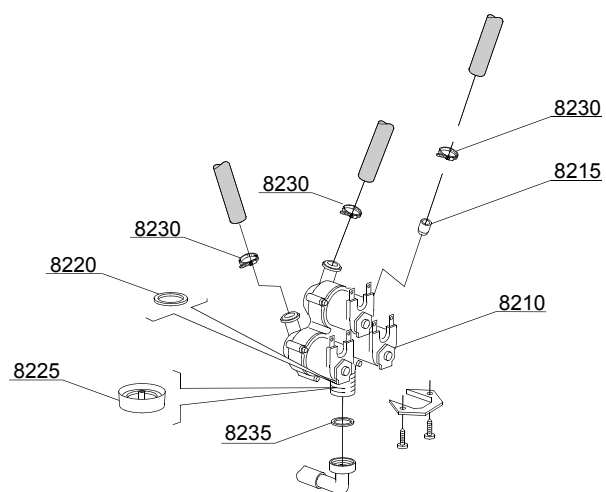
Spare parts

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Solenoid valve group							
810	15098		-	em	cr,ws		Double solenoid valve - Ø10 - 230Vac
815	15115		-	em	cr,ws		Green pression solenoid valve for regeneration (minimum 2 pieces)
820	N.C.		-	em	cr,ws		Pression reducing valve
830	11807		-	em			12/22 clamp (minimum 3 pieces)
835	13307		-	em			3/4 gasket

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING
4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



05_004_€

Spare parts

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Solenoid valve group							
8210	15099		-		cr,ws		Triple solenoid valve
8215	15115		-		cr,ws		Green pression solenoid valve (minimum 2 pieces)
8220	N.C.		-		cr,ws		Pression reducing valve
8230	11807		-	em			12/22 clamp (minimum 3 pieces)
8235	13307		-	em			3/4 gasket

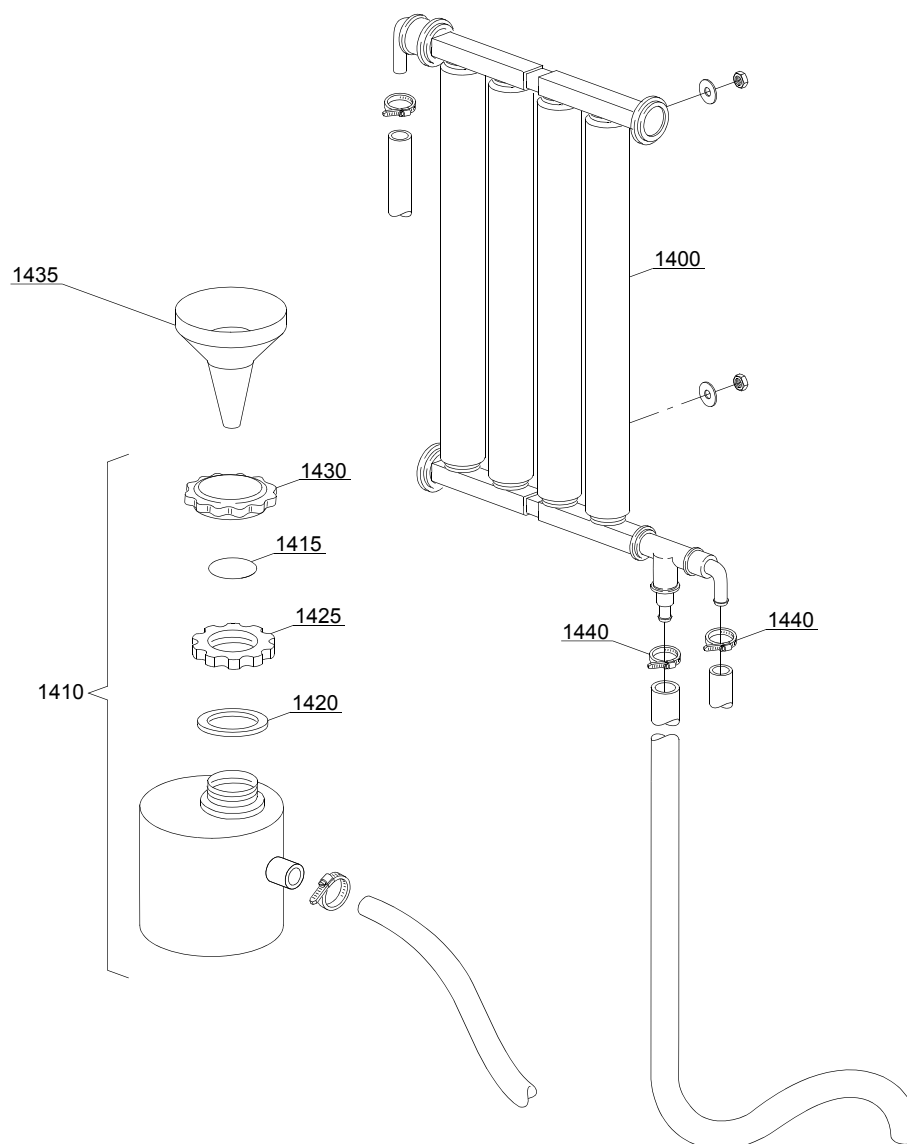
em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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

09_001_e



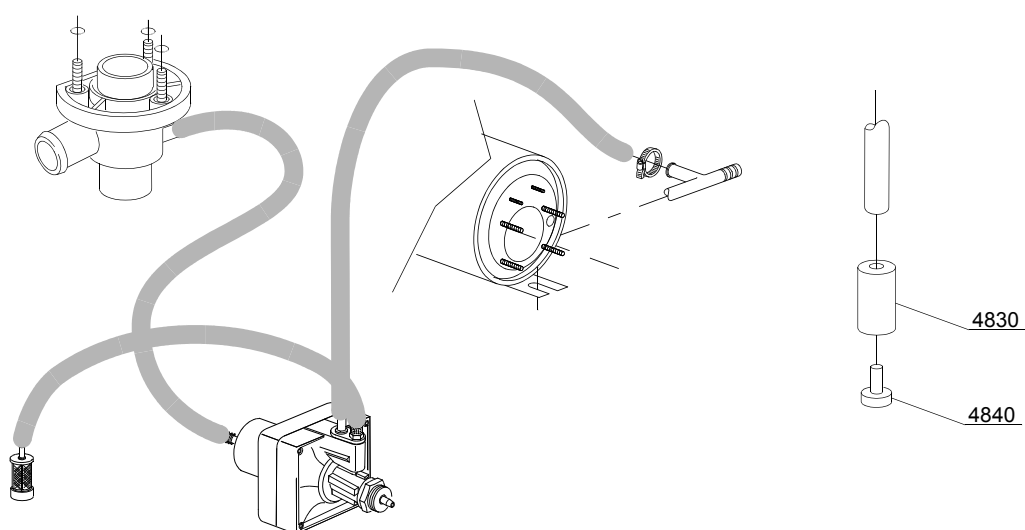
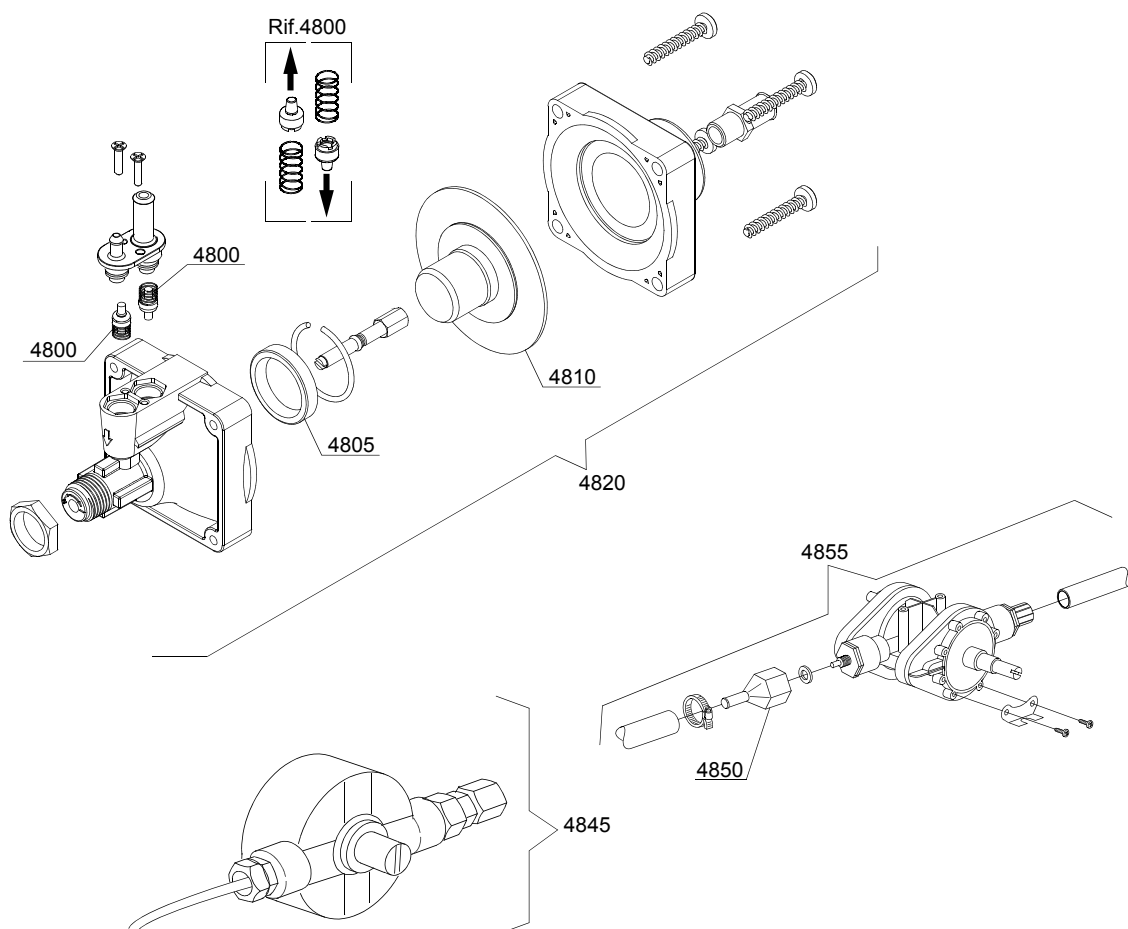
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Water softner group							
1400	16066		-	em	ws		4 elements water softner
1410	16065		-	em	ws		Salt container
1415	16067/A		-	em	ws		OR O-ring
1420	16067/B		-	em	ws		O-ring
1425	16067/C		-	em	ws		Ring nut
1430	16067/D		-	em	ws		Plug
1435	16082		-	em	ws		Funnel
1440	11807		-	em	ws		12/22 clamp (minimum 3 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



10_004_e

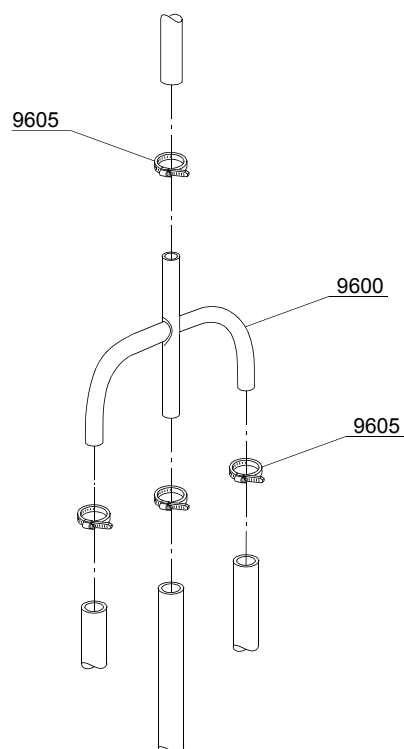
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Rinse aid dispenser group							
4800	10805		-	em			Tecnopro non return valve
4805	10806		-	em			Ø22 O-ring
4810	10807		-	em			Membrane
4820	10799		-	em			TECNO PRO rinse aid dispenser
4830	12525		-	em			Ballast
4840	15058		-	em			Small filter (minimum 3 pieces)
4845	10799		-	em			GERMAC rinse aid dispenser
4850	10798/B		-	em			Brass pipe fitting
4855	10798		-	em			Rinse aid dispenser

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



12_004_e

Spare parts

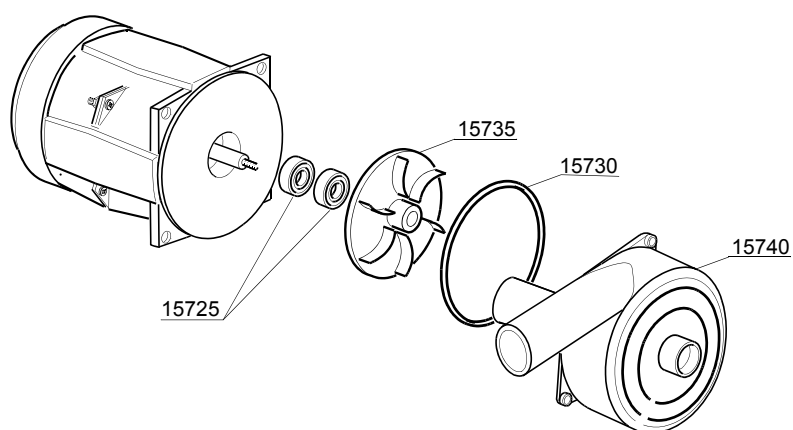
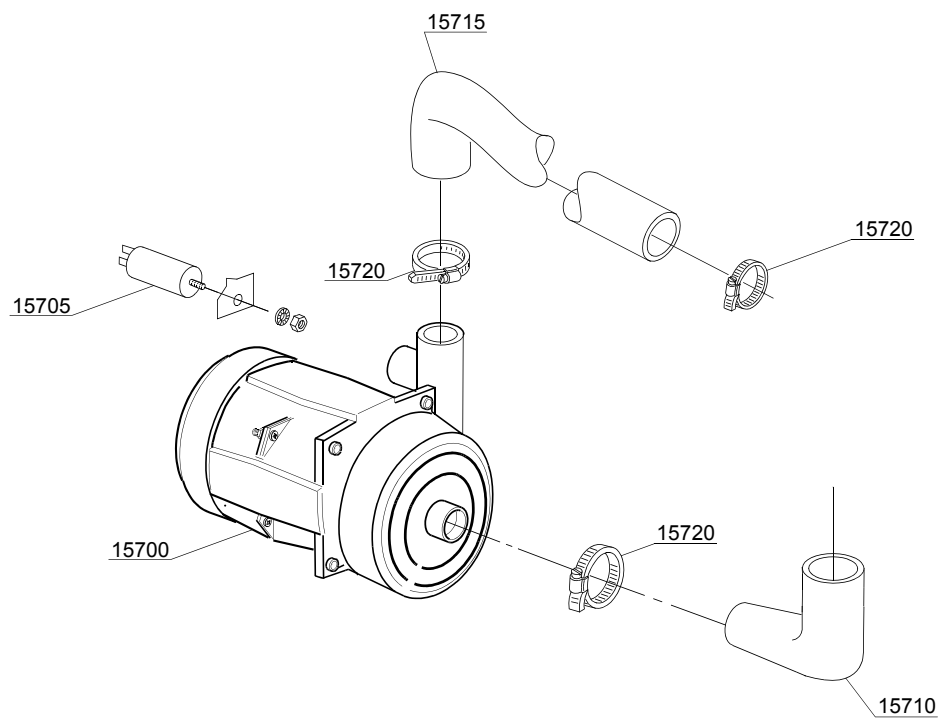
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:4 ways connection							
9600	15151		-	em	cr		Ø10 mm 4 ways connection
9605	11807		-	em	cr		12/22 clamp (minimum 3 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



