

Зип Общепит

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# DISHWASHER

ELECTROMECHANICAL SWITCHES  
LOWER AND UPPER WASHING  
INSULATED MODEL

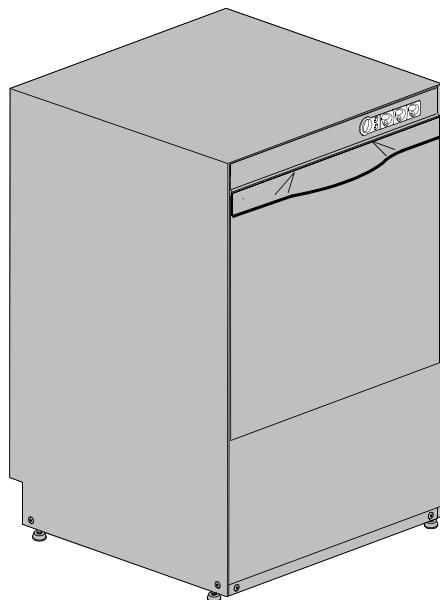
TYPE: 86U

Accessories  
BREAK TANK  
BOOSTER PUMP  
DVGW  
COLD RINSE  
WATER SOFTNER  
DETERGENT DISPENSER  
DRAIN PUMP

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## Spare Parts Manual

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### 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 Schuld;

**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 código 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 détachées

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 deuxième 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

| 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, en cas de transfert de propriété, doit toujours être remis au nouveau propriétaire. **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

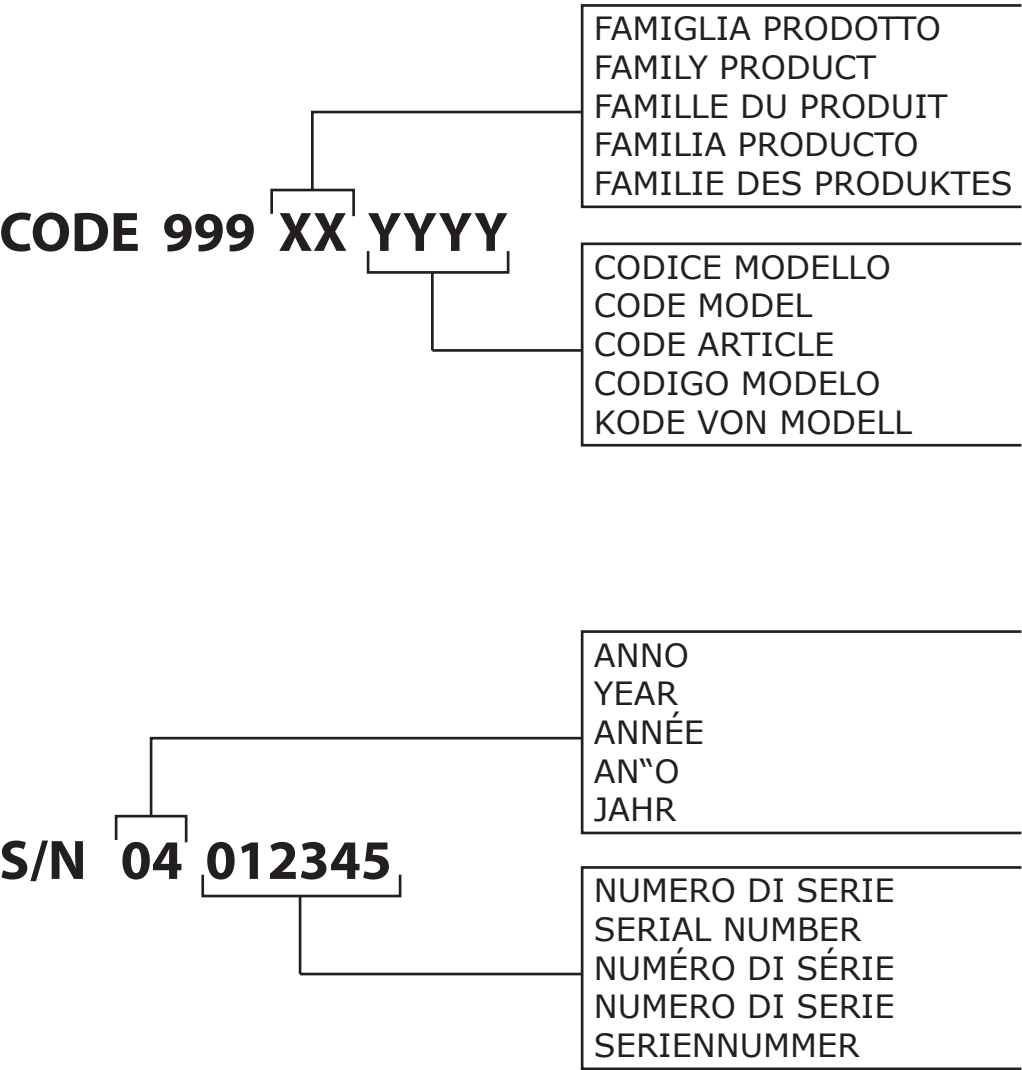
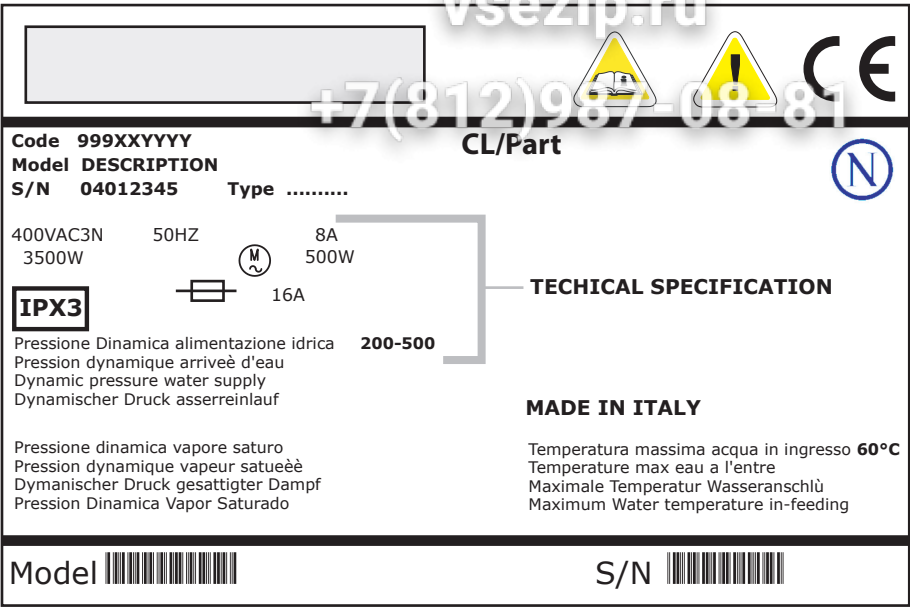
Die Der Hersteller behält sich das Recht vor, jegliche, durch eine Weiterentwicklung der genannten Produkte bedingte Änderungen vornehmen zu können.

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.



Spare parts

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## 1. Spare parts

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## 1.1 Voltage codes

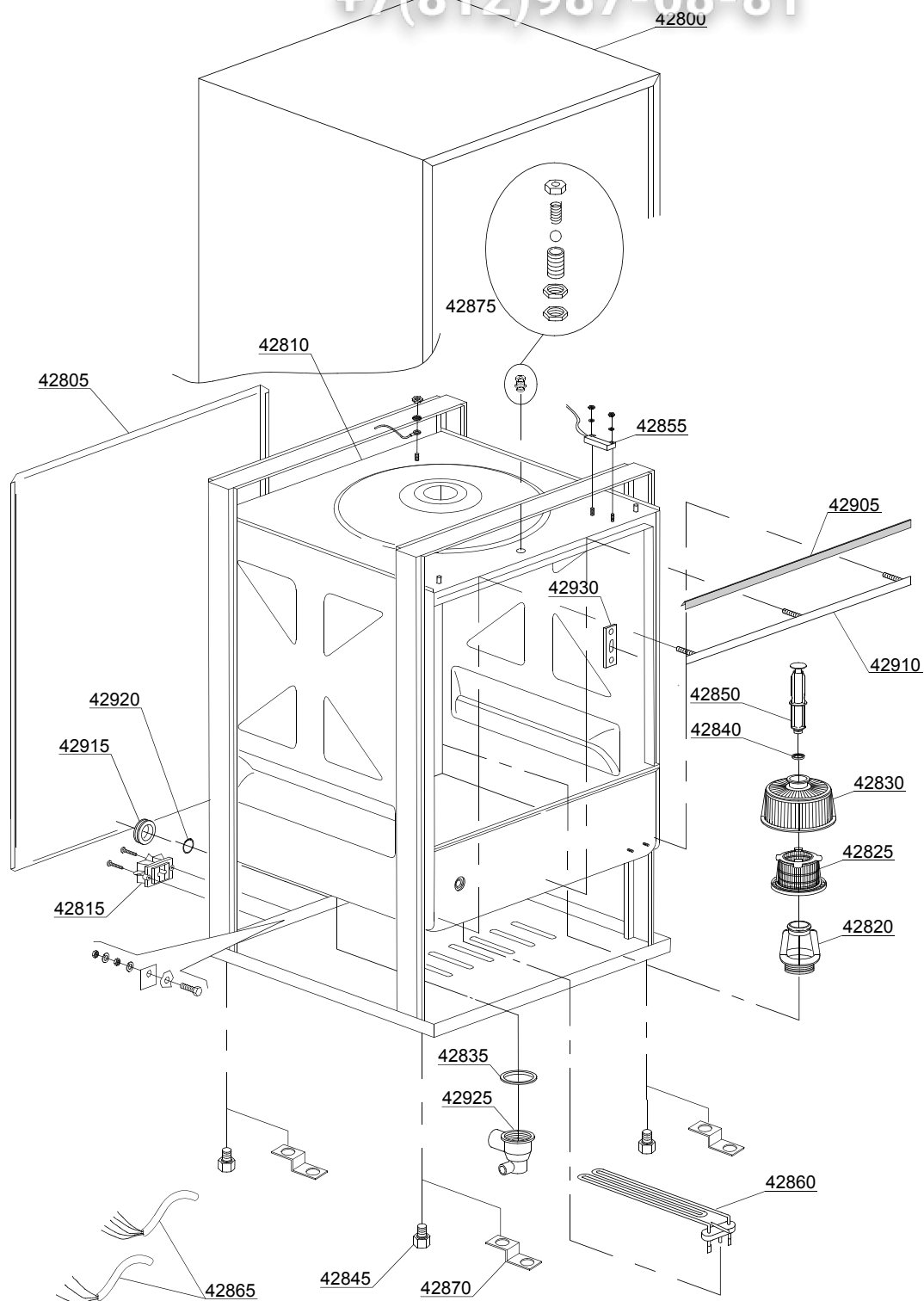
| Volt | Voltage code            |
|------|-------------------------|
| A    | 3/N/PE~380-400V 50-60Hz |
| D    | 3/PE~200-210V 50-60Hz   |
| F    | 2/PE~220-240V 50-60Hz   |
| G    | 3/N/PE~415V 50-60Hz     |
| H    | 3/PE~220-230V 50-60Hz   |
| K    | 3/PE~380-400V 50-60Hz   |
| L    | 3/PE~415V 50-60Hz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

## 1.2 Product codes

| Product code    | Full name                  |
|-----------------|----------------------------|
| Model codes     |                            |
| em              | ELECTROMECHANICAL SWITCHES |
| uw              | LOWER AND UPPER WASHING    |
| i               | INSULATED MODEL            |
| Type codes      |                            |
| 86U             | 86U                        |
| Accessory codes |                            |
| bt              | BREAK TANK                 |
| bp              | BOOSTER PUMP               |
| dvgw            | DVGW                       |
| cr              | COLD RINSE                 |
| ws              | WATER SOFTNER              |
| dd              | DETERGENT DISPENSER        |
| dp              | DRAIN PUMP                 |

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01\_038\_e

| ID                               | P-code  | SN from | SN to | Mod. | Acces. | Volt | Description                                   |
|----------------------------------|---------|---------|-------|------|--------|------|-----------------------------------------------|
| <b>Module:General body parts</b> |         |         |       |      |        |      |                                               |
| 42800                            | 451004  |         | -     |      |        |      | Cover                                         |
| 42805                            | 451005  |         | -     |      |        |      | Back panel                                    |
| 42810                            | 451000  |         | -     |      | ws     |      | Body                                          |
| 42810                            | 451001  |         | -     |      | ws     |      | Depuration Body                               |
| 42815                            | 15065/A |         | -     |      |        |      | Cable-fastener with screw                     |
| 42820                            | 500607  |         | -     |      |        |      | Ferrule with filter                           |
| 42825                            | 500600  |         | -     |      |        |      | Internal filter with rack                     |
| 42830                            | 500616  |         | -     |      |        |      | Suction filter                                |
| 42835                            | 80208   |         | -     |      |        |      | 95x75x3 O-ring (minimum 2 pieces)             |
| 42840                            | 13021   |         | -     |      |        |      | DEM 40 O-ring (minimum 2 pieces)              |
| 42845                            | 10851   |         | -     |      |        |      | High foot (minimum 4 pieces)                  |
| 42850                            | 500618  |         | -     |      |        |      | Overflow pipe                                 |
| 42855                            | 10778   |         | -     |      |        |      | Reed magnet                                   |
| 42860                            | 150047  |         | -     |      |        |      | 2,7/2,94KW 230/240V heating element           |
| 42860                            | 16035/A |         | -     |      |        |      | 1850/2020W 230/240V 50Hz heating element      |
| 42865                            | 15118   |         | -     |      |        |      | 5x2,5x2500 cable                              |
| 42865                            | 15104/B |         | -     |      |        |      | 3x4x2500 cable                                |
| 42865                            | 10713   |         | -     |      |        |      | 3x2,5x2500 cable                              |
| 42875                            | 10775   |         | -     |      |        |      | Door jack assembly                            |
| 42905                            | 135205  |         | -     |      |        |      | Door O-ring                                   |
| 42910                            | 451006  |         | -     |      |        |      | Door O-ring angular                           |
| 42915                            | 13317   |         | -     |      |        |      | D.40mm unloading pipe pass (minimum 2 pieces) |
| 42920                            | 13323   |         | -     |      |        |      | D.13mm dosing pipe pass (minimum 2 pieces)    |
| 42925                            | 500606  |         | -     |      |        |      | Right side scrap tray                         |
| 42930                            | 150401  |         | -     |      |        |      | Door rod slide (minimum 4 pieces)             |

em=ELECTROMECHANICAL SWITCHES, uw=LOWER AND UPPER WASHING, i=INSULATED MODEL

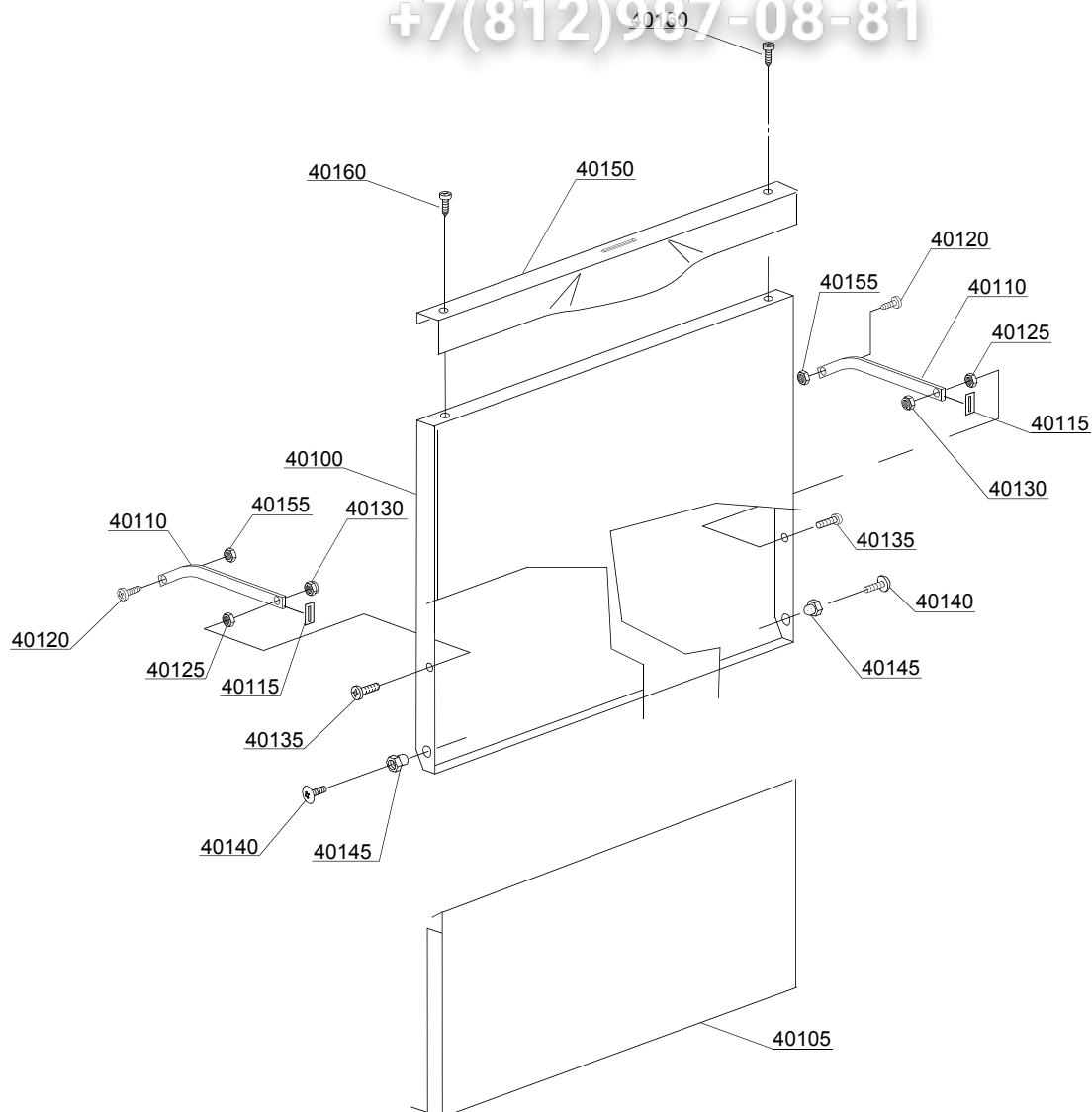
86U=86U

bt=BREAK TANK, bp=BOOSTER PUMP, dvgw=DVGW, 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

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02\_302ce

| ID                           | P-code | SN from | SN to | Mod. | Acces | Volt | Description                                     |
|------------------------------|--------|---------|-------|------|-------|------|-------------------------------------------------|
| <b>Module: Lockup system</b> |        |         |       |      |       |      |                                                 |
| 40100                        | 451002 |         | -     |      |       |      | Door                                            |
| 40105                        | 451003 |         | -     |      |       |      | Lower door                                      |
| 40110                        | 150221 |         | -     |      |       |      | Right/left door rod                             |
| 40115                        | 135222 |         | -     |      |       |      | Hinge door seal                                 |
| 40120                        | 11121  |         | -     |      |       |      | M4x8 screw (minimum 20 pieces)                  |
| 40125                        | 11706  |         | -     |      |       |      | M6 stainless steel nut (minimum 20 pieces)      |
| 40130                        | 11721  |         | -     |      |       |      | M6 self-locking nut (minimum 10 pieces)         |
| 40135                        | 11111  |         | -     |      |       |      | M6x16 stainless steel screw (minimum 10 pieces) |
| 40140                        | 11168  |         | -     |      |       |      | M6x12 stainless steel screw                     |
| 40145                        | 510602 |         | -     |      |       |      | Bush                                            |
| 40150                        | 451011 |         | -     |      |       |      | Stainless steel handle                          |
| 40155                        | 11703  |         | -     |      |       |      | M4 inox Plated nut                              |
| 40160                        | 11220  |         | -     |      |       |      | M4x14 screw                                     |