13_006_e

Spare parts

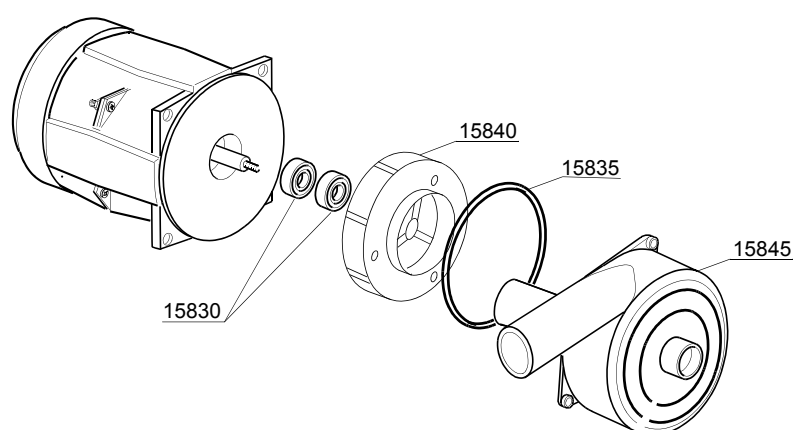
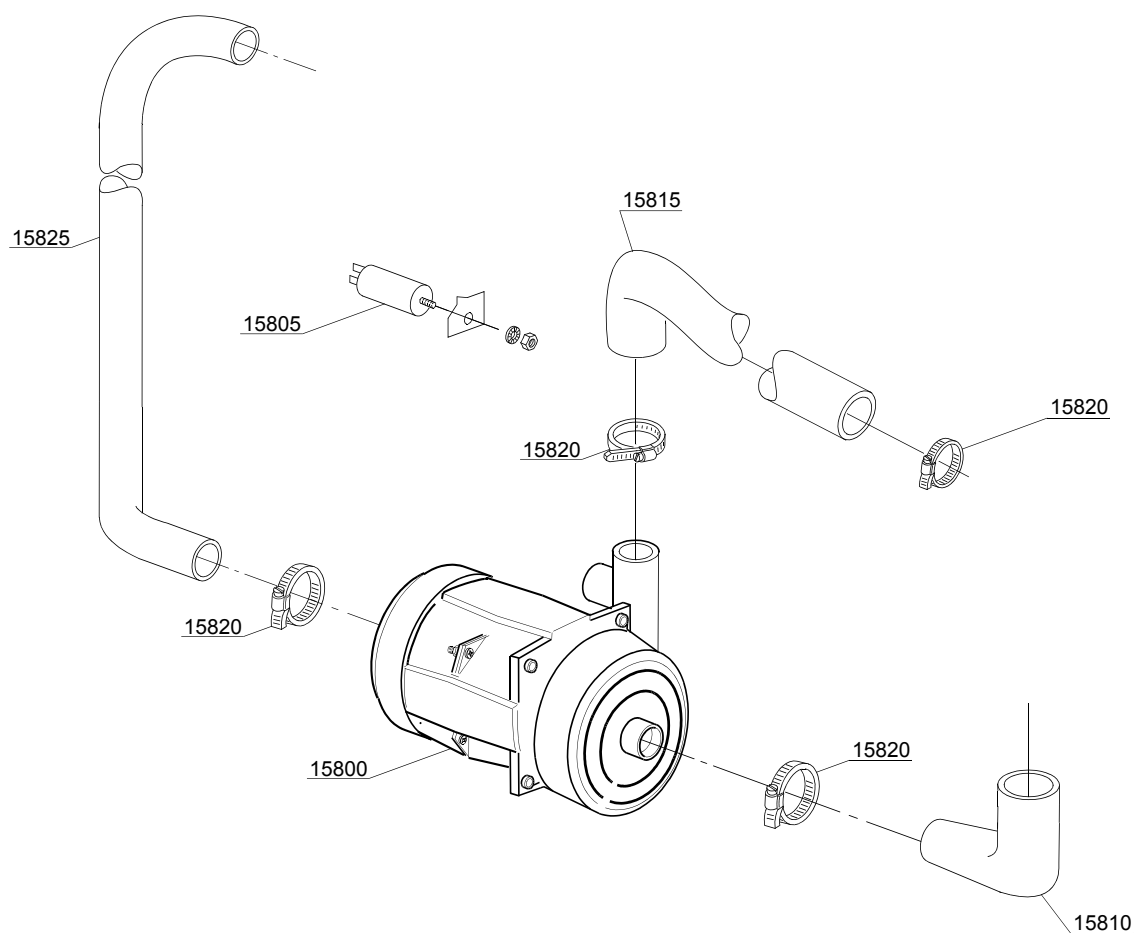
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Wash pump							
15700	18243		-	lw			0,33Hp wash pump
15700	18243/A		-	lw			0,33Hp wash pump - 220VAc 60Hz
15705	18043		-	lw			10 uF condenser
15710	18787		-	lw			Suction pipe coupling
15715	18788		-	lw			Drain rubber elbow
15720	11806		-	lw			25/40 clamp (minimum 2 pieces)
15725	15080		-	lw			Rotating seals
15730	18245		-	lw			OR O-ring
15735	18246		-	lw			Pump rotor
15740	18247		-	lw			Scroll
15740	18248		-	lw			Scroll

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



13_112_e

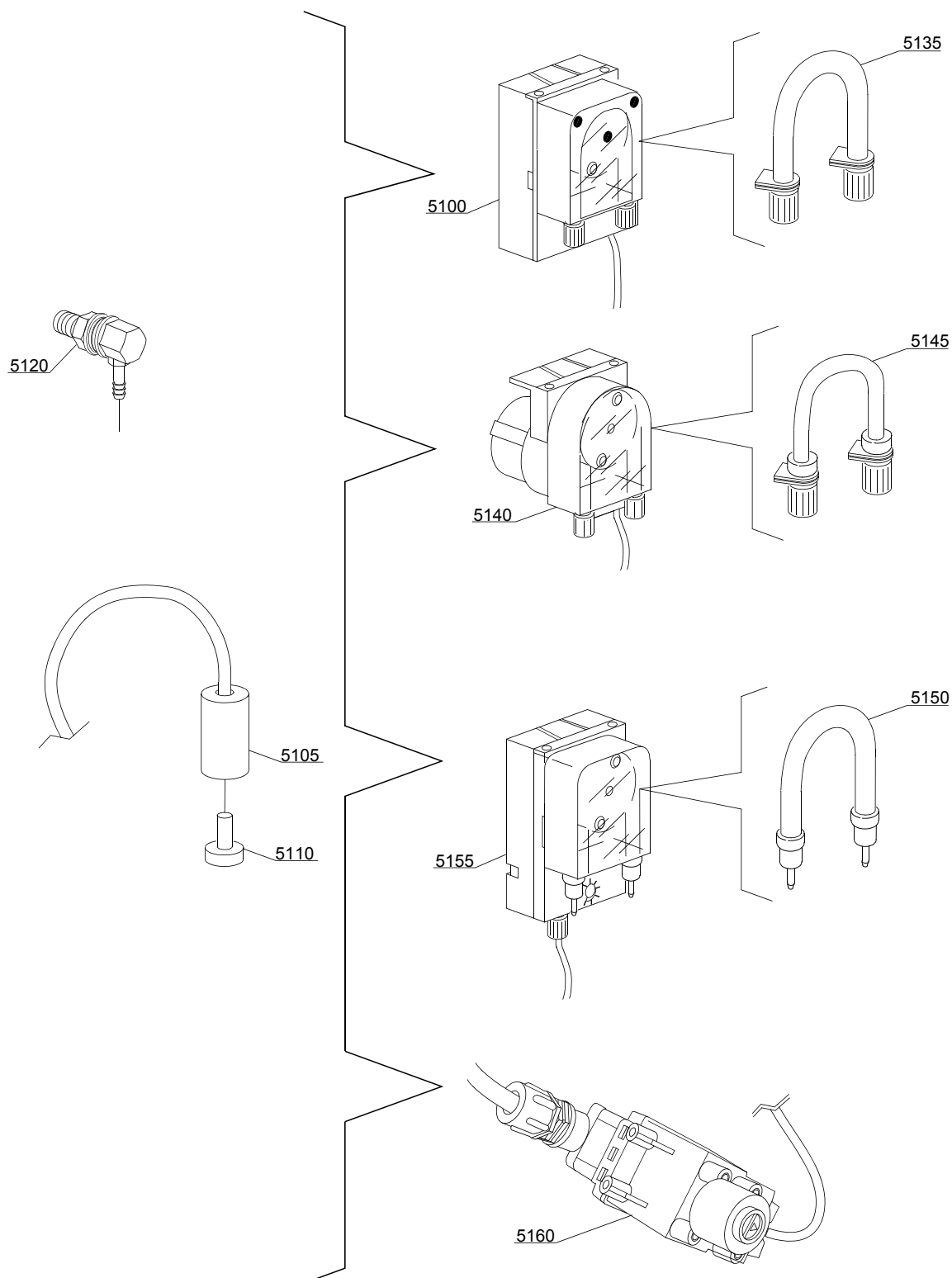
Spare parts

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Wash pump							
15800	18242		-	uw			0,30Hp wash pump - 230V
15800	18242/D		-	uw			0,30Hp wash pump - 220V 60Hz
15805	18043		-	uw			10 uF condenser
15810	18787		-	uw			Suction pipe coupling
15815	18788		-	uw			Drain rubber elbow
15820	11806		-	uw			25/40 clamp (minimum 2 pieces)
15825	18044		-	uw			Ø28 top wash pipe
15830	15080		-	uw			Rotating seals
15835	18245		-	uw			OR O-ring
15840	18246		-	uw			Pump rotor
15845	18247		-	uw			Scroll

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING
4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



14_004_e

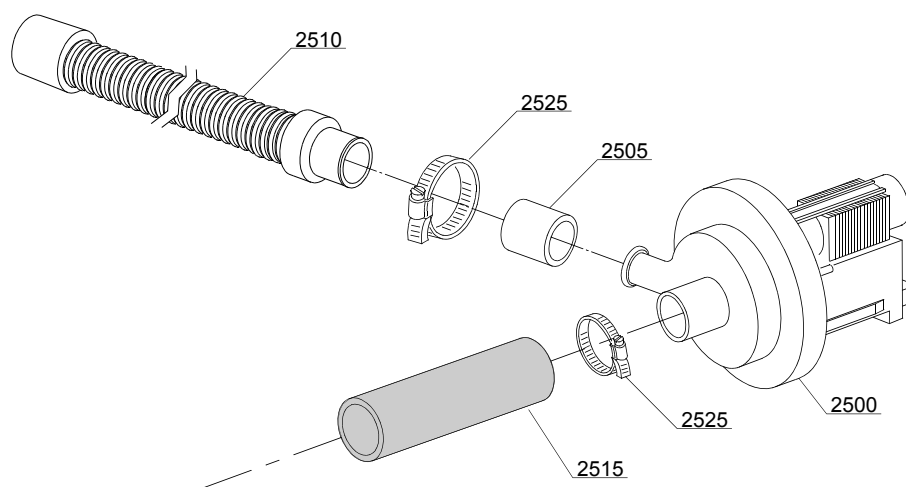
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Dosing detergent group							
5100	15985		-	em	dd		Seko detergent pump
5105	12525		-	em	dd		Ballast
5110	15058		-	em	dd		Small filter (minimum 3 pieces)
5120	15123		-	em	dd		Steel injector
5125	15159		-	em	dd		OR O-ring (minimum 2 pieces)
5130	10200205		-	em	dd		M12x1 stainless steel nut (minimum 2 pieces)
5135	15185		-	em	dd		Seko thermoplastic pipe
5140	15985		-	em	dd		Germac detergent pump
5145	15108/E		-	em	dd		Germac thermoplastic pipe
5150	15985/A			em	dd		Plas Cont thermoplastic pipe
5155	15985			em	dd		Plas Cont detergent pump
5160	15108/L			em	dd		Lang detergent pump

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



15_004ce

Spare parts

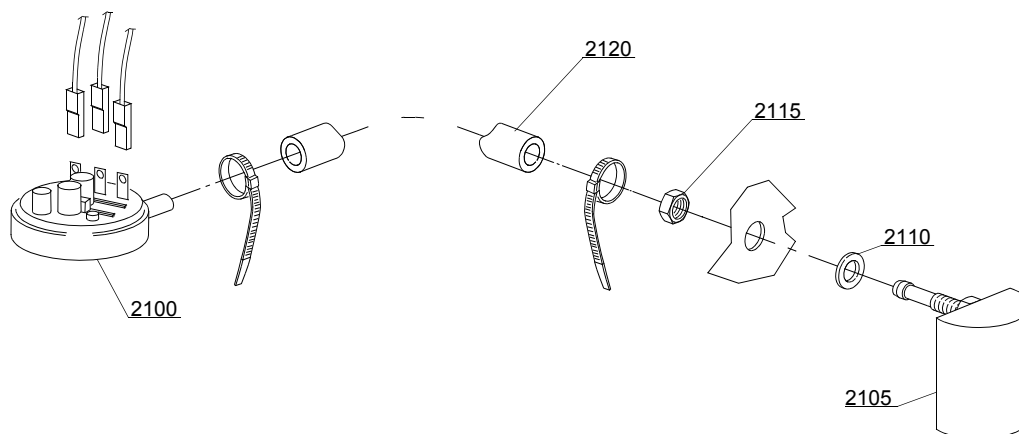
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Drain pump group							
2500	15101		-	em	dp		Drain pump 220/240V 50Hz
2505	15101/D		-	em	dp		Pipe fitting (minimum 3 pieces)
2510	10727		-	em	dp		Drain pipe
2515	10718		-	em	dp		Drain coude/pump connection pipe
2525	11806		-	em	dp		25/40 clamp (minimum 2 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