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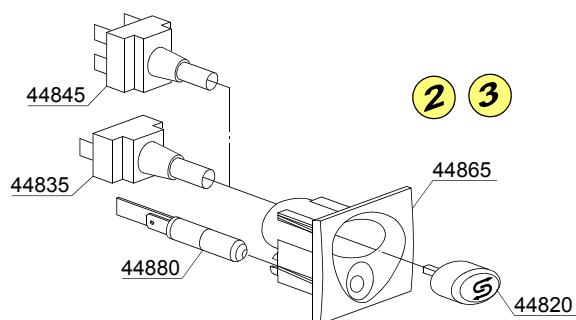
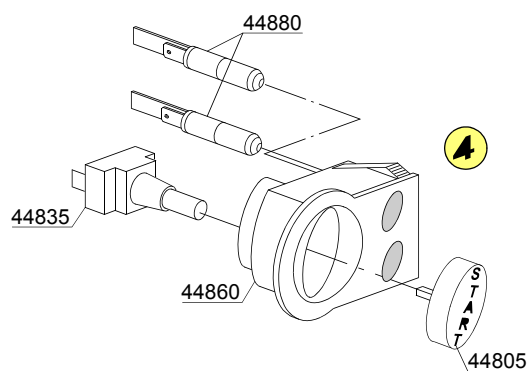
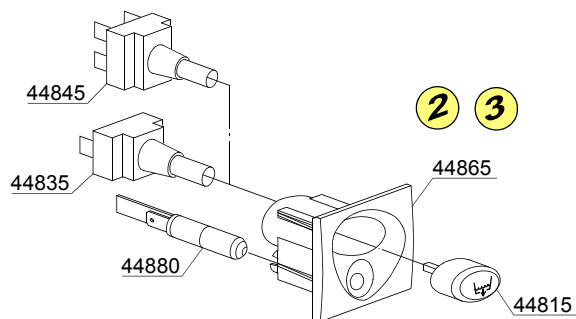
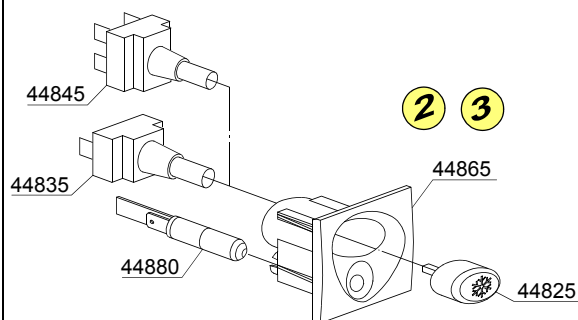
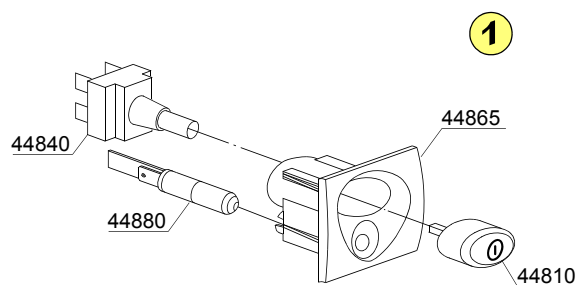
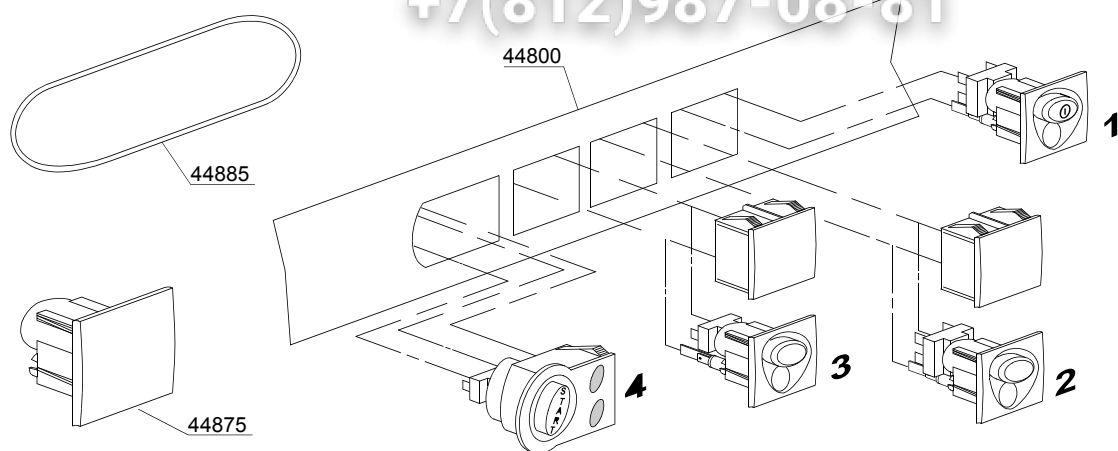
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03\_055ae

| ID                                       | P-code | SN from | SN to | Mod. | Acces.   | Volt | Description                      |
|------------------------------------------|--------|---------|-------|------|----------|------|----------------------------------|
| <b>Module:Control panel and switches</b> |        |         |       |      |          |      |                                  |
| 44800                                    | 451008 |         | -     | em   |          |      | Control panel                    |
| 44805                                    | 89347  |         | -     | em   |          |      | Start push button                |
| 44810                                    | 89340  |         | -     | em   |          |      | ON-OFF push button               |
| 44815                                    | 89343  |         | -     | em   | dp       |      | Drain pump push button           |
| 44820                                    | 89345  |         | -     | em   | ws       |      | Regeneration push button         |
| 44825                                    | 89344  |         | -     | em   | cr       |      | Hot/cold push button             |
| 44830                                    | 89342  |         | -     | em   |          |      | Time selector switch push button |
| 44835                                    | 15813  |         | -     | em   |          |      | 16A unipolar switch              |
| 44840                                    | 15812  |         | -     | em   |          |      | 16A switch                       |
| 44845                                    | 15800  |         | -     | em   |          |      | 16A bipolar switch               |
| 44860                                    | 89301  |         | -     | em   |          |      | Start push button support        |
| 44865                                    | 89304  |         | -     | em   |          |      | Push button support              |
| 44870                                    | 89302  |         | -     | em   | dp,ws,cr |      | Push button support              |
| 44875                                    | 89303  |         | -     | em   |          |      | Closed support                   |
| 44880                                    | 15826  |         | -     | em   |          |      | Pilot light 220V                 |
| 44885                                    | 89333  |         | -     | em   |          |      | OR O-ring (minimum 3 pieces)     |

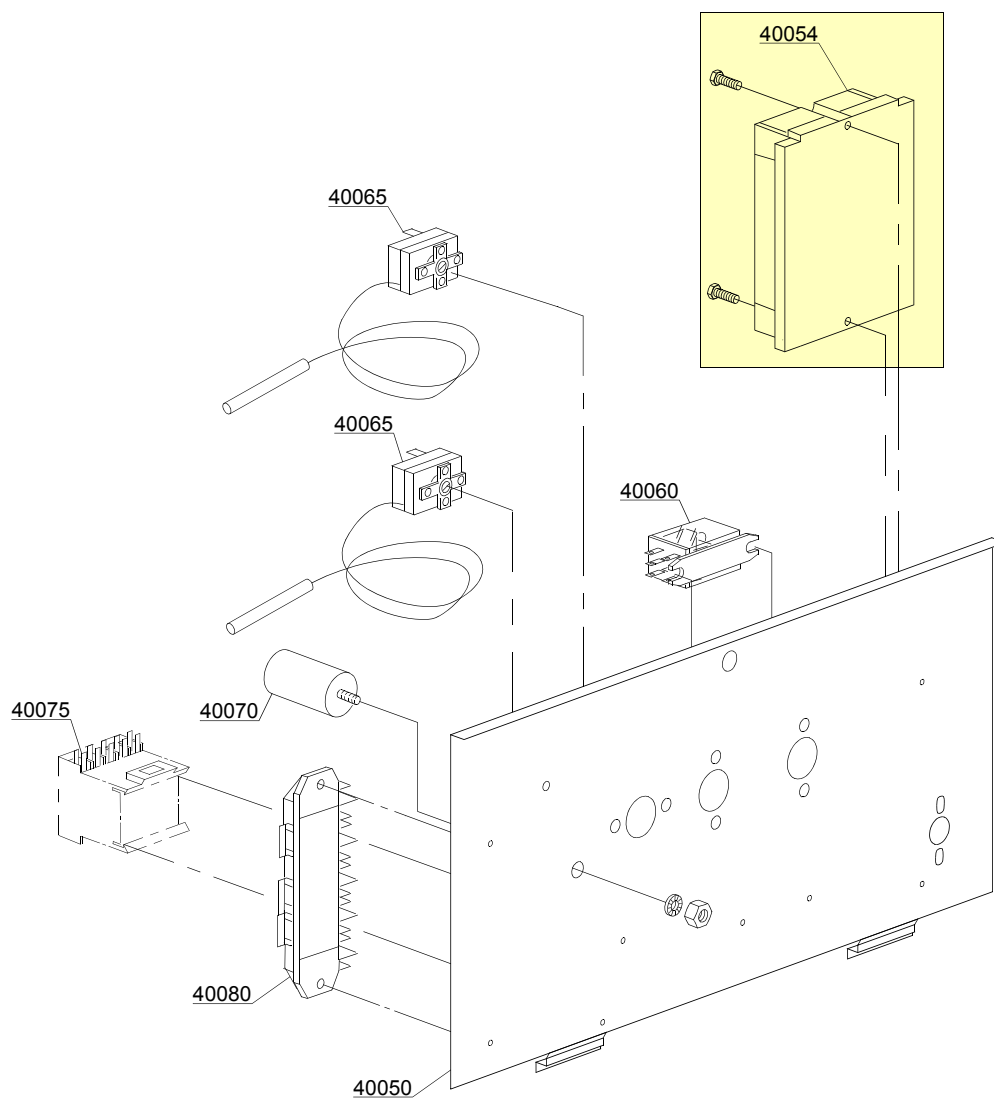
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04\_026be



| ID                                         | P-code  | SN from | SN to | Mod. | Acces. | Volt | Description                                      |
|--------------------------------------------|---------|---------|-------|------|--------|------|--------------------------------------------------|
| <b>Module: Electric control components</b> |         |         |       |      |        |      |                                                  |
| 40050                                      | 510008  |         | -     |      |        |      | Electric component panel                         |
| 40054                                      | 50553   |         | -     |      | ws,dp  |      | 3 times electronic timer with regeneration+PS+TS |
| 40060                                      | 560301  |         | -     |      |        |      | 16A bipolar relay in deviation                   |
| 40065                                      | 10707/1 |         | -     |      |        |      | 0-90°C thermostat                                |
| 40070                                      | 15149   |         | -     |      |        |      | Low noise filter                                 |
| 40075                                      | 15086   |         | -     |      |        |      | Contacteur 230V 50/60Hz 4C                       |
| 40080                                      | 500550  |         | -     |      |        |      | 3 poles terminal board                           |
| 40080                                      | 500551  |         | -     |      |        |      | 6 poles terminal board                           |

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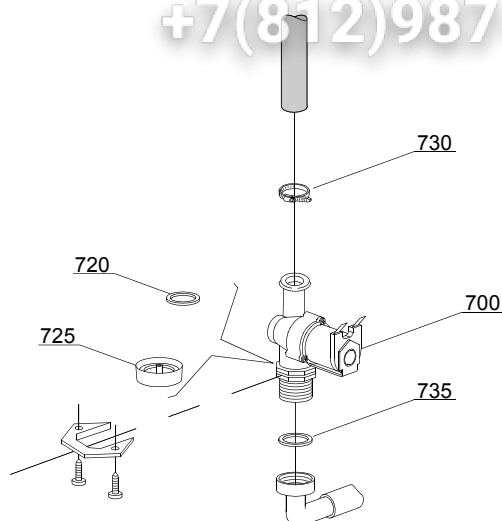
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| ID                                  | P-code | SN from | SN to | Mod. | Acces. | Volt | Description                    |
|-------------------------------------|--------|---------|-------|------|--------|------|--------------------------------|
| <b>Module: Solenoid valve group</b> |        |         |       |      |        |      |                                |
| 700                                 | 10703  |         | -     | i,em |        |      | Single solenoid valve - 230Vac |
| 720                                 | N.C.   |         | -     | i,em |        |      | Pression reducing valve        |
| 730                                 | 11807  |         | -     | i,em |        |      | 12/22 clamp (minimum 3 pieces) |
| 735                                 | 13307  |         | -     | i,em |        |      | 3/4 gasket                     |

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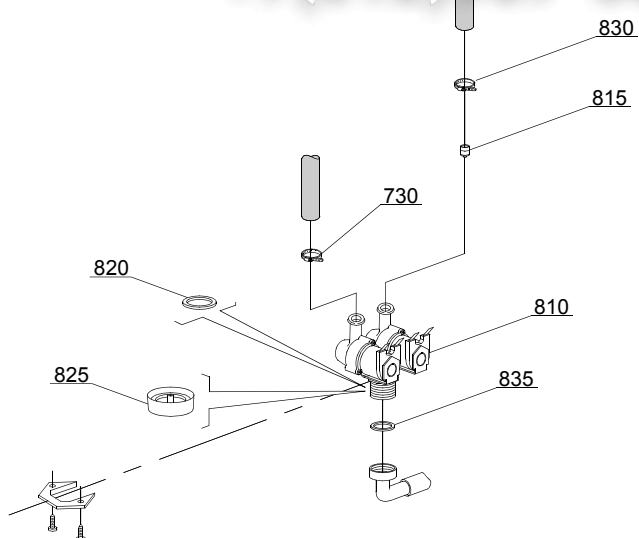
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| ID                                  | P-code | SN from | SN to | Mod. | Acces. | Volt | Description                                                      |
|-------------------------------------|--------|---------|-------|------|--------|------|-----------------------------------------------------------------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

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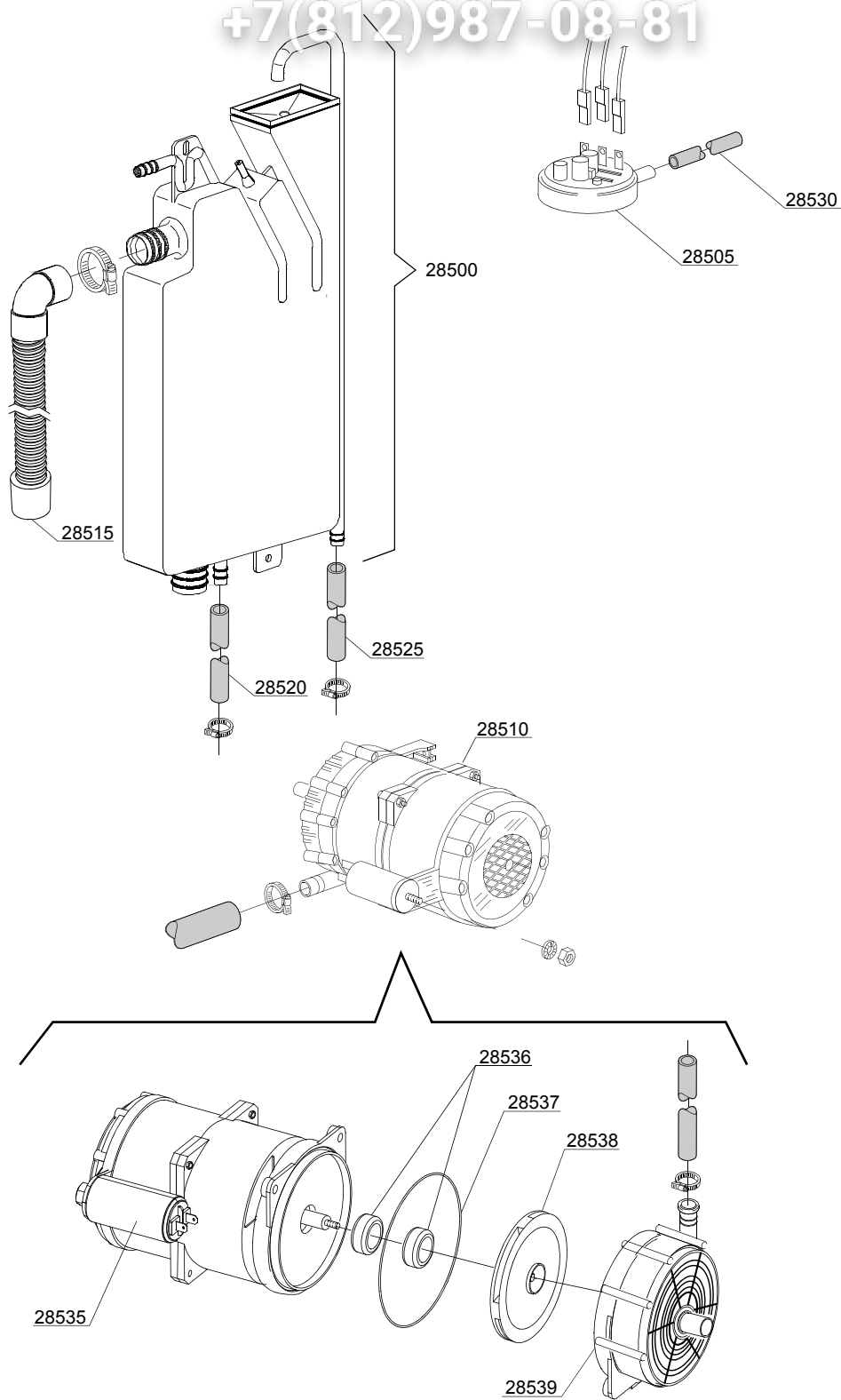
86U=86U

bt=BREAK TANK, bp=BOOSTER PUMP, dvgw=DVGW, 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

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06\_004ae

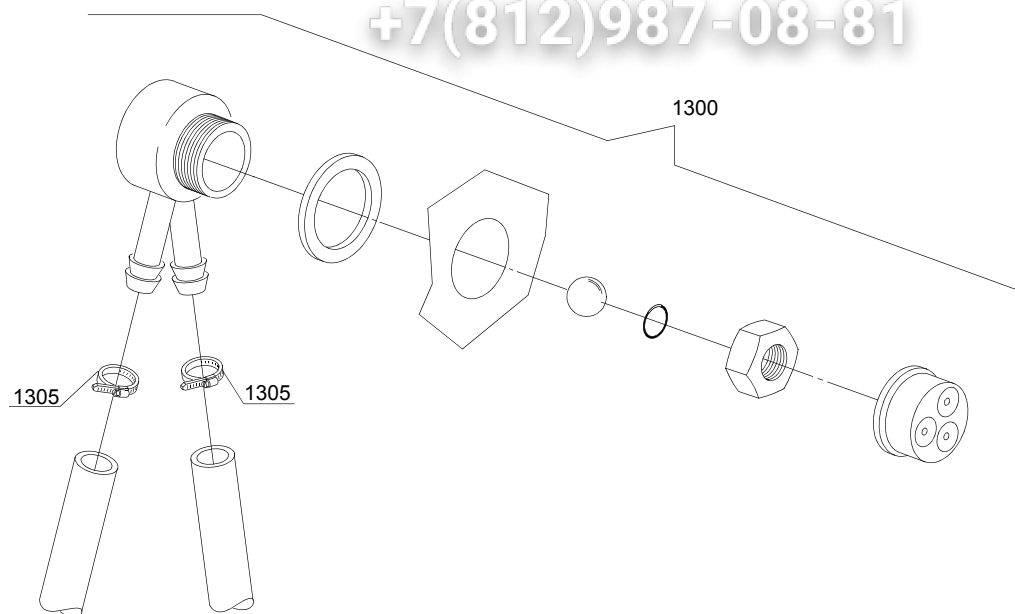
| ID                       | P-code  | SN from | SN to | Mod. | Acces. | Volt | Description                                   |
|--------------------------|---------|---------|-------|------|--------|------|-----------------------------------------------|
| <b>Module:Break Tank</b> |         |         |       |      |        |      |                                               |
| 28500                    | 15735   |         | -     | i,em | bt     |      | Break tank assembly                           |
| 28505                    | 10706/A |         | -     | i,em | bt     |      | 47-27 pressure switch                         |
| 28510                    | 15100/D |         | -     | i,em | bt     |      | Booster pump 220/240V - body pumps in plastic |
| 28515                    | 15721   |         | -     | i,em | bt     |      | BT long pipe L=1070                           |
| 28515                    | 15722   |         | -     | i,em | bt     |      | BT middle pipe L=920                          |
| 28515                    | 15723   |         | -     | i,em | bt     |      | BT small pipe L=690                           |
| 28520                    | 2907350 |         | -     | i,em | bt     |      | 12x20 EPDM rubber hose                        |
| 28525                    | 2907352 |         | -     | i,em | bt     |      | PVC WRAS rubber hose                          |
| 28530                    | 14508   |         | -     | i,em | bt     |      | 4,5x9 EPDM rubber hose (minimum 2 mt)         |
| 28535                    | 10702   |         | -     | i,em | bt     |      | 5 uF condenser - 450V                         |
| 28536                    | 15100/S |         | -     | i,em | bt     |      | Rotating seals                                |
| 28537                    | 15100/T |         | -     | i,em | bt     |      | OR-(O-ring) gasket EPDM                       |
| 28538                    | 15100/U |         | -     | i,em | bt     |      | Pump rotor                                    |
| 28539                    | 15100/V |         | -     | i,em | bt     |      | Scroll                                        |

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86U=86U

bt=BREAK TANK, bp=BOOSTER PUMP, dvgw=DVGW, 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



08\_005\_e

| ID                 | P-code    | SN from | SN to | Mod. | Acces. | Volt | Description                    |
|--------------------|-----------|---------|-------|------|--------|------|--------------------------------|
| <b>Module:DVGW</b> |           |         |       |      |        |      |                                |
| 1300               | 999900006 |         | -     | i,em | dvgw   |      | DVGW assembly                  |
| 1305               | 11807     |         | -     | i,em | dvgw   |      | 12/22 clamp (minimum 3 pieces) |