16_001_e

Spare parts

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Pressure switch group with air trap							
2100	10706/A		-	em			47-27 pressure switch
2105	135911		4020617	em			Air trap assembly
2110	13301		-	em			O-ring (minimum 10 pieces) - D14x8x1,5
2115	11702		-	em			M8 stainless steel nut (minimum 10 pieces)
2120	14508		-	em			4,5X9 EPDM rubber hose (minimum 2mt)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



Spare parts

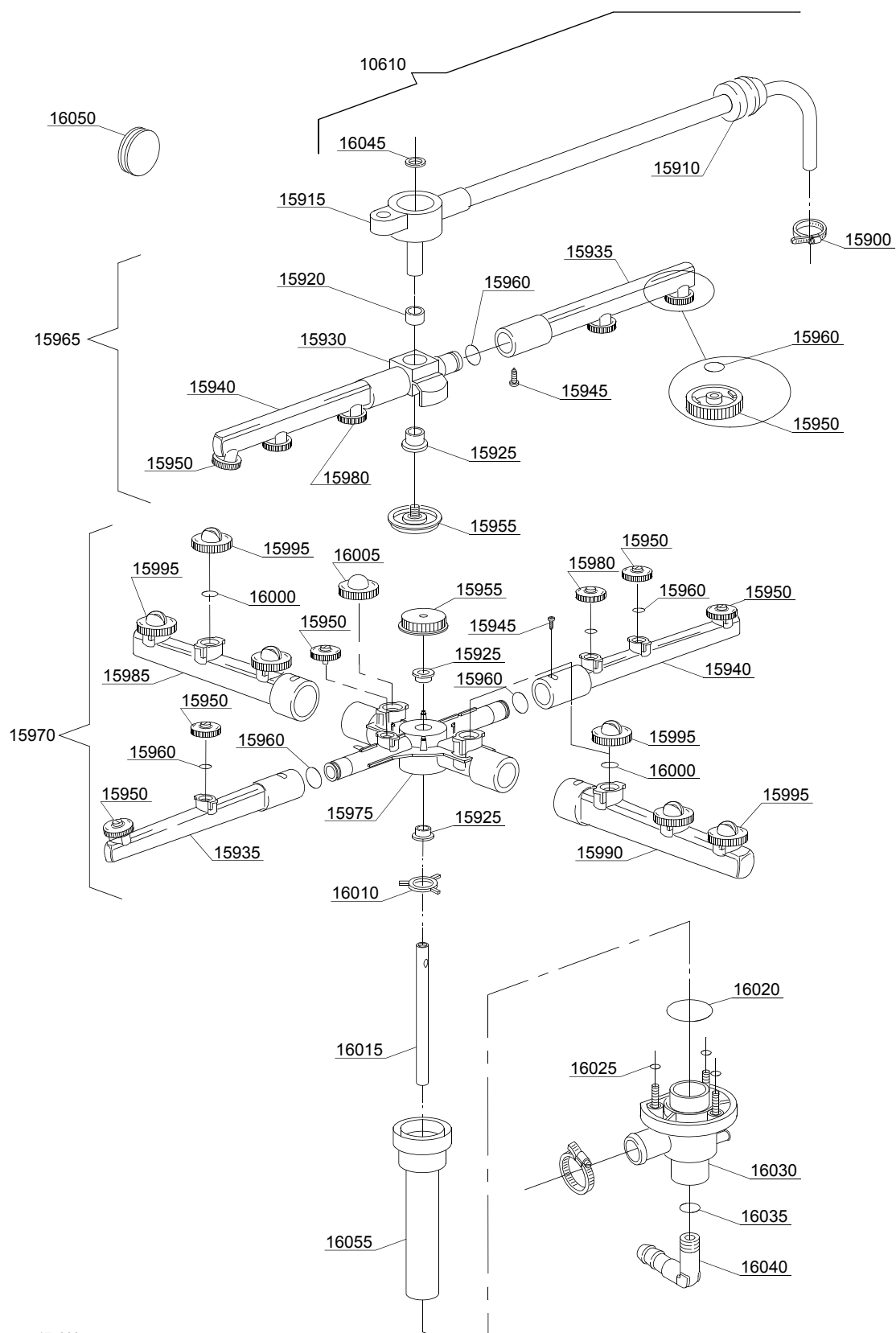
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
15900	11807		-	lw			12/22 clamp (minimum 3 pieces)
15910	13304		-	lw			Pipe-pass O-ring
15920	13320		-	lw			Sliding washer (minimum 3 pieces)
15925	13319		-	lw			Sliding washer (minimum 2 pieces)
15930	10359		-	lw			Rinse rotor
15935	10360		-	lw			Right rinse pipe
15940	10361		-	lw			Left rinse pipe
15945	11004		-	lw			4x10 TCB Ø8 spax toothed screw
15950	12537		-	lw			Opened head rinse nozzle (minimum 5 pieces)
15955	10365		-	lw			Handle with insert
15960	13002		-	lw			OR R6 NBR O-ring (minimum 10 pieces)
15965	10997		-	lw			Top rinse group
15970	10999		-	lw			Lower wash/rinse group
15975	10364		-	lw			Wash rotor
15980	12538		-	lw			Closed head rinse nozzle (minimum 3 pieces)
15985	10355		-	lw			Right wash pipe
15990	10356		-	lw			Left wash pipe
15995	10357		-	lw			Opened head wash nozzle (minimum 2 pieces)
16000	13009		-	lw			OR 2050 NBR O-ring (minimum 40 pieces)
16005	10358		-	lw			Closed head wash nozzle (minimum 3 pieces)
16010	10203		-	lw			Guide pipe
16015	18510		-	lw			Rinse axle
16020	13000		-	lw			OR 3125 NBR O-ring (minimum 5 pieces)
16025	13001		-	lw			OR 104 NBR O-ring (minimum 10 pieces)
16030	10205/C		-	lw			Lower wash turret with hole
16035	13003		-	lw			OR 112 NBR O-ring (minimum 10 pieces)
16040	12030		-	lw			3/8M Ø12 elbow pipe fitting
16045	11610		-	lw			Copper washer (minimum 10 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



Spare parts

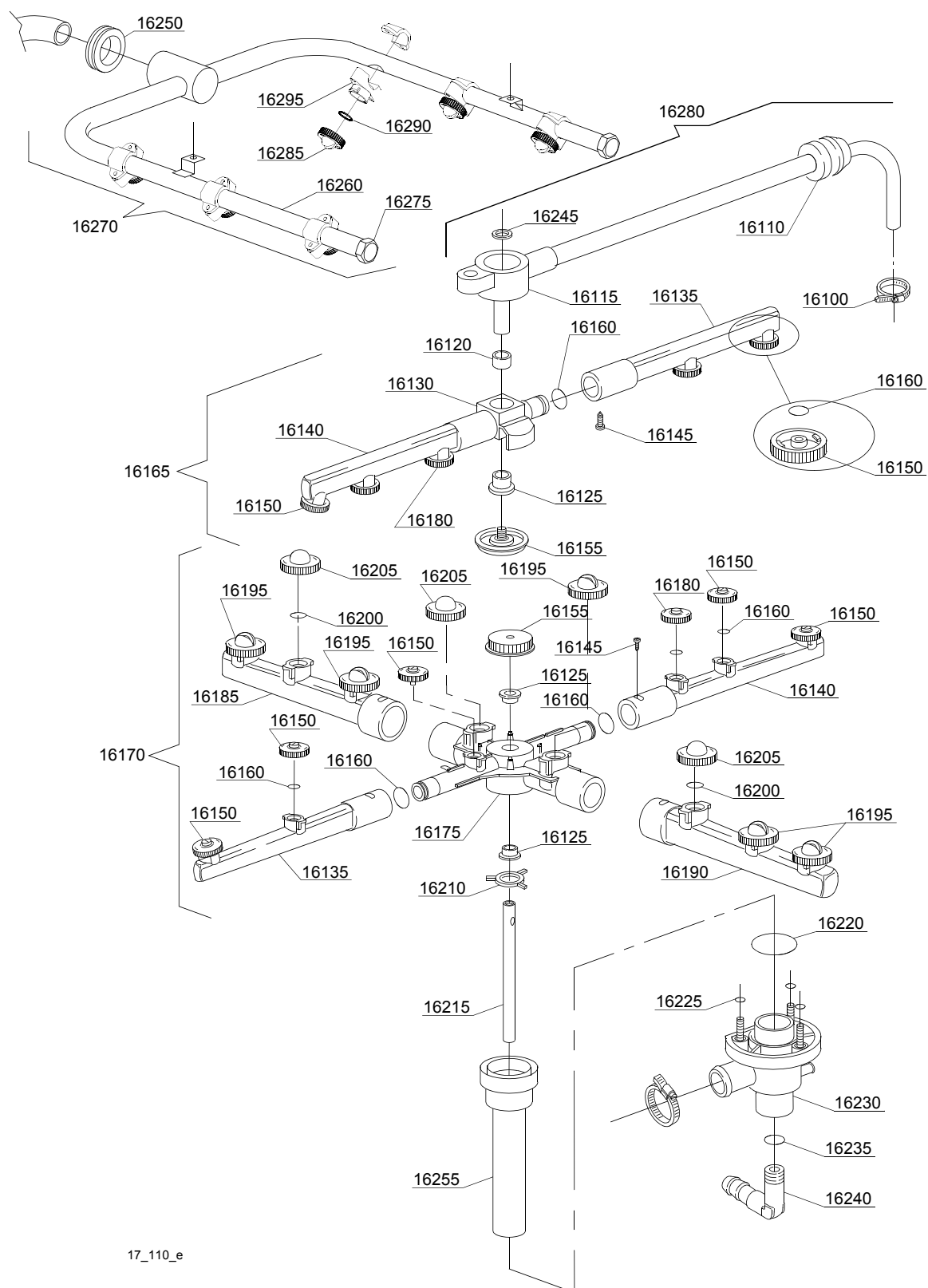
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
16050	13316		-	lw			43x10 blind O-ring
16055	18250/A		-	lw			Bell-shape assembly with pipe coupling
16060	10993		-	lw			Top rinse turret group

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

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cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

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Spare parts

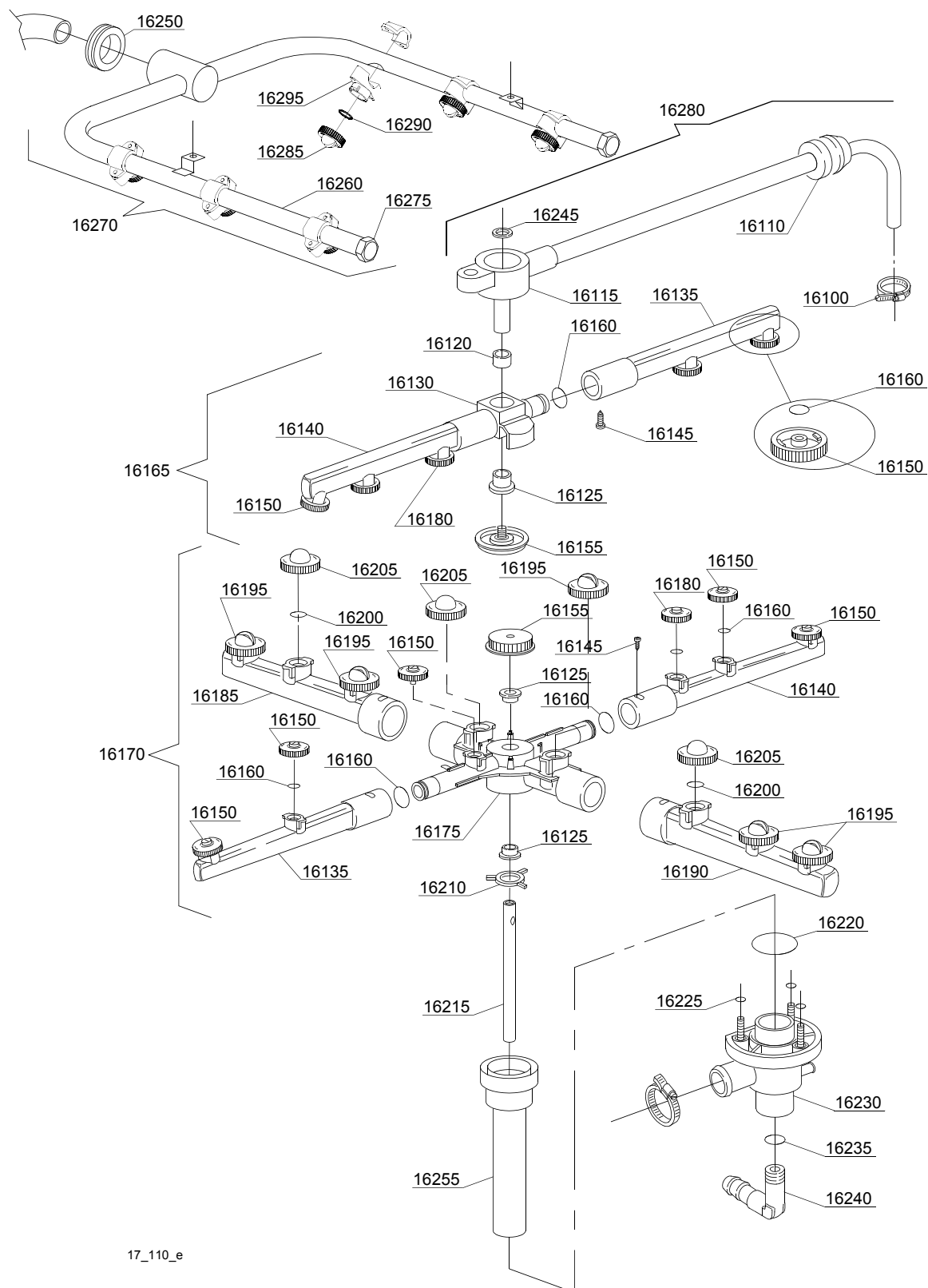
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
16100	11807		-	uw			12/22 clamp (minimum 3 pieces)
16110	13304		-	uw			Pipe-pass O-ring
16120	13320		-	uw			Sliding washer (minimum 3 pieces)
16125	13319		-	uw			Sliding washer (minimum 2 pieces)
16130	10359		-	uw			Rinse rotor
16135	10360		-	uw			Right rinse pipe
16140	10361		-	uw			Left rinse pipe
16145	11004		-	uw			4x10 TCB Ø8 spax toothed screw
16150	12537		-	uw			Opened head rinse nozzle (minimum 5 pieces)
16155	10365		-	uw			Handle with insert
16160	13002		-	uw			OR R6 NBR O-ring (minimum 10 pieces)
16165	10997		-	uw			Top rinse group
16170	18996		-	uw			Lower wash/rinse group
16175	10364		-	uw			Wash rotor
16180	12538		-	uw			Closed head rinse nozzle (minimum 3 pieces)
16185	10355		-	uw			Right wash pipe
16190	10356		-	uw			Left wash pipe
16195	10366		-	uw			1,9 opened head wash nozzle (minimum 2 pieces)
16200	13009		-	uw			OR 2050 NBR O-ring (minimum 40 pieces)
16205	10358		-	uw			Closed head wash nozzle (minimum 3 pieces)
16210	10203		-	uw			Guide pipe
16215	18510		-	uw			Rinse axle
16220	13000		-	uw			OR 3125 NBR O-ring (minimum 5 pieces)
16225	13001		-	uw			OR 104 NBR O-ring (minimum 10 pieces)
16230	10205/C		-	uw			Lower wash turret with hole
16235	13003		-	uw			OR 112 NBR O-ring (minimum 10 pieces)
16240	12030		-	uw			3/8M Ø12 elbow pipe fitting
16245	11610		-	uw			Copper washer (minimum 10 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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_110_e

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
16250	13306/A		-	uw			Top wash ramp O-ring
16255	18250/A		-	uw			Bell-shape assembly with pipe coupling
16260	18134		-	uw			Top wash pipe
16265	10221		-	uw			Wash nozzle (minimum 2 pieces)
16270	16920		-	uw			Top wash group
16275	12503		-	uw			Plug
16280	10993		-	uw			Top rinse turret group
16290	13009		-	uw			OR 2050 NBR O-ring (minimum 40 pieces)
16295	10378		-	uw			Nozzle (minimum 2 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

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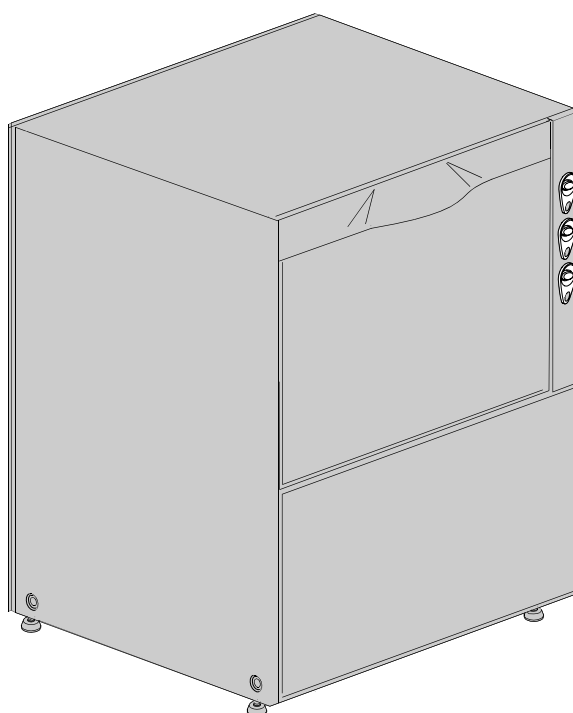
DISHWASHER

ELECTROMECHANICAL SWITCHES
LOWER WASHING
LOWER AND UPPER WASHING

TYPE: 4U

Accessories
COLD RINSE
WATER SOFTNER
DETERGENT DISPENSER
DRAIN PUMP

Spare Parts Manual





Code DW 999XXXXY

Model DESCRIPTION

S/N DW A 1015770 Type

CL/Part



400V 3N
3500W

50HZ

 16A

8A
500W

IPX3



Pressione Dinamica alimentazione idrica
Pression dynamique arrivèe d'eau
Dynamic pressure water supply
Dynamischer Druck asserreinlauf

200-500 kPa

TECHICAL SPECIFICATION



MADE IN ITALY

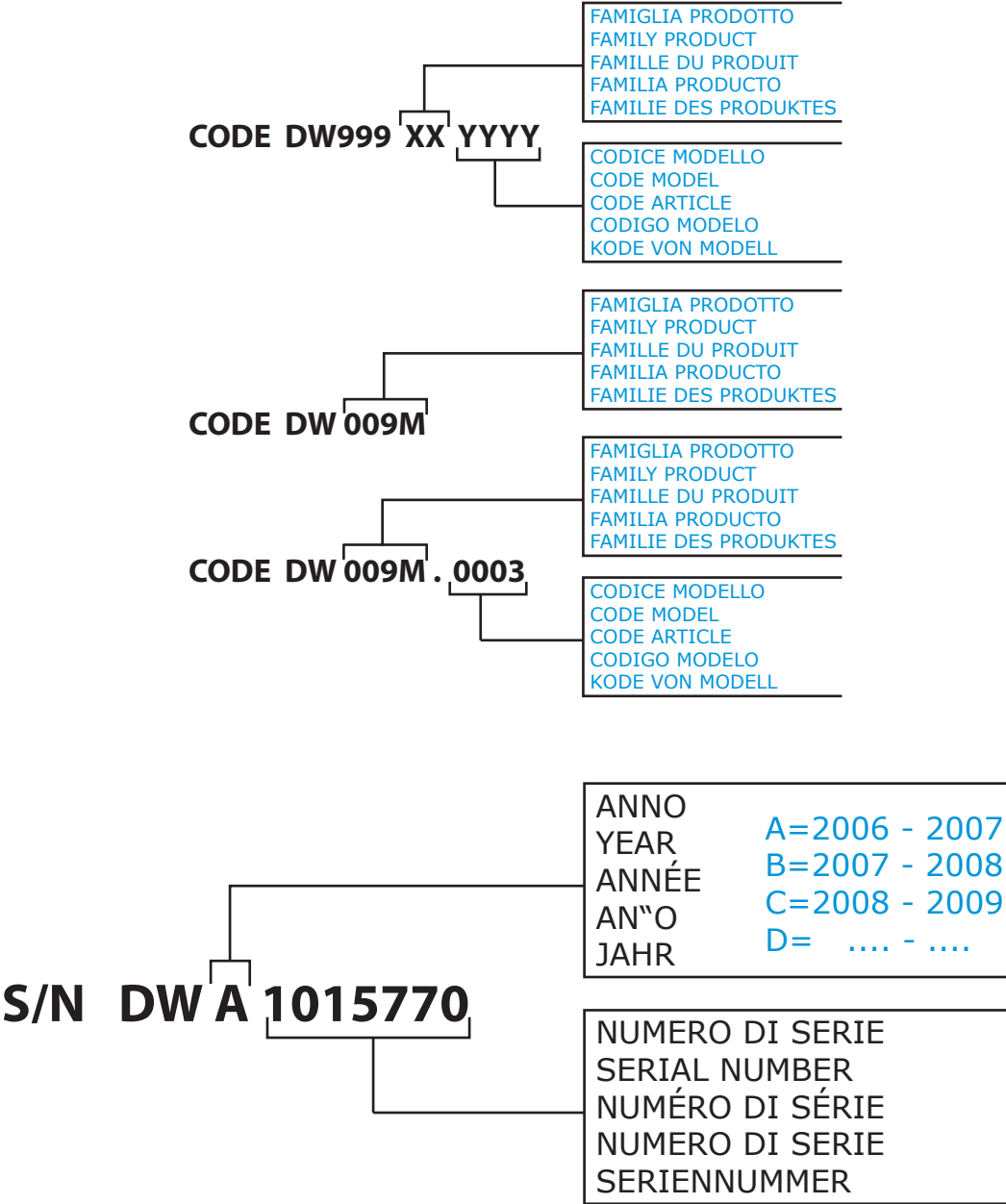


Pressione dinamica vapore saturo
Pression dynamique vapeur satueèe
Dymanischer Druck gesattigter Dampf
Pression Dinamica Vapor Saturado

Temperatura massima acqua in ingresso 60°C
Temperature max eau a l'entre
Maximale Temperatur Wasseranschluß
Maximum Water temperature in-feeding

Model 

S/N 



1. Spare parts

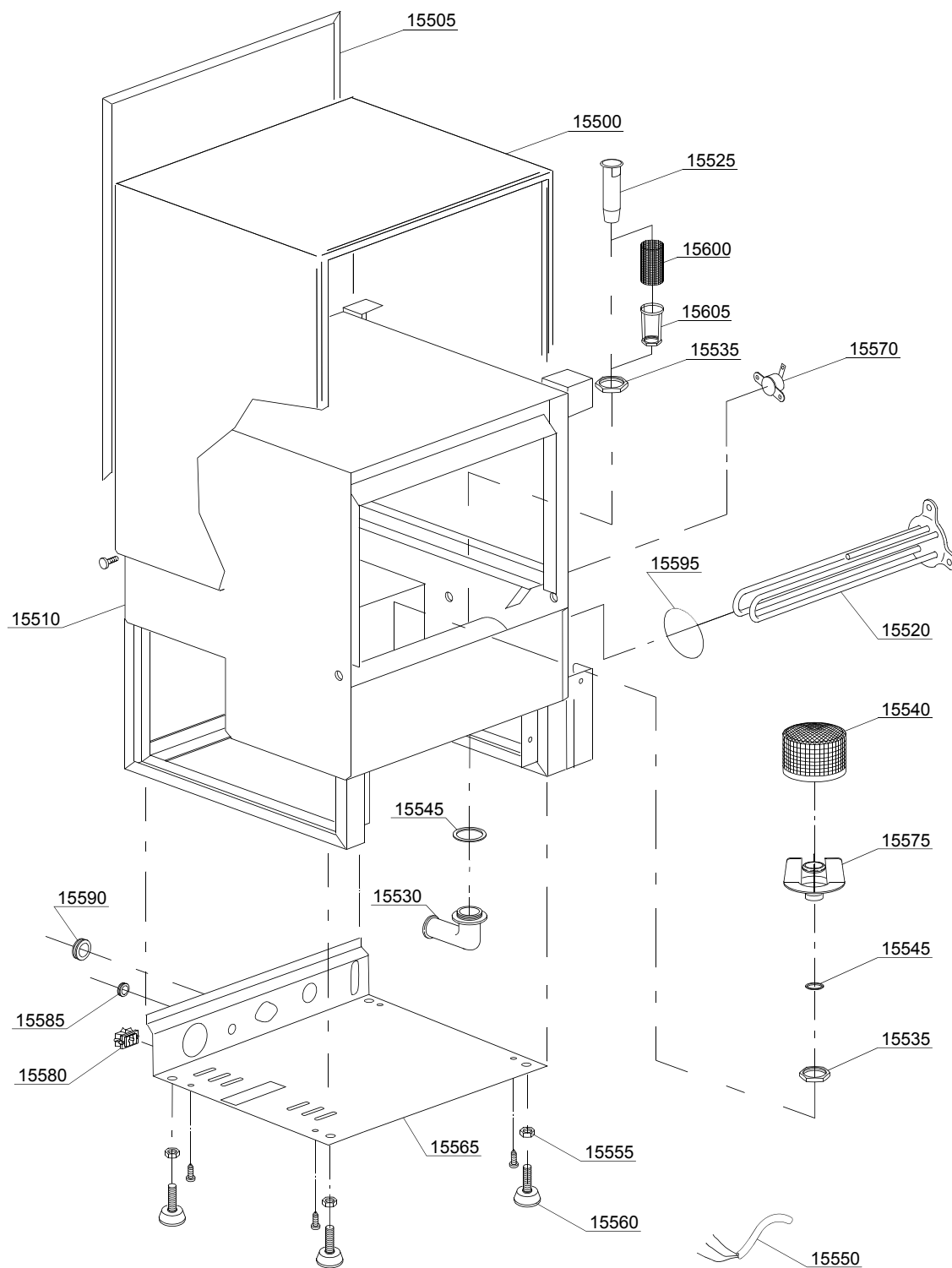
General body parts.....	7
Lockup system	9
Control panel and switches.....	11
Solenoid valve group	13
Solenoid valve group	15
Water softner group.....	17
Rinse aid dispenser group.....	19
3 ways connection	21
Wash pump	23
Wash pump	25
Dosing detergent group.....	27
Drain pump group.....	29
Pressure switch group with air trap ...	31
Turret group with rotating arms	33
Turret group with rotating arms	37

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
lw	LOWER WASHING
uw	LOWER AND UPPER WASHING
Type codes	
4U	4U
Accessory codes	
cr	COLD RINSE
ws	WATER SOFTNER
dd	DETERGENT DISPENSER
dp	DRAIN PUMP