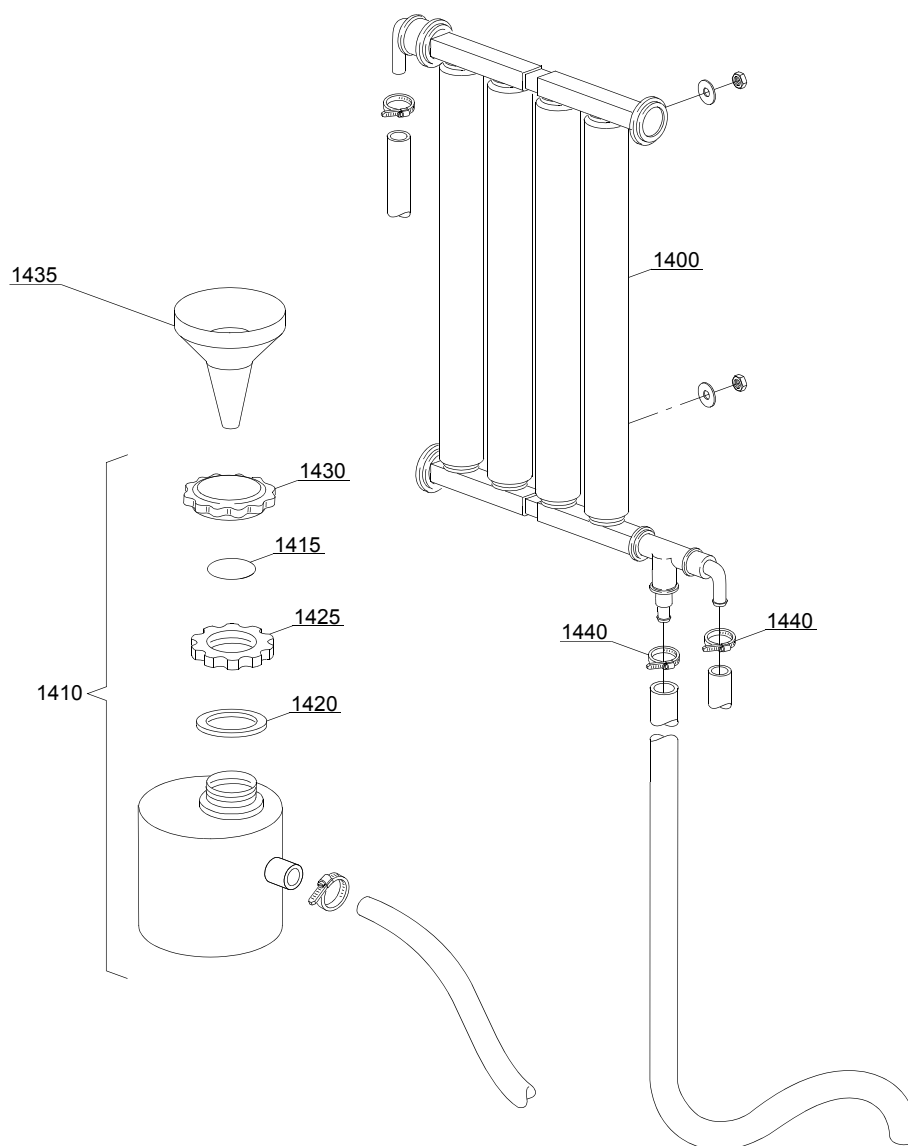
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86U=86U

bt=BREAK TANK, bp=BOOSTER PUMP, dvgw=DVGW, 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                    |
|------------------------------------|---------|---------|-------|-----|--------|------|--------------------------------|
| <b>Module: Water softner group</b> |         |         |       |     |        |      |                                |
| 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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86U=86U

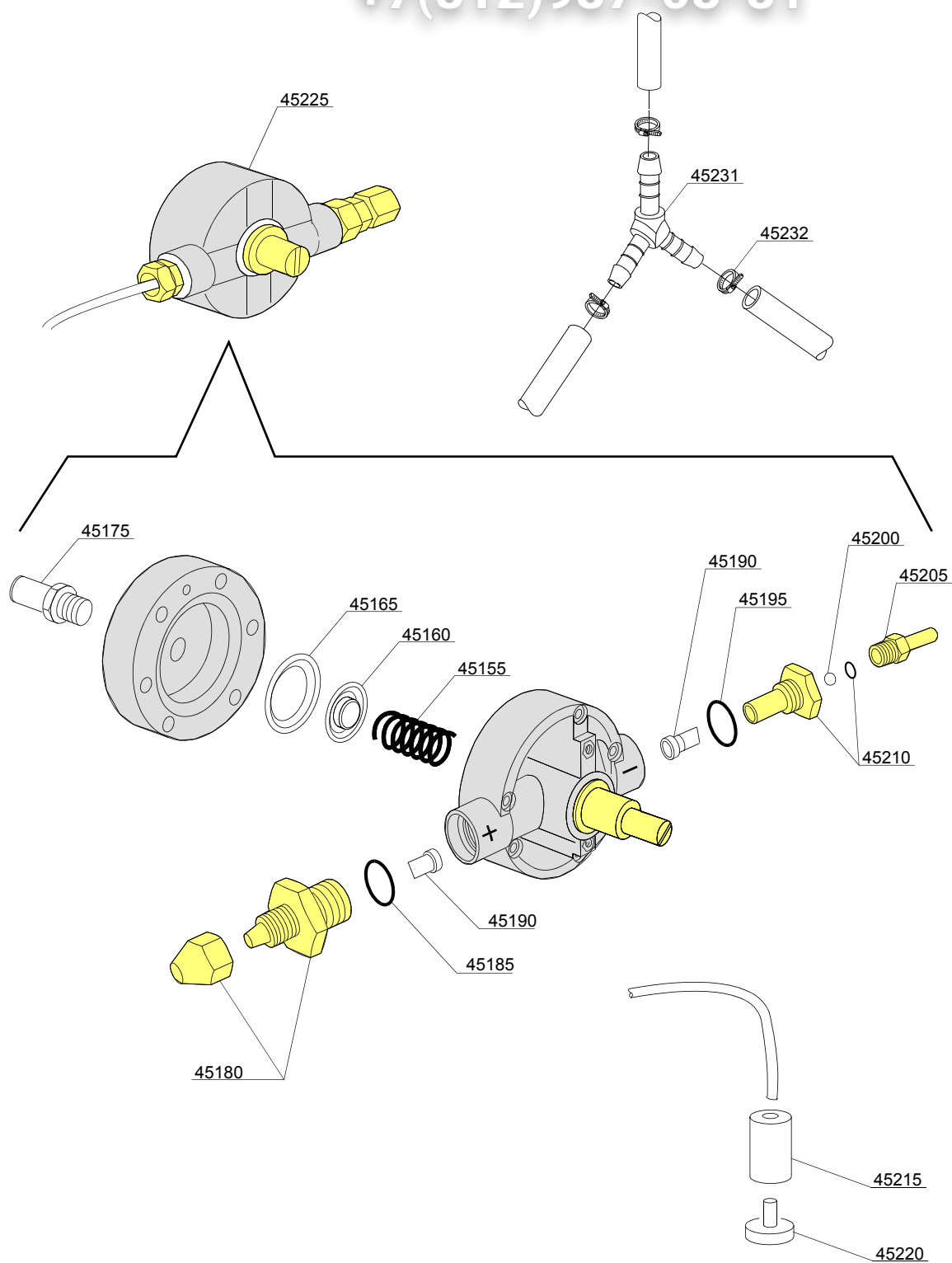
bt=BREAK TANK, bp=BOOSTER PUMP, dvgw=DVGW, cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

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

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10\_001be



| ID                                       | P-code  | SN from | SN to | Mod  | Acces. | Volt | Description                      |
|------------------------------------------|---------|---------|-------|------|--------|------|----------------------------------|
| <b>Module: Rinse aid dispenser group</b> |         |         |       |      |        |      |                                  |
| 45155                                    | 10705/M |         | -     | i,em |        |      | Spring                           |
| 45160                                    | 10705/N |         | -     | i,em |        |      | Disc to membrane                 |
| 45165                                    | 10750/O |         | -     | i,em |        |      | Membrane                         |
| 45175                                    | 12506   |         | -     | i,em |        |      | Rubber-holder Ø 10mm             |
| 45180                                    | 10705/G |         | -     | i,em |        |      | Pipe fitting                     |
| 45185                                    | 10705/C |         | -     | i,em |        |      | OR-gasket                        |
| 45190                                    | 10705/D |         | -     | i,em |        |      | Silicone valve                   |
| 45195                                    | 10705/C |         | -     | i,em |        |      | OR-gasket                        |
| 45200                                    | 10705/T |         | -     | i,em |        |      | Sphere made of Teflon            |
| 45205                                    | 10705/R |         | -     | i,em |        |      | Brass pipe fitting               |
| 45210                                    | 10705/E |         | -     | i,em |        |      | OR-gasket Guide valve            |
| 45215                                    | 12525   |         | -     | i,em |        |      | Ballast                          |
| 45220                                    | 15058   |         | -     | i,em |        |      | Small filter (minimum 3 pieces)  |
| 45225                                    | 10799/G |         | -     | i,em |        |      | GERMAC rinse aid dispenser       |
| 45231                                    | 540091  |         | -     | i,em |        |      | Ø12 mm plastic 3 ways connection |
| 45232                                    | 11807   |         | -     | i,em |        |      | Clamp 12-22 (minimum 3 pieces)   |

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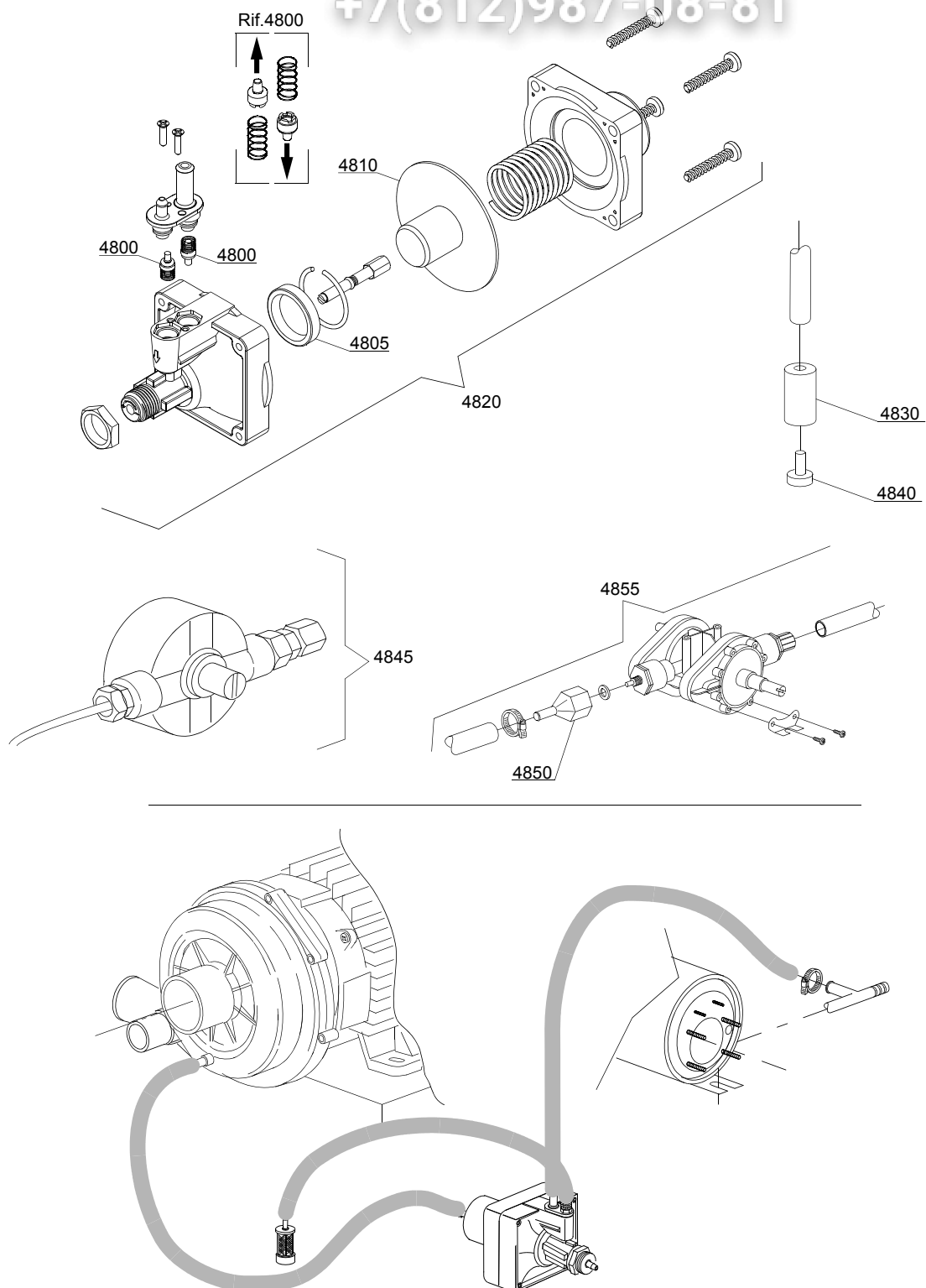
86U=86U