01_018_e

Spare parts

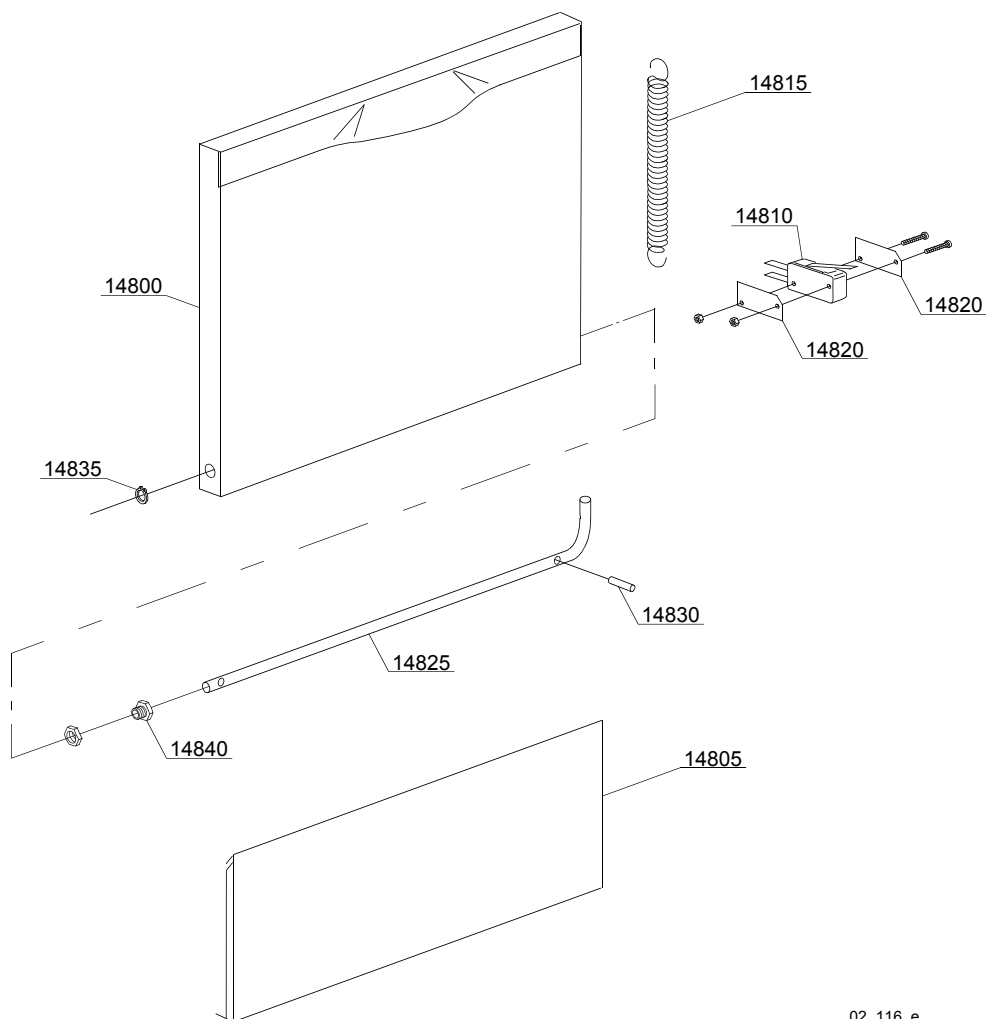
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:General body parts							
15500	18201		-				Cover
15505	18202		-	lw			Back panel
15505	18204		-	uw			Back panel
15510	18950		-				Body
15510	18950/A		-		ws		Body
15520	18206		-				2,4/2,61KW 230/240V heating element
15525	10725		-				Overflow pipe
15530	10701		-				Drain elbow
15535	11701/A		-				Stainless steel nut
15540	540002		-				Pump filter
15545	13305		-				44x32x3 O-ring (minimum 5 pieces)
15550	10713		-				3x2,5x2500 cable
15555	11711		-				M10 zinc plated nut (minimum 20 pieces)
15560	10786		-				M10x25 Ø40 black foot (minimum 4 pieces)
15565	18209		-	lw			End piece protection
15565	18210		-	uw			End piece protection
15570	15550		-				Safety thermostat
15575	540000/A		-				Top filter body
15580	15065/A		-				Cable-fastener with screw
15585	13323		-				D.13mm dosing pipe pass (minimum 2 pieces)
15590	13317		-				D.40mm unloading pipe pass (minimum 2 pieces)
15595	13010		-				OR O-ring (minimum 5 pieces)
15600	440751		-		dp		Drain pump stainless steel filter
15605	11701/B		-		dp		Stainless steel nut

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



02_116_e

Spare parts

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Lockup system							
14800	18960		-				Door with stainless steel handle
14805	18203		-				Lower door
14810	10704		-				Door microswitch
14815	10700/B		-				Spring
14820	10770		-				Insulation for door microswitch (minimum 3 pieces)
14825	18136		-				Rod door
14830	11170		-				M5x25 grub-screw (minimum 2 pieces)
14835	11815		-				Ø8 stainless steel snap ring (minimum 5 pieces)
14840	11835		-				Brass bush with nut

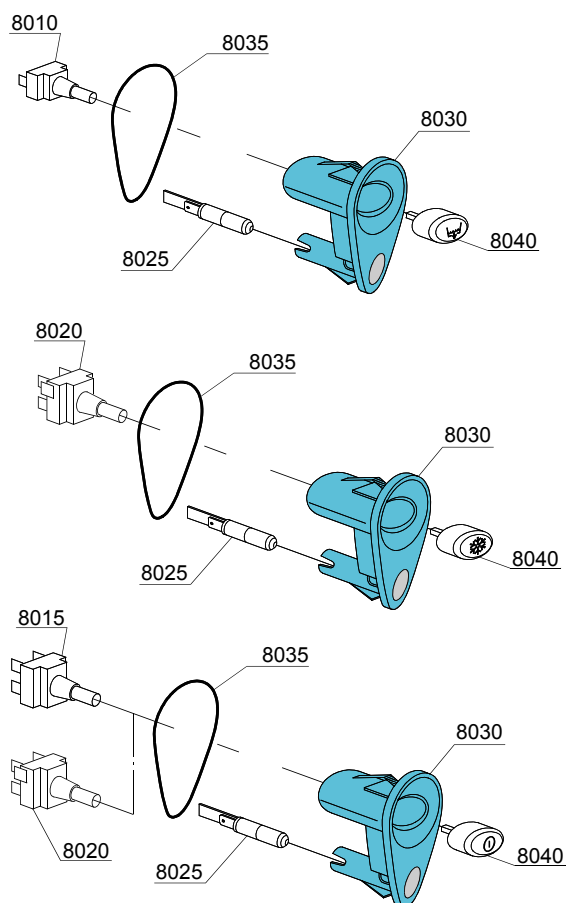
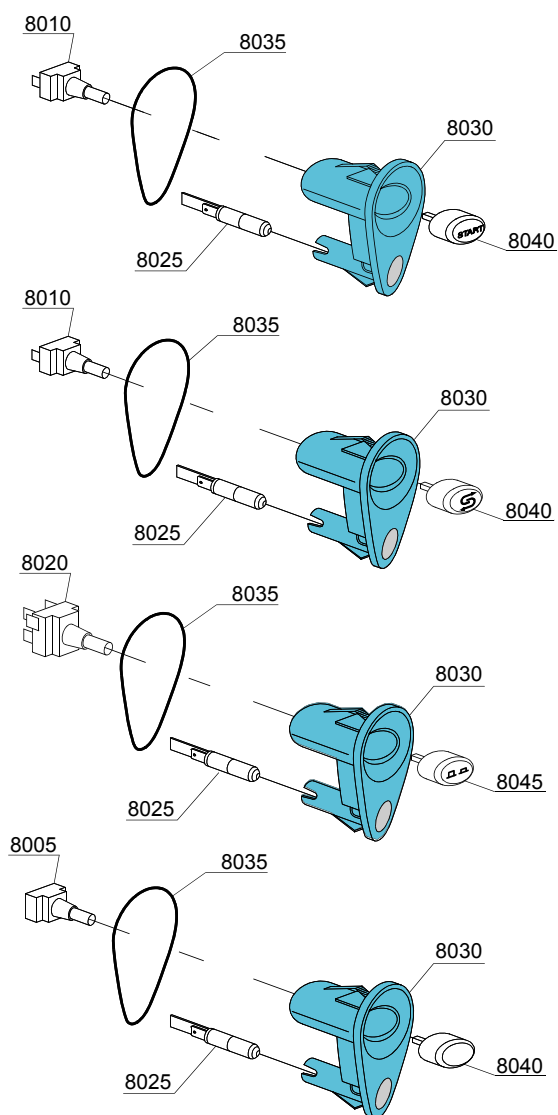
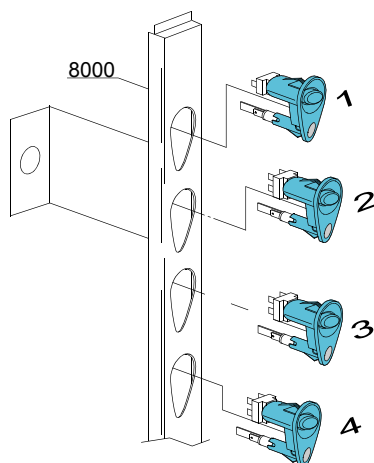
em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

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Spare parts

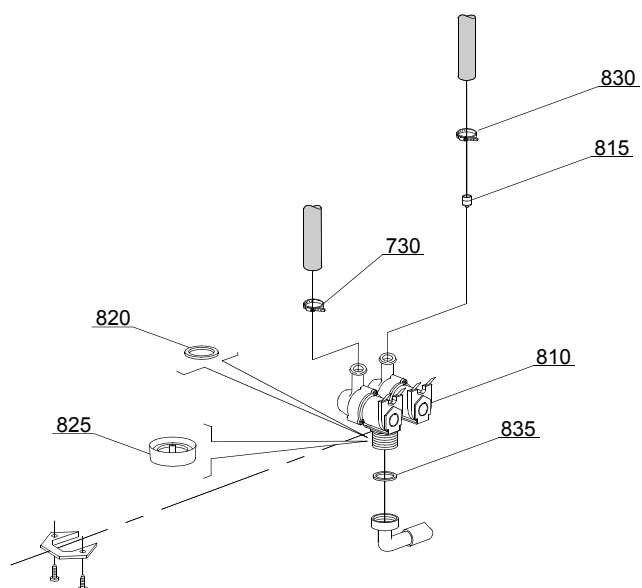
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Control panel and switches							
8000	18944		-	em			Control panel
8005	15844		-	em			Push button support
8010	15813		-	em			16A unipolar switch
8015	15812		-	em			16A switch
8020	15811		-	em			16A bipolar switch
8025	15826		-	em			Pilot light 220V
8030	89300		-	em			Push button support
8035	89332		-	em			OR O-ring (minimum 10 pieces)
8040	89344		-	em	cr		Hot/cold push button
8040	89343		-	em	dp		Drain pump push button
8040	89341		-	em			Start push button
8040	89348		-	em			Blind push button
8040	89340		-	em			ON-OFF push button
8040	89345		-	em	ws		Regeneration push button

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

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cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

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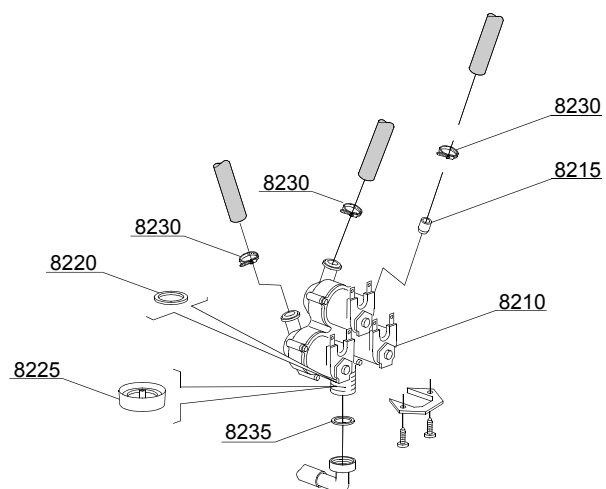
Spare parts

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Solenoid valve group							
810	15098		-	em	cr,ws		Double solenoid valve - Ø10 - 230Vac
815	15115		-	em	cr,ws		Green pression solenoid valve for regeneration (minimum 2 pieces)
820	N.C.		-	em	cr,ws		Pression reducing valve
830	11807		-	em			12/22 clamp (minimum 3 pieces)
835	13307		-	em			3/4 gasket

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING
4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



05_004_ε

Spare parts

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Solenoid valve group							
8210	15099		-		cr,ws		Triple solenoid valve
8215	15115		-		cr,ws		Green pression solenoid valve (minimum 2 pieces)
8220	N.C.		-		cr,ws		Pression reducing valve
8230	11807		-	em			12/22 clamp (minimum 3 pieces)
8235	13307		-	em			3/4 gasket

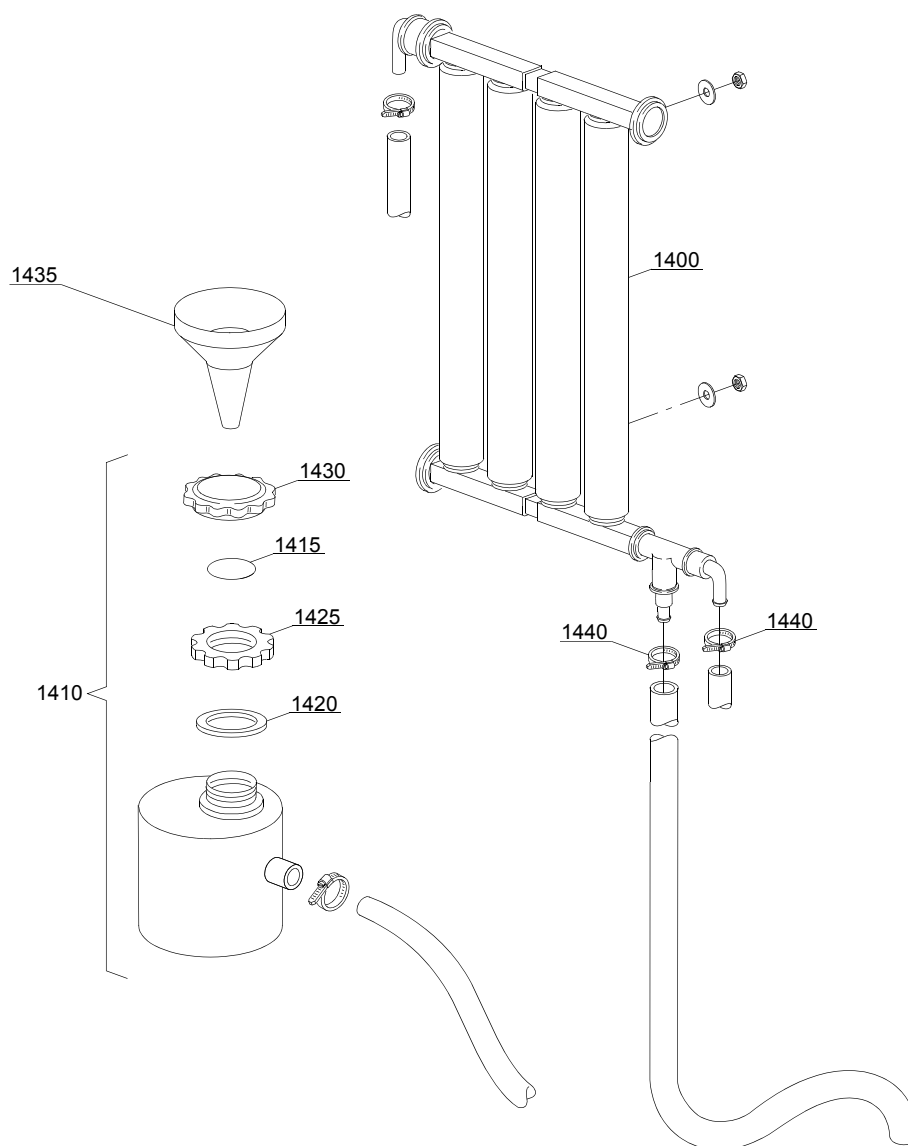
em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

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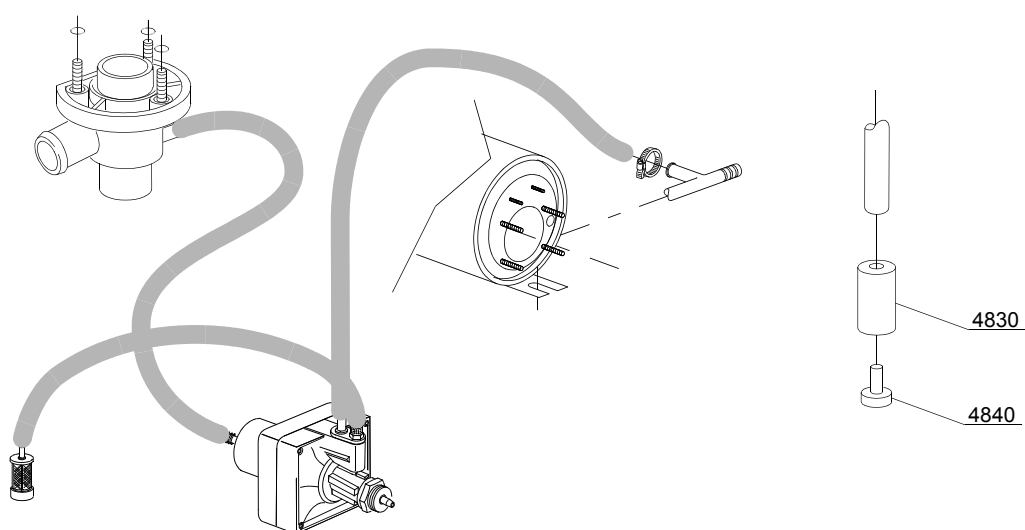
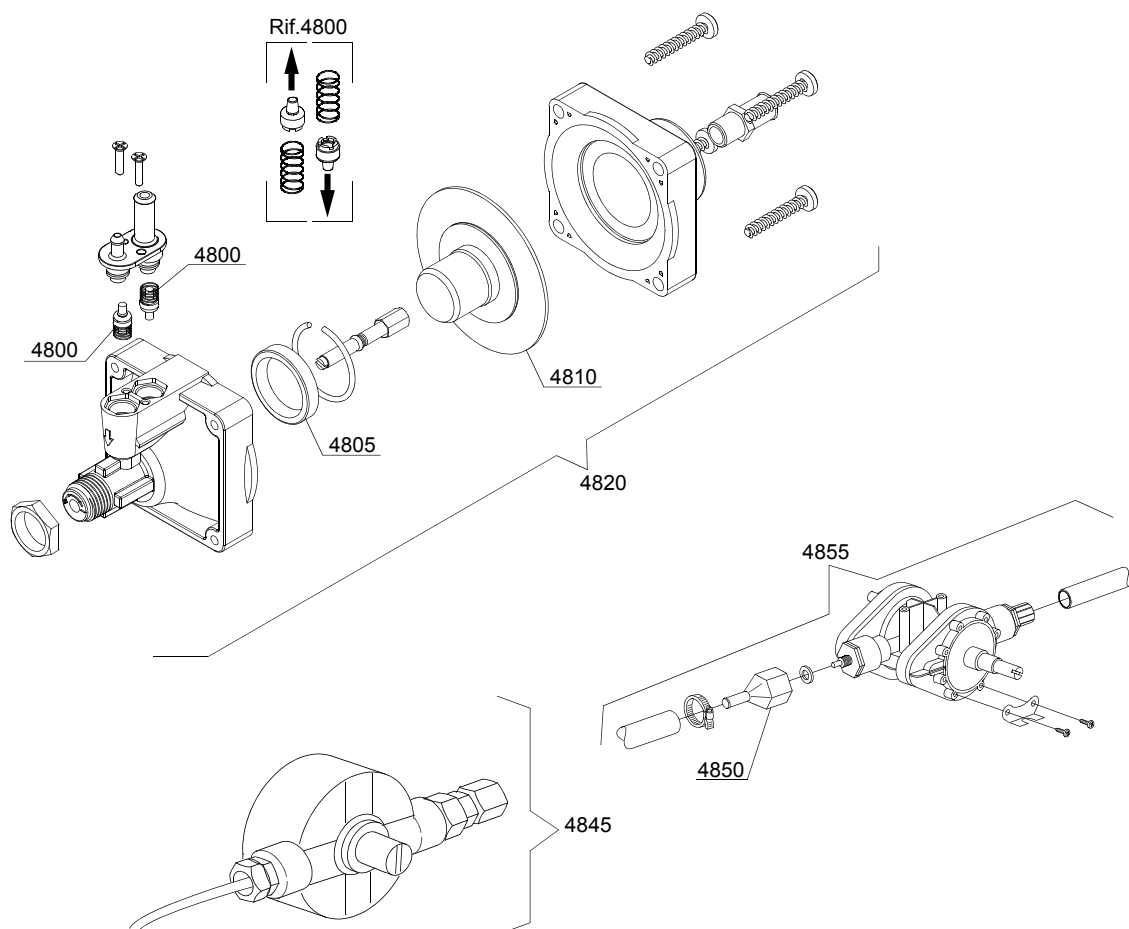
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Water softner group							
1400	16066		-	em	ws		4 elements water softner
1410	16065		-	em	ws		Salt container
1415	16067/A		-	em	ws		OR O-ring
1420	16067/B		-	em	ws		O-ring
1425	16067/C		-	em	ws		Ring nut
1430	16067/D		-	em	ws		Plug
1435	16082		-	em	ws		Funnel
1440	11807		-	em	ws		12/22 clamp (minimum 3 pieces)

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4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



10_004_e

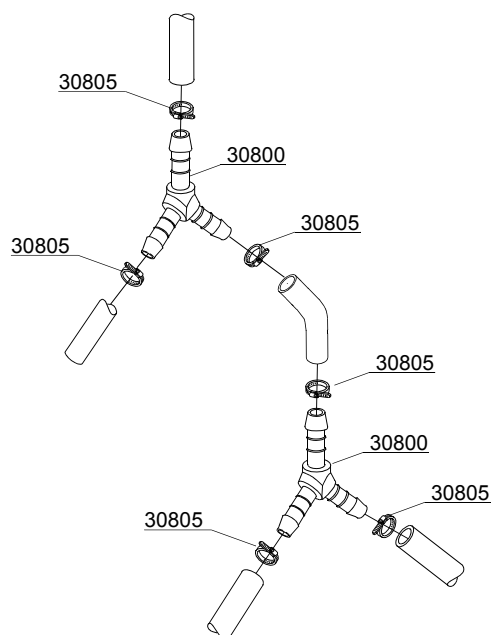
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Rinse aid dispenser group							
4800	10805		-	em			Tecnopro non return valve
4805	10806		-	em			Ø22 O-ring
4810	10807		-	em			Membrane
4820	10799		-	em			TECNO PRO rinse aid dispenser
4830	12525		-	em			Ballast
4840	15058		-	em			Small filter (minimum 3 pieces)
4845	10799		-	em			GERMAC rinse aid dispenser
4850	10798/B		-	em			Brass pipe fitting
4855	10798		-	em			LANG Rinse aid dispenser

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



12_010_e

Spare parts

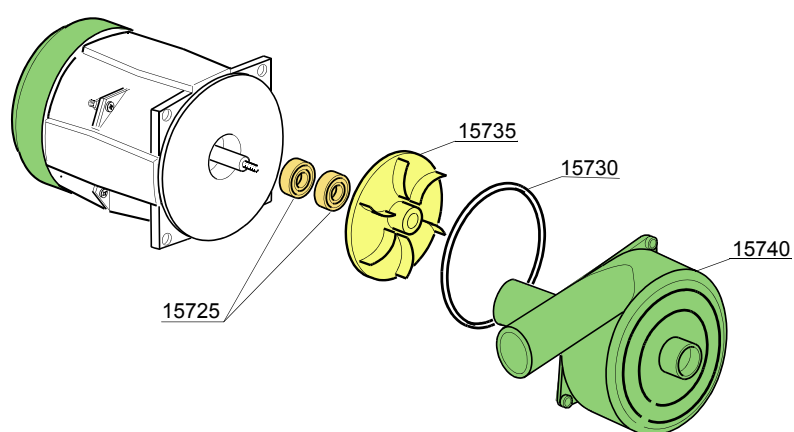
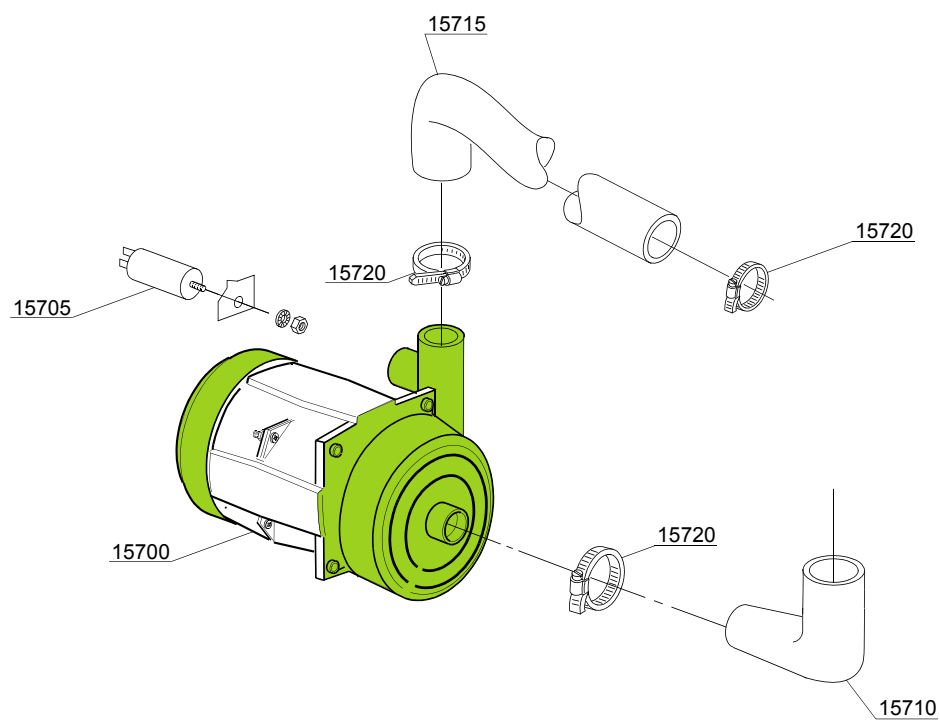
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:3 ways connection							
30800	540090		-	em	cr		Ø10 mm plastic 3 ways connection
30805	11807		-	em	cr		12/22 clamp (minimum 3 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



13_006_e

Spare parts

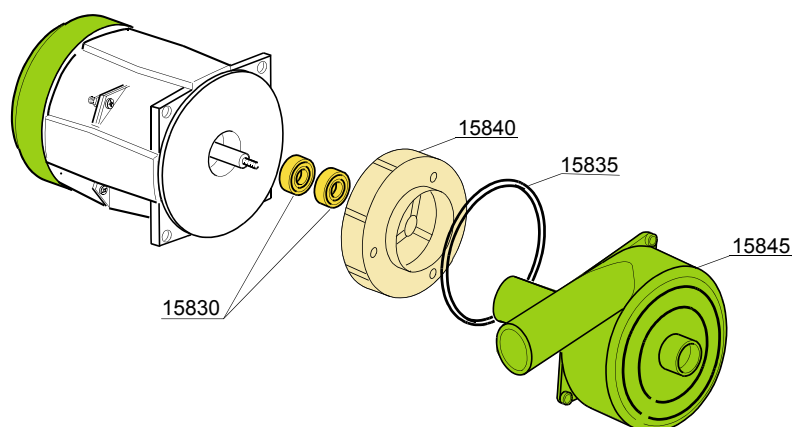
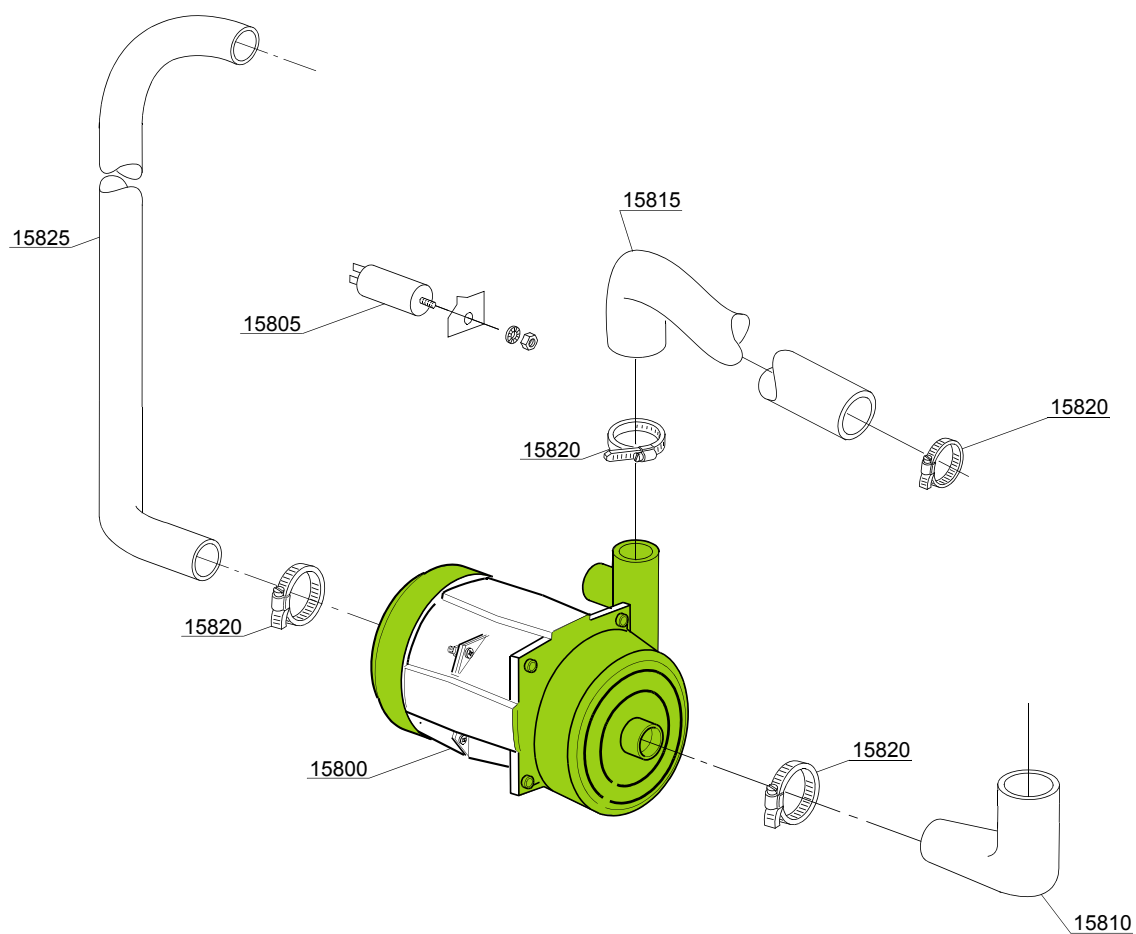
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Wash pump							
15700	18243		-	lw			0,33Hp wash pump
15700	18243/A		-	lw			0,33Hp wash pump - 220VAc 60Hz
15705	18043		-	lw			10 uF condenser
15710	18787		-	lw			Suction pipe coupling
15715	18788		-	lw			Drain rubber elbow
15720	11806		-	lw			25/40 clamp (minimum 2 pieces)
15725	15080		-	lw			Rotating seals
15730	18245		-	lw			OR O-ring
15735	18246		-	lw			Pump rotor
15740	18247		-	lw			Scroll
15740	18248		-	lw			Scroll