bt=BREAK TANK, bp=BOOSTER PUMP, dvgw=DVGW, 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

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10\_004Ke

| ID                                       | P-code  | SN from | SN to | Mod. | Acces. | Volt | Description                     |
|------------------------------------------|---------|---------|-------|------|--------|------|---------------------------------|
| <b>Module: Rinse aid dispenser group</b> |         |         |       |      |        |      |                                 |
| 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        |

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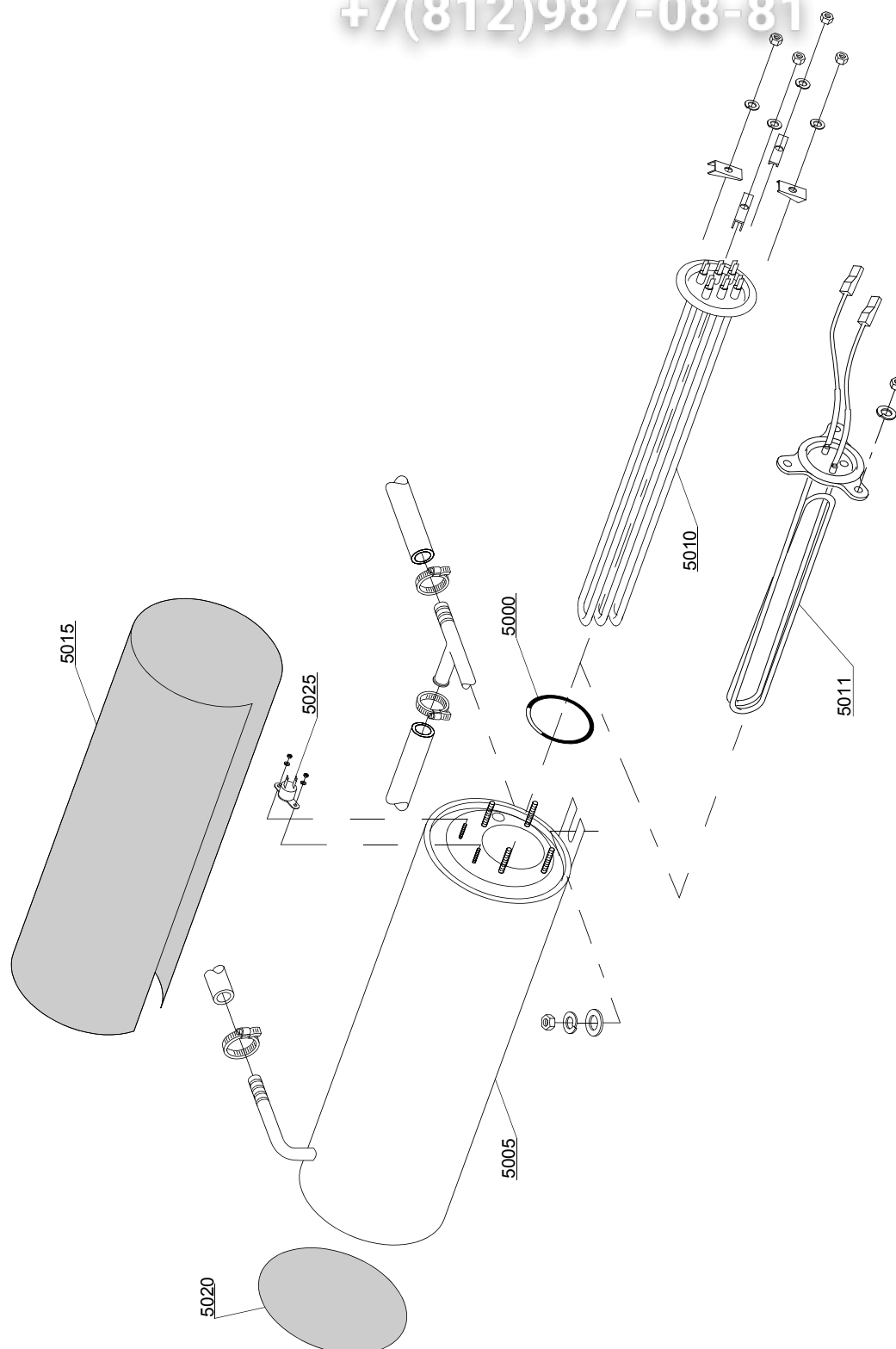
86U=86U

bt=BREAK TANK, bp=BOOSTER PUMP, dvgw=DVGW, 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

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11\_002ce

| ID                         | P-code  | SN from | SN to | Mod. | Acces. | Volt | Description                          |
|----------------------------|---------|---------|-------|------|--------|------|--------------------------------------|
| <b>Module:Boiler group</b> |         |         |       |      |        |      |                                      |
| 5000                       | 13005   |         | -     | i,em |        |      | OR 151 NBR O-ring (minimum 5 pieces) |
| 5005                       | 150905  |         | -     | i,em |        |      | Boiler                               |
| 5010                       | 15089   |         | -     | i,em |        |      | 4,5/4,9KW 230/240V 3 heating element |
| 5010                       | 15046   |         | -     | i,em |        |      | 3/3,27KW 230/240V 3 heating element  |
| 5011                       | 15089/D |         | -     | i,em |        |      | 2,8/3,0 KW 230/240V heating element  |
| 5015                       | 15066   |         | -     | i,em |        |      | Insulation boiler                    |
| 5020                       | 15205   |         | -     | i,em |        |      | Ø160 End piece (minimum 2 pieces)    |
| 5025                       | 15550   |         | -     | i,em |        |      | Safety thermostat                    |

em=ELECTROMECHANICAL SWITCHES, uw=LOWER AND UPPER WASHING, i=INSULATED MODEL

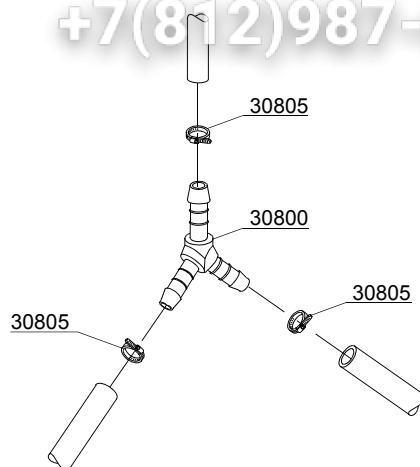
86U=86U

bt=BREAK TANK, bp=BOOSTER PUMP, dvgw=DVGW, 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

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12\_003ae

| ID                              | P-code | SN from | SN to | Mod  | Acces. | Volt | Description                      |
|---------------------------------|--------|---------|-------|------|--------|------|----------------------------------|
| <b>Module:3 ways connection</b> |        |         |       |      |        |      |                                  |
| 30800                           | 540091 |         | -     | i,em |        |      | Ø12 mm plastic 3 ways connection |
| 30805                           | 11807  |         | -     | i,em |        |      | 12/22 clamp (minimum 3 pieces)   |

em=ELECTROMECHANICAL SWITCHES, uw=LOWER AND UPPER WASHING, i=INSULATED MODEL

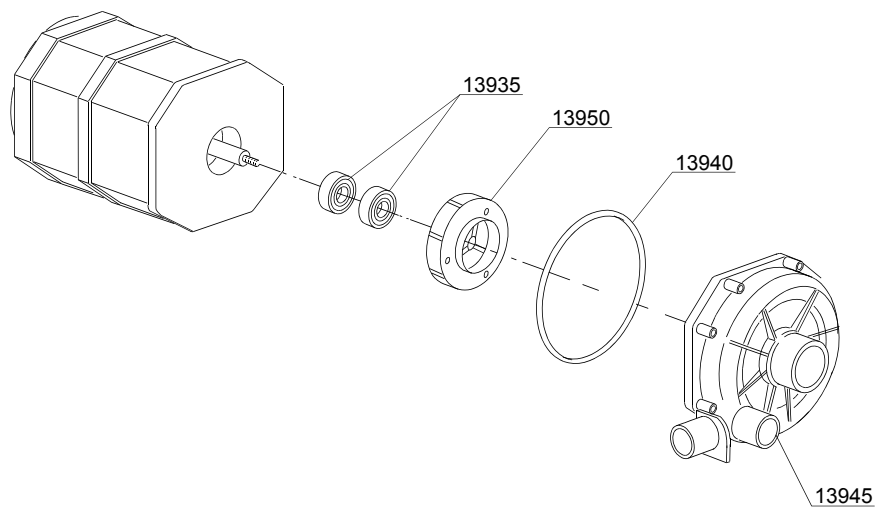
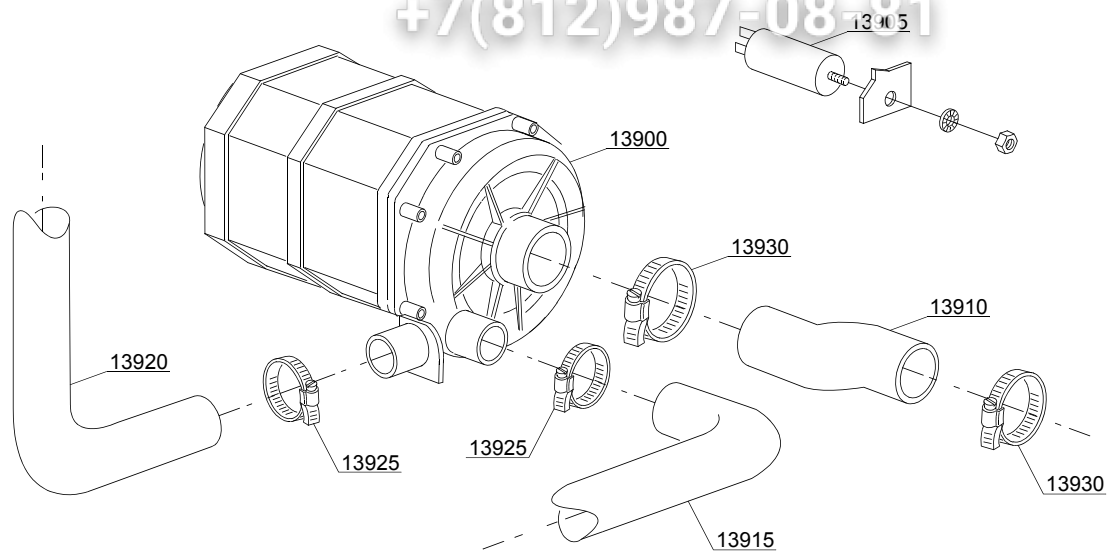
86U=86U

bt=BREAK TANK, bp=BOOSTER PUMP, dvgw=DVGW, 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

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13\_110\_e

| ID                       | P-code   | SN from | SN to | Mod. | Acces. | Volt | Description                       |
|--------------------------|----------|---------|-------|------|--------|------|-----------------------------------|
| <b>Module: Wash pump</b> |          |         |       |      |        |      |                                   |
| 13900                    | 150914   |         | -     | uw   |        |      | 0,70Hp wash pump - 230Vac 50Hz    |
| 13900                    | 150915   |         | -     | uw   |        |      | 0,70Hp wash pump - 230Vac 60Hz    |
| 13905                    | 15081    |         | -     | uw   |        |      | 12,5 uF condenser                 |
| 13910                    | 25032/A  |         | -     | uw   |        |      | Suction pipe coupling             |
| 13915                    | 150049   |         | -     | uw   |        |      | Lower wash pipe coupling          |
| 13920                    | 150048/A |         | -     | uw   |        |      | Wash ramp                         |
| 13925                    | 11806    |         | -     | uw   |        |      | 25/40 clamp (minimum 2 pieces)    |
| 13930                    | 11809    |         | -     | uw   |        |      | 30/45 clamp (minimum 2 pieces)    |
| 13935                    | 15080    |         | -     | uw   |        |      | Rotating seals                    |
| 13940                    | 7130     |         | -     | uw   |        |      | OR pump O-ring (minimum 2 pieces) |
| 13945                    | 16182    |         | -     | uw   |        |      | Scroll                            |
| 13950                    | 15079/F  |         | -     | uw   |        |      | Pump rotor                        |

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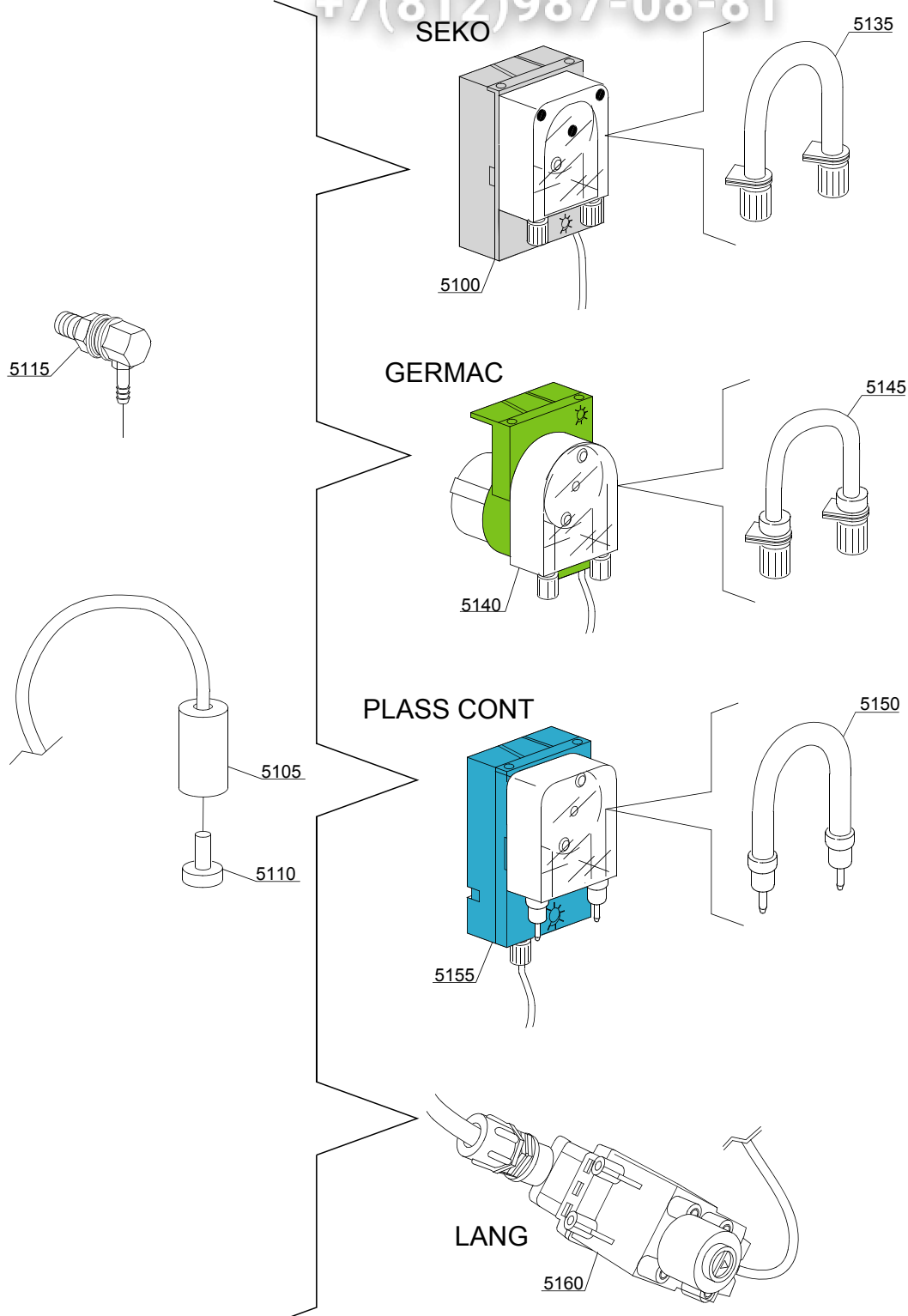
86U=86U

bt=BREAK TANK, bp=BOOSTER PUMP, dvgw=DVGW, 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

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14\_004\_e

| ID                                   | P-code  | SN from | SN to | Mod. | Acces. | Volt | Description                       |
|--------------------------------------|---------|---------|-------|------|--------|------|-----------------------------------|
| <b>Module:Dosing detergent group</b> |         |         |       |      |        |      |                                   |
| 5100                                 | 15985   |         | -     | i,em | dd     |      | Seko detergent pump               |
| 5105                                 | 12525   |         | -     | i,em | dd     |      | Ballast                           |
| 5110                                 | 15058   |         | -     | i,em | dd     |      | Small filter (minimum 3 pieces)   |
| 5115                                 | 15123   |         | -     | i,em | dd     |      | Compleat stainless steel injector |
| 5135                                 | 15185   |         | -     | i,em | dd     |      | Seko thermoplastic pipe           |
| 5140                                 | 15985   |         | -     | i,em | dd     |      | Germac detergent pump             |
| 5145                                 | 15108/E |         | -     | i,em | dd     |      | Germac thermoplastic pipe         |
| 5150                                 | 15985/A |         |       | i,em | dd     |      | Plas Cont thermoplastic pipe      |
| 5155                                 | 15985   |         |       | i,em | dd     |      | Plas Cont detergent pump          |
| 5160                                 | 15108/L |         |       | i,em | dd     |      | LANG detergent pump               |

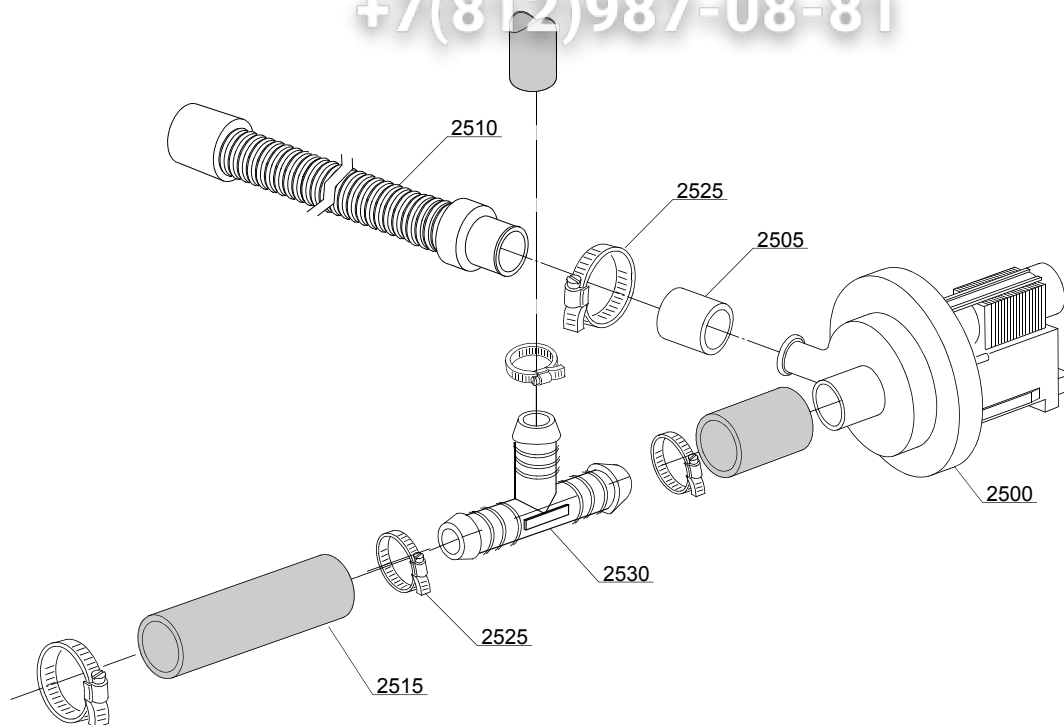
em=ELECTROMECHANICAL SWITCHES, uw=LOWER AND UPPER WASHING, i=INSULATED MODEL  
86U=86U

bt=BREAK TANK, bp=BOOSTER PUMP, dvgw=DVGW, cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