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



13_112_e

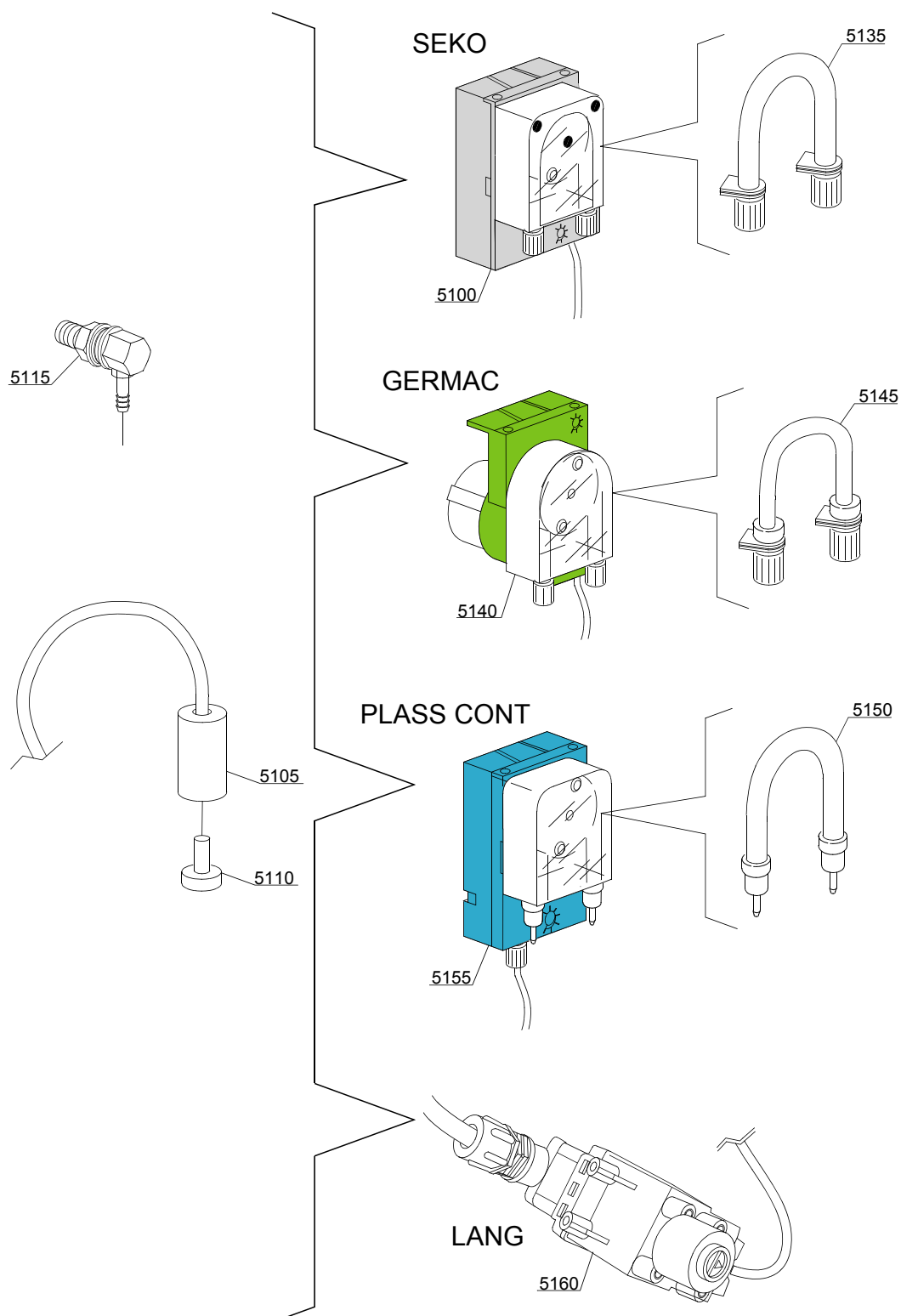
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Wash pump							
15800	18242		-	uw			0,30Hp wash pump - 230V
15800	18242/D		-	uw			0,30Hp wash pump - 220V 60Hz
15805	18043		-	uw			10 uF condenser
15810	18787		-	uw			Suction pipe coupling
15815	18788		-	uw			Drain rubber elbow
15820	11806		-	uw			25/40 clamp (minimum 2 pieces)
15825	18044		-	uw			Ø28 top wash pipe
15830	15080		-	uw			Rotating seals
15835	18245		-	uw			OR O-ring
15840	18246		-	uw			Pump rotor
15845	18247		-	uw			Scroll

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



14_004_e

Spare parts

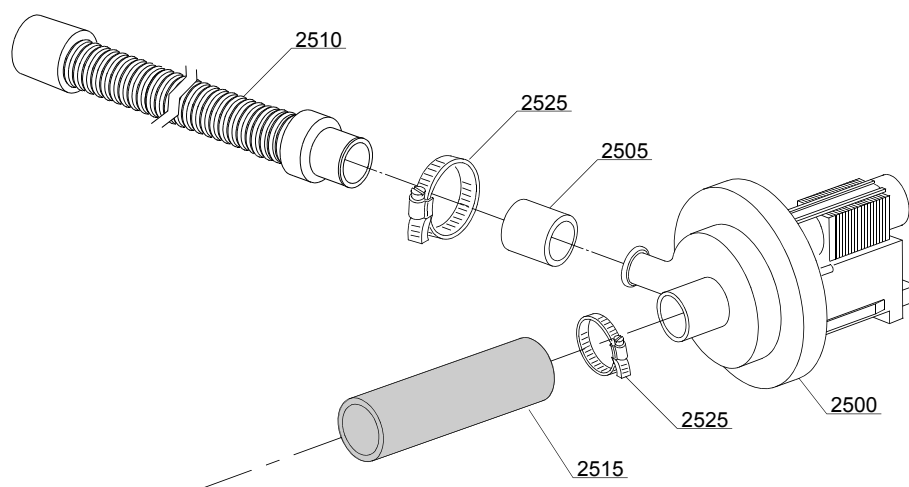
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Dosing detergent group							
5100	15985		-	em	dd		Seko detergent pump
5105	12525		-	em	dd		Ballast
5110	15058		-	em	dd		Small filter (minimum 3 pieces)
5120	15123		-	em	dd		Steel injector
5125	15159		-	em	dd		OR O-ring (minimum 2 pieces)
5130	10200205		-	em	dd		M12x1 stainless steel nut (minimum 2 pieces)
5135	15185		-	em	dd		Seko thermoplastic pipe
5140	15985		-	em	dd		Germac detergent pump
5145	15108/E		-	em	dd		Germac thermoplastic pipe
5150	15985/A			em	dd		Plas Cont thermoplastic pipe
5155	15985			em	dd		Plas Cont detergent pump
5160	15108/L			em	dd		Lang detergent pump

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



15_004ce

Spare parts

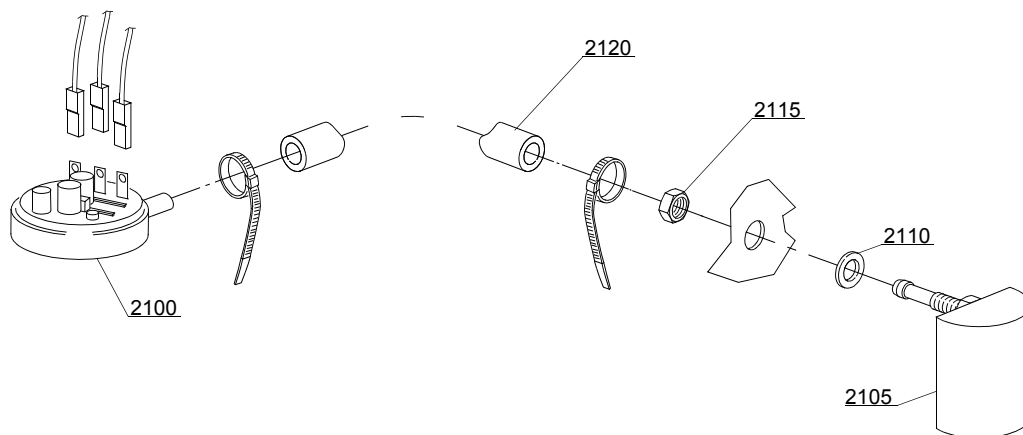
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Drain pump group							
2500	15101		-	em	dp		Drain pump 220/240V 50Hz
2505	15101/D		-	em	dp		Pipe fitting (minimum 3 pieces)
2510	10727		-	em	dp		Drain pipe
2515	10718		-	em	dp		Drain coude/pump connection pipe
2525	11806		-	em	dp		25/40 clamp (minimum 2 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



16_001_e

Spare parts

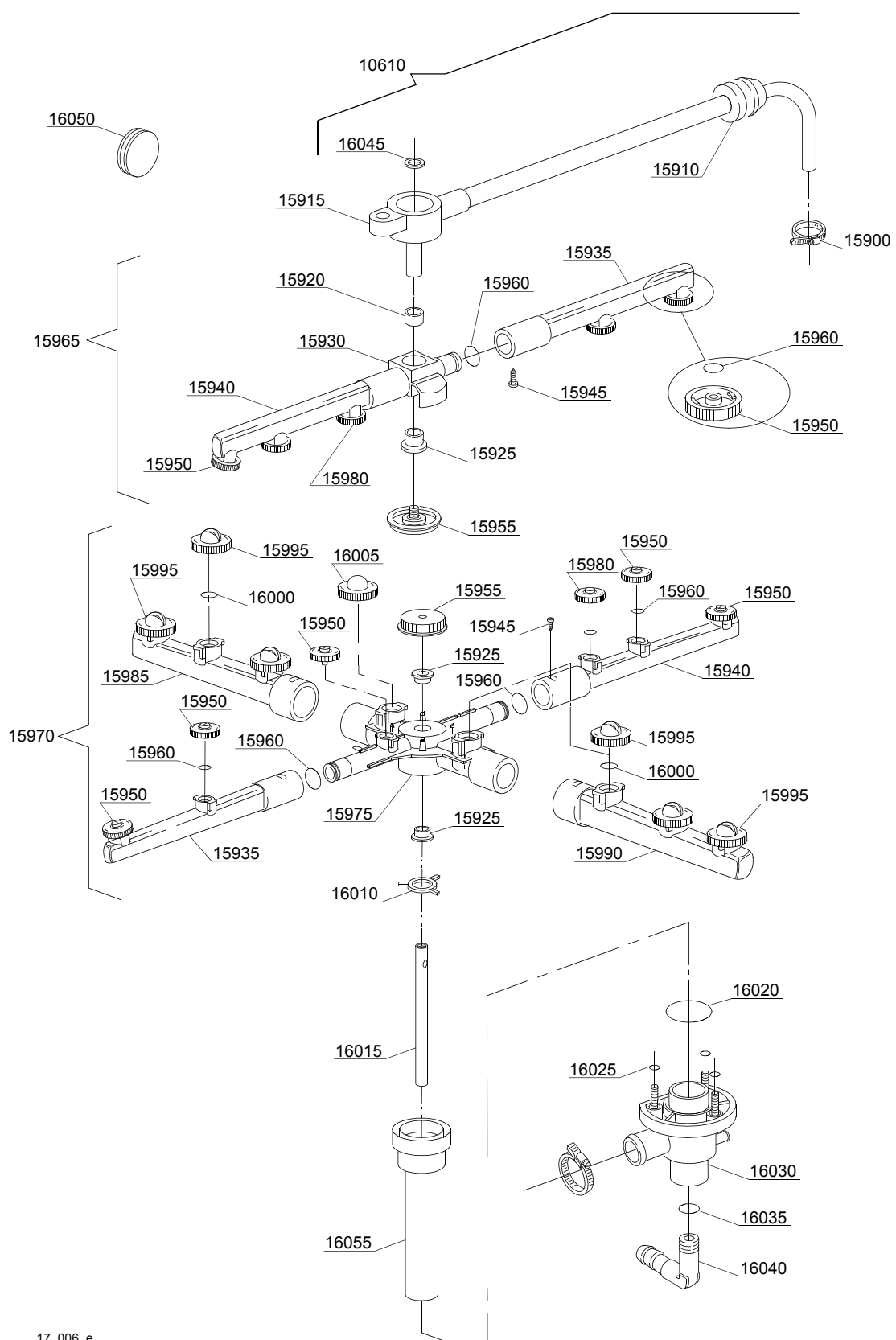
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Pressure switch group with air trap							
2100	10706/A		-	em			47-27 pressure switch
2105	135911		-	em			Air trap assembly
2110	13301		-	em			O-ring (minimum 10 pieces) - D14x8x1,5
2115	11702		-	em			M8 stainless steel nut (minimum 10 pieces)
2120	14508		-	em			4,5X9 EPDM rubber hose (minimum 2mt)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



Spare parts

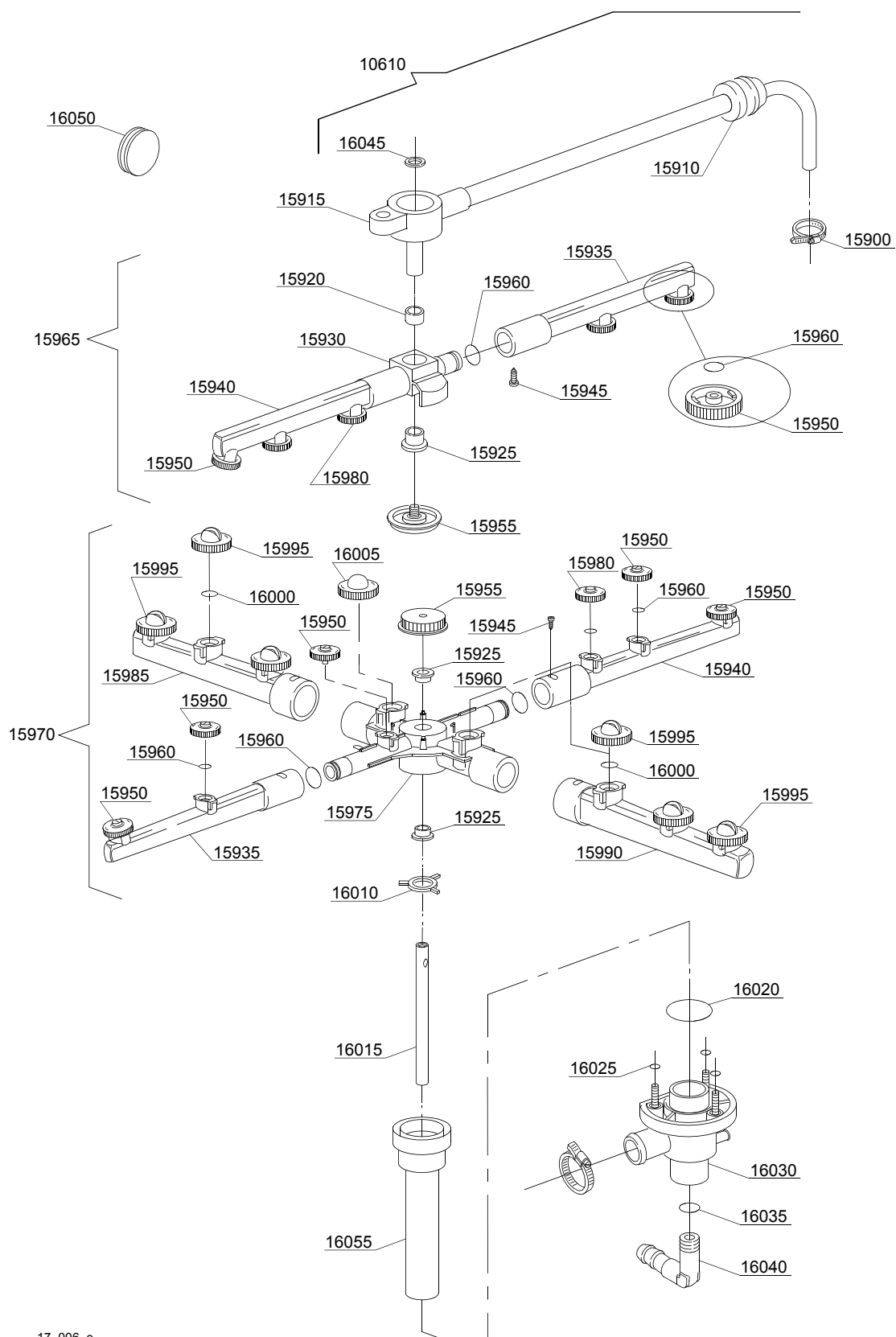
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
15900	11807		-	lw			12/22 clamp (minimum 3 pieces)
15910	13304		-	lw			Pipe-pass O-ring
15920	13320		-	lw			Sliding washer (minimum 3 pieces)
15925	13319		-	lw			Sliding washer (minimum 2 pieces)
15930	10359		-	lw			Rinse rotor
15935	10360		-	lw			Right rinse pipe
15940	10361		-	lw			Left rinse pipe
15945	11004		-	lw			4x10 TCB Ø8 spax toothed screw
15950	12537		-	lw			Opened head rinse nozzle (minimum 5 pieces)
15955	10365		-	lw			Handle with insert
15960	13002		-	lw			OR R6 NBR O-ring (minimum 10 pieces)
15965	10997		-	lw			Top rinse group
15970	10999		-	lw			Lower wash/rinse group
15975	10364		-	lw			Wash rotor
15980	12538		-	lw			Closed head rinse nozzle (minimum 3 pieces)
15985	10355		-	lw			Right wash pipe
15990	10356		-	lw			Left wash pipe
15995	10357		-	lw			Opened head wash nozzle (minimum 2 pieces)
16000	13009		-	lw			OR 2050 NBR O-ring (minimum 40 pieces)
16005	10358		-	lw			Closed head wash nozzle (minimum 3 pieces)
16010	10203		-	lw			Guide pipe
16015	18510		-	lw			Rinse axle
16020	13000		-	lw			OR 3125 NBR O-ring (minimum 5 pieces)
16025	13001		-	lw			OR 104 NBR O-ring (minimum 10 pieces)
16030	10205/A		-	lw			Lower wash turret with hole
16035	13003		-	lw			OR 112 NBR O-ring (minimum 10 pieces)
16040	12030		-	lw			3/8M Ø12 elbow pipe fitting
16045	11610		-	lw			Copper washer (minimum 10 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



17 006 e

Spare parts

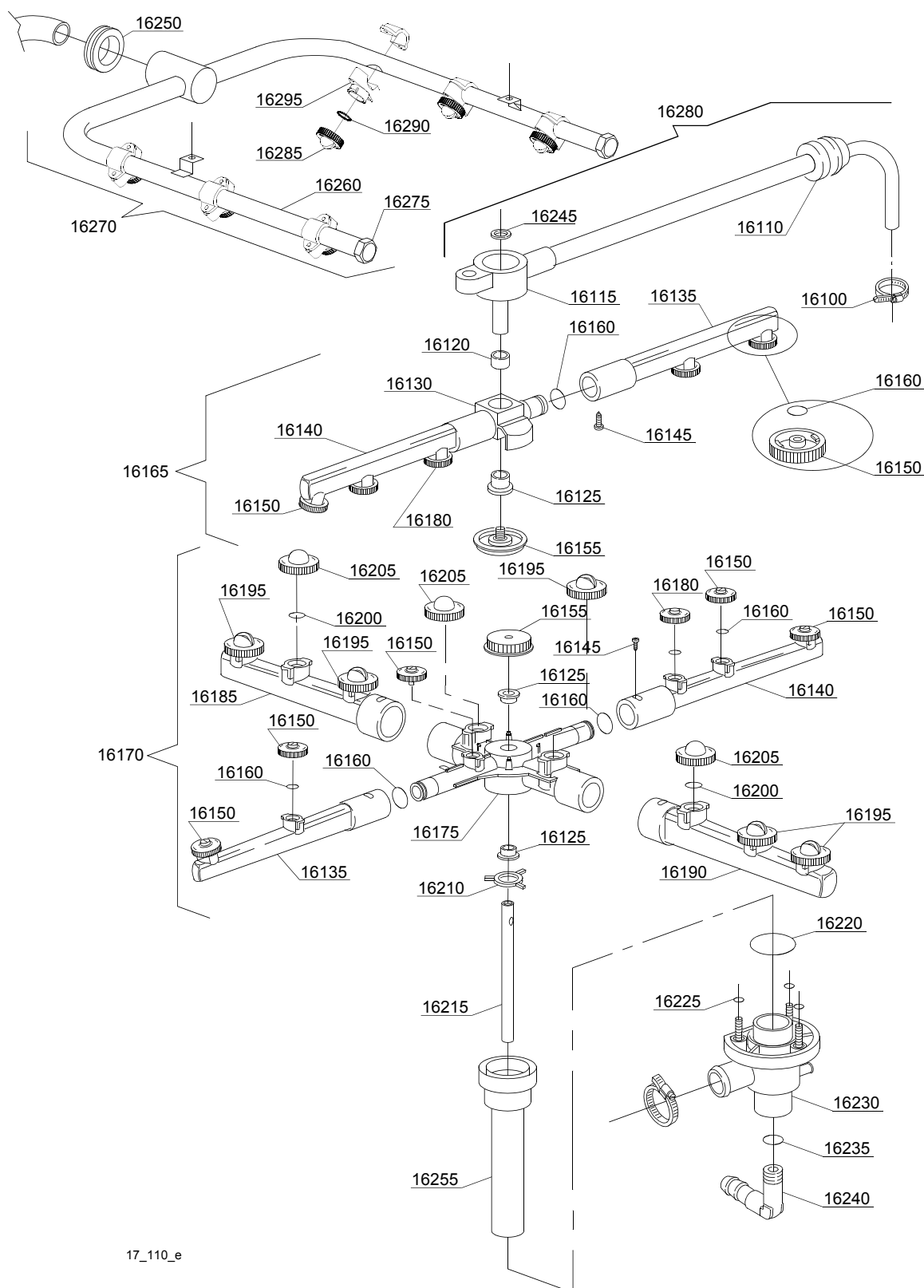
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
16050	13316		-	lw			43x10 blind O-ring
16055	18250/A		-	lw			Bell-shape assembly with pipe coupling
16060	10993		-	lw			Top rinse turret group

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



Spare parts

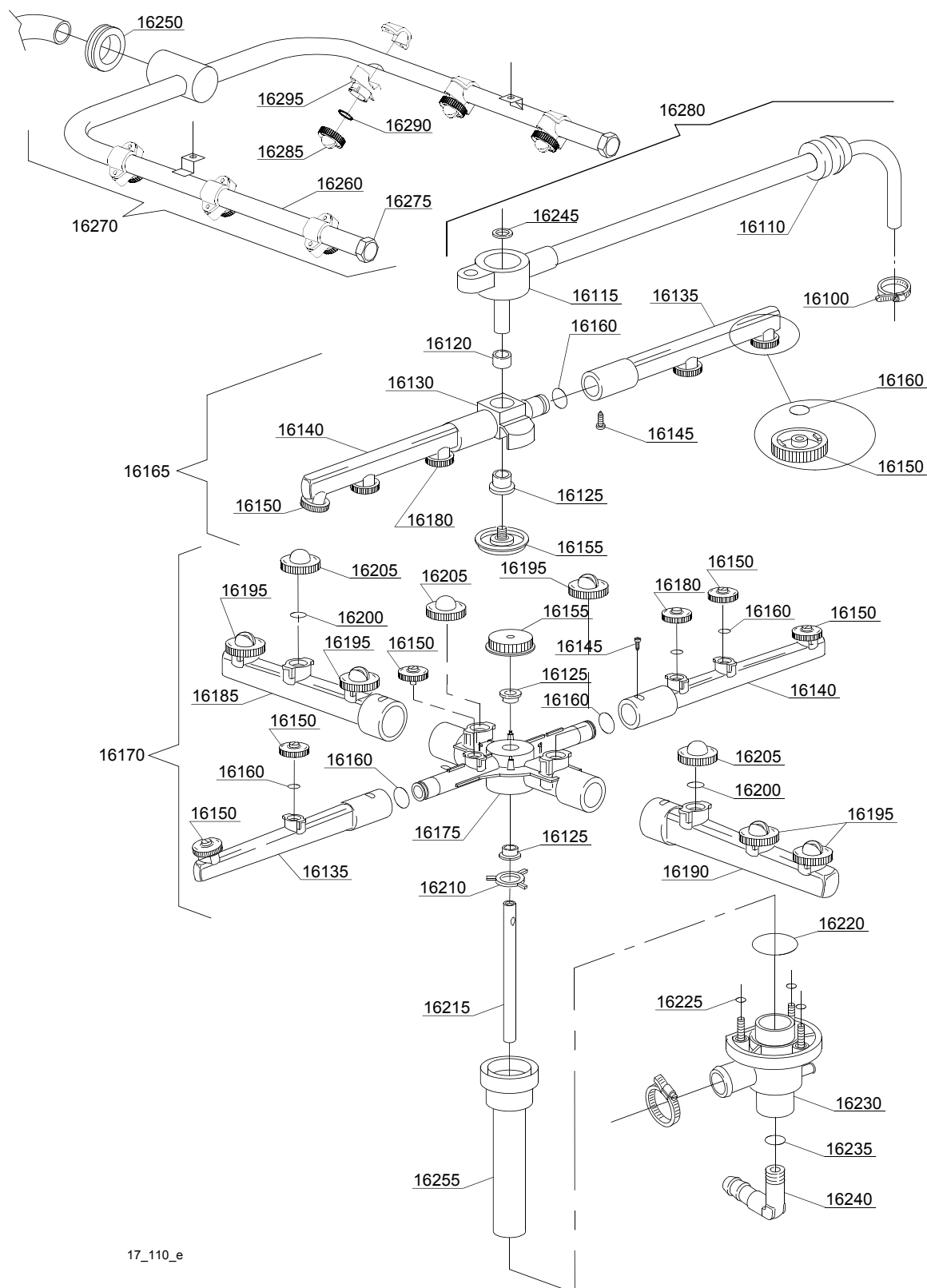
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
16100	11807		-	uw			12/22 clamp (minimum 3 pieces)
16110	13304		-	uw			Pipe-pass O-ring
16120	13320		-	uw			Sliding washer (minimum 3 pieces)
16125	13319		-	uw			Sliding washer (minimum 2 pieces)
16130	10359		-	uw			Rinse rotor
16135	10360		-	uw			Right rinse pipe
16140	10361		-	uw			Left rinse pipe
16145	11004		-	uw			4x10 TCB Ø8 spax toothed screw
16150	12537		-	uw			Opened head rinse nozzle (minimum 5 pieces)
16155	10365		-	uw			Handle with insert
16160	13002		-	uw			OR R6 NBR O-ring (minimum 10 pieces)
16165	10997		-	uw			Top rinse group
16170	10999		-	uw			Lower wash/rinse group
16175	10364		-	uw			Wash rotor
16180	12538		-	uw			Closed head rinse nozzle (minimum 3 pieces)
16185	10355		-	uw			Right wash pipe
16190	10356		-	uw			Left wash pipe
16195	10366		-	uw			1,9 opened head wash nozzle (minimum 2 pieces)
16200	13009		-	uw			OR 2050 NBR O-ring (minimum 40 pieces)
16205	10358		-	uw			Closed head wash nozzle (minimum 3 pieces)
16210	10203		-	uw			Guide pipe
16215	18510		-	uw			Rinse axle
16220	13000		-	uw			OR 3125 NBR O-ring (minimum 5 pieces)
16225	13001		-	uw			OR 104 NBR O-ring (minimum 10 pieces)
16230	10205/A		-	uw			Lower wash turret with hole
16235	13003		-	uw			OR 112 NBR O-ring (minimum 10 pieces)
16240	12030		-	uw			3/8M Ø12 elbow pipe fitting
16245	11610		-	uw			Copper washer (minimum 10 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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



Spare parts

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Turret group with rotating arms							
16250	13306/A		-	uw			Top wash ramp O-ring
16255	18250/A		-	uw			Bell-shape assembly with pipe coupling
16260	18134		-	uw			Top wash pipe
16265	10221		-	uw			Wash nozzle (minimum 2 pieces)
16270	16920		-	uw			Top wash group
16275	12503		-	uw			Plug
16280	10993		-	uw			Top rinse turret group
16285	10275		-	uw			Wash nozzle
16290	13009		-	uw			OR 2050 NBR O-ring (minimum 40 pieces)
16295	10378		-	uw			Nozzle (minimum 2 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING, uw=LOWER AND UPPER WASHING

4U=4U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, 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