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15\_004be

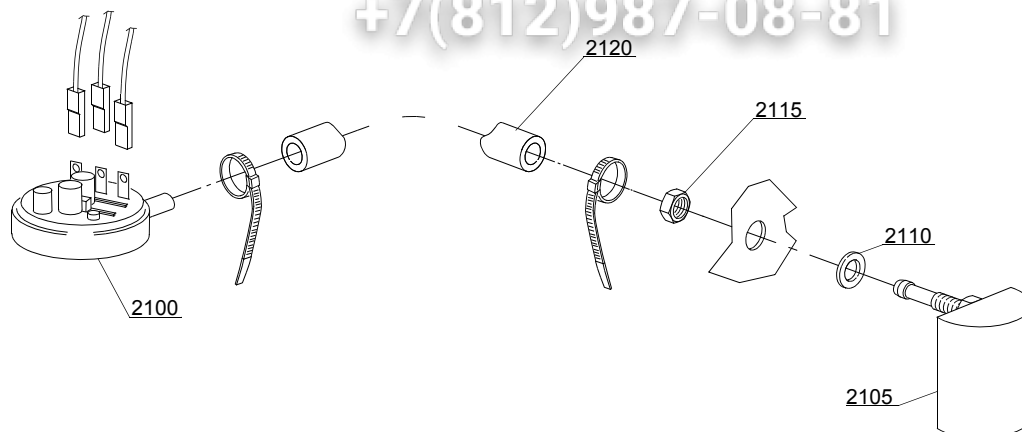
| ID                              | P-code  | SN from | SN to | Mod. | Acces | Volt | Description                              |
|---------------------------------|---------|---------|-------|------|-------|------|------------------------------------------|
| <b>Module: Drain pump group</b> |         |         |       |      |       |      |                                          |
| 2500                            | 15101   |         | -     | em,i | dp    |      | Drain pump 220/240V 50Hz                 |
| 2505                            | 15101/D |         | -     | em,i | dp    |      | Pipe fitting (minimum 3 pieces)          |
| 2510                            | 10727   |         | -     | em,i | dp    |      | Drain pipe                               |
| 2515                            | 18044   |         | -     | em,i | dp    |      | Ø28 top wash pipe                        |
| 2525                            | 11806   |         | -     | em,i | dp    |      | 25/40 clamp (minimum 2 pieces)           |
| 2530                            | 540098  |         | -     | em,i | dp,bt |      | D25 3 ways connection for BREAK TANK(bt) |

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86U=86U

bt=BREAK TANK, bp=BOOSTER PUMP, dvgw=DVGW, 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

| ID                                                 | P-code   | SN from | SN to | Mod. | Acces | Volt | Description                                |
|----------------------------------------------------|----------|---------|-------|------|-------|------|--------------------------------------------|
| <b>Module: Pressure switch group with air trap</b> |          |         |       |      |       |      |                                            |
| 2100                                               | 10706/A  |         | -     | i,em |       |      | 47-27 pressure switch                      |
| 2105                                               | 135911/B | 4020618 | -     | em,i |       |      | Grey air trap assembly                     |
| 2110                                               | 13301    |         | -     | i,em |       |      | O-ring (minimum 10 pieces) - D14x8x1,5     |
| 2115                                               | 11702    |         | -     | i,em |       |      | M8 stainless steel nut (minimum 10 pieces) |
| 2120                                               | 14508    |         | -     | i,em |       |      | 4,5X9 EPDM rubber hose (minimum 2mt)       |

em=ELECTROMECHANICAL SWITCHES, uw=LOWER AND UPPER WASHING, i=INSULATED MODEL

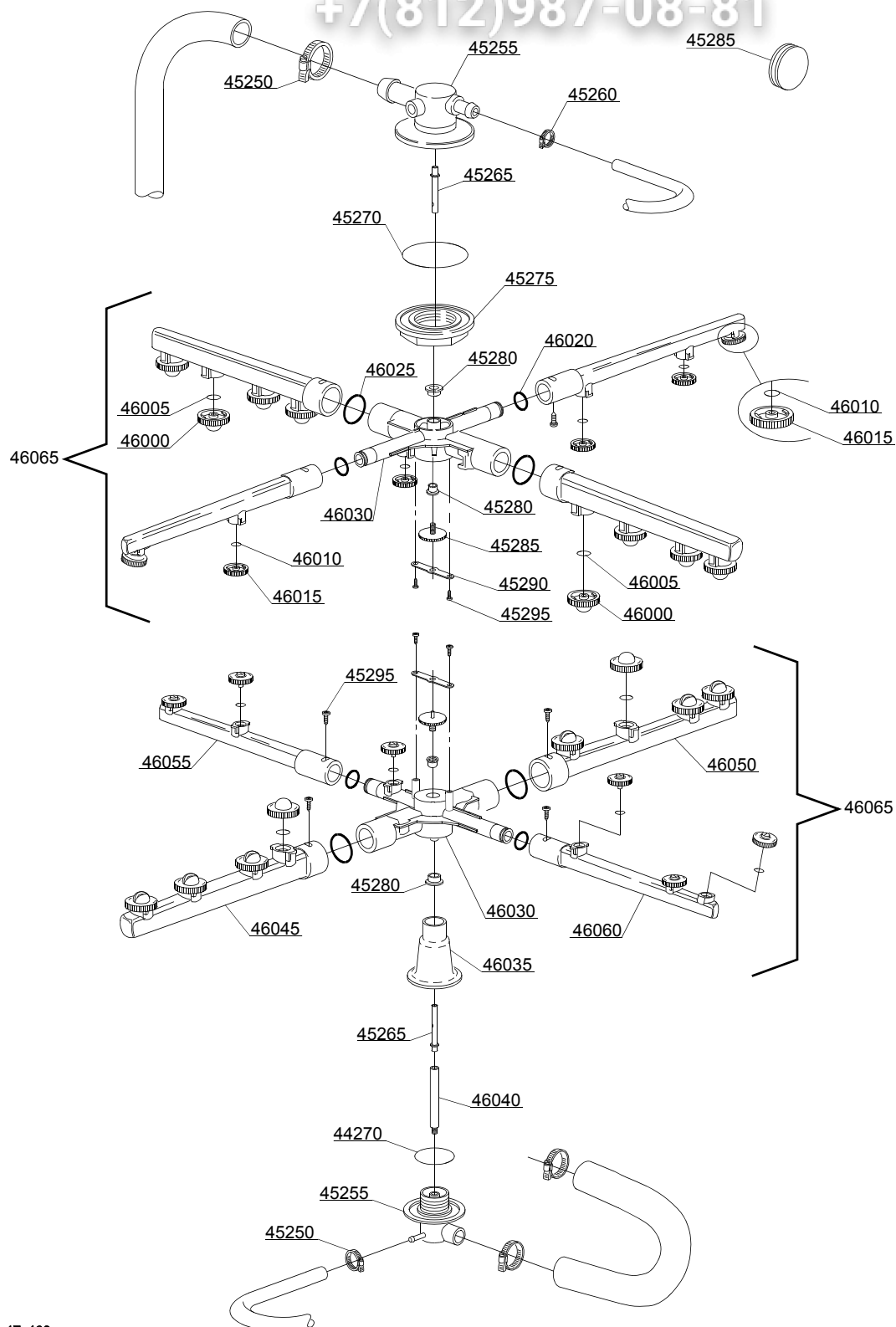
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17\_138\_e

| ID                                            | P-code  | SN from | SN to | Mod     | Acces | Volt | Description                                        |
|-----------------------------------------------|---------|---------|-------|---------|-------|------|----------------------------------------------------|
| <b>Module:Turret group with rotating arms</b> |         |         |       |         |       |      |                                                    |
| 45250                                         | 11806   |         | -     | em,uw,i |       |      | 25/40 clamp (minimum 2 pieces)                     |
| 45255                                         | 500612  |         | -     | em,uw,i |       |      | Top/lower turret                                   |
| 45260                                         | 11807   |         | -     | em,uw,i |       |      | 12/22 clamp (minimum 3 pieces)                     |
| 45265                                         | 15300   |         | -     | em,uw,i |       |      | Ø10x51 lower/top rinse axle                        |
| 45270                                         | 13015   |         | -     | em,uw,i |       |      | 6225 OR 160 NBR O-ring (minimum 5 pieces)          |
| 45275                                         | 500623  |         | -     | em,uw,i |       |      | Ring nut for fixing turret                         |
| 45280                                         | 13319   |         | -     | em,uw,i |       |      | Sliding washer (minimum 4 pieces)                  |
| 45285                                         | 11101/I |         | -     | em,uw,i |       |      | Stainless steel group fixing screw                 |
| 45290                                         | 10260   |         | -     | em,uw,i |       |      | Blocking ring nut rotor plaque (minimum 10 pieces) |
| 45295                                         | 11004   |         | -     | em,uw,i |       |      | 4x10 TCB Ø8 spax toothed screw                     |
| 46000                                         | 10369   |         | -     | em,uw,i |       |      | Opened wash nozzle (minimum 2 pieces)              |
| 46005                                         | 13009   |         | -     | em,uw,i |       |      | OR 2050 NBR O-ring (minimum 10 pieces)             |
| 46010                                         | 13002   |         | -     | em,uw,i |       |      | OR R6 NBR O-ring (minimum 10 pieces)               |
| 46015                                         | 10371   |         | -     | em,uw,i |       |      | Rinse nozzle                                       |
| 46020                                         | 13002   |         | -     | em,uw,i |       |      | OR R6 NBR O-ring (minimum 10 pieces)               |
| 46025                                         | 13029   |         | -     | em,uw,i |       |      | OR 2100 NBR O-ring (minimum 10 pieces)             |
| 46030                                         | 500755  |         | -     | em,uw,i |       |      | Under / upper turret wash rotor                    |
| 46035                                         | 550225  |         | -     | em,uw,i |       |      | Lower pipe coupling                                |
| 46040                                         | 550226  |         | -     | em,uw,i |       |      | Lower rinse axle                                   |
| 46045                                         | 500754  |         | -     | em,uw,i |       |      | Left wash pipe                                     |
| 46050                                         | 500753  |         | -     | em,uw,i |       |      | Right wash pipe                                    |
| 46055                                         | 500751  |         | -     | em,uw,i |       |      | Right rinse arm                                    |
| 46060                                         | 500752  |         | -     | em,uw,i |       |      | Left rinse arm                                     |
| 46065                                         | 500750  |         | -     | em,uw,i |       |      | Grey wash/rinse lower/upper distributor            |

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