

Зип Общепит

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# DISHWASHER

ELECTROMECHANICAL SWITCHES  
LOWER AND UPPER WASHING

TYPE: 321P

Accessories

BOOSTER PUMP

DVGW

COLD RINSE

WATER SOFTNER

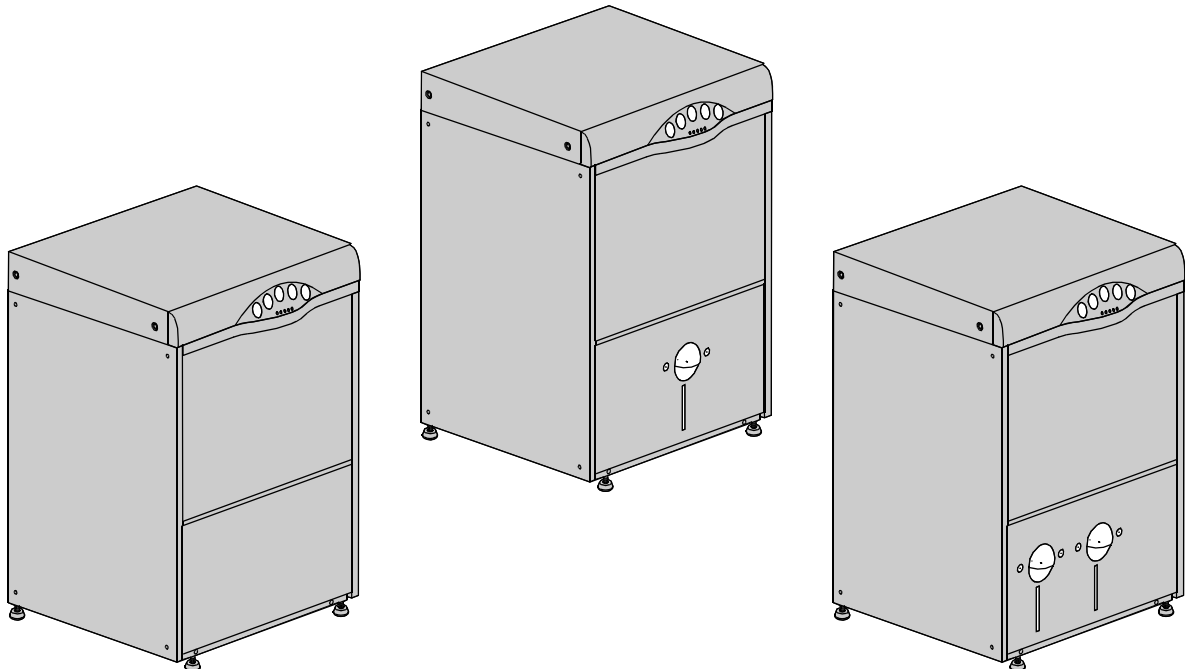
DETERGENT DISPENSER

DRAIN PUMP

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## Spare parts manual

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S/N:

Valid from:..02/2003

Rev.: 0.0

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## 1. Spare parts

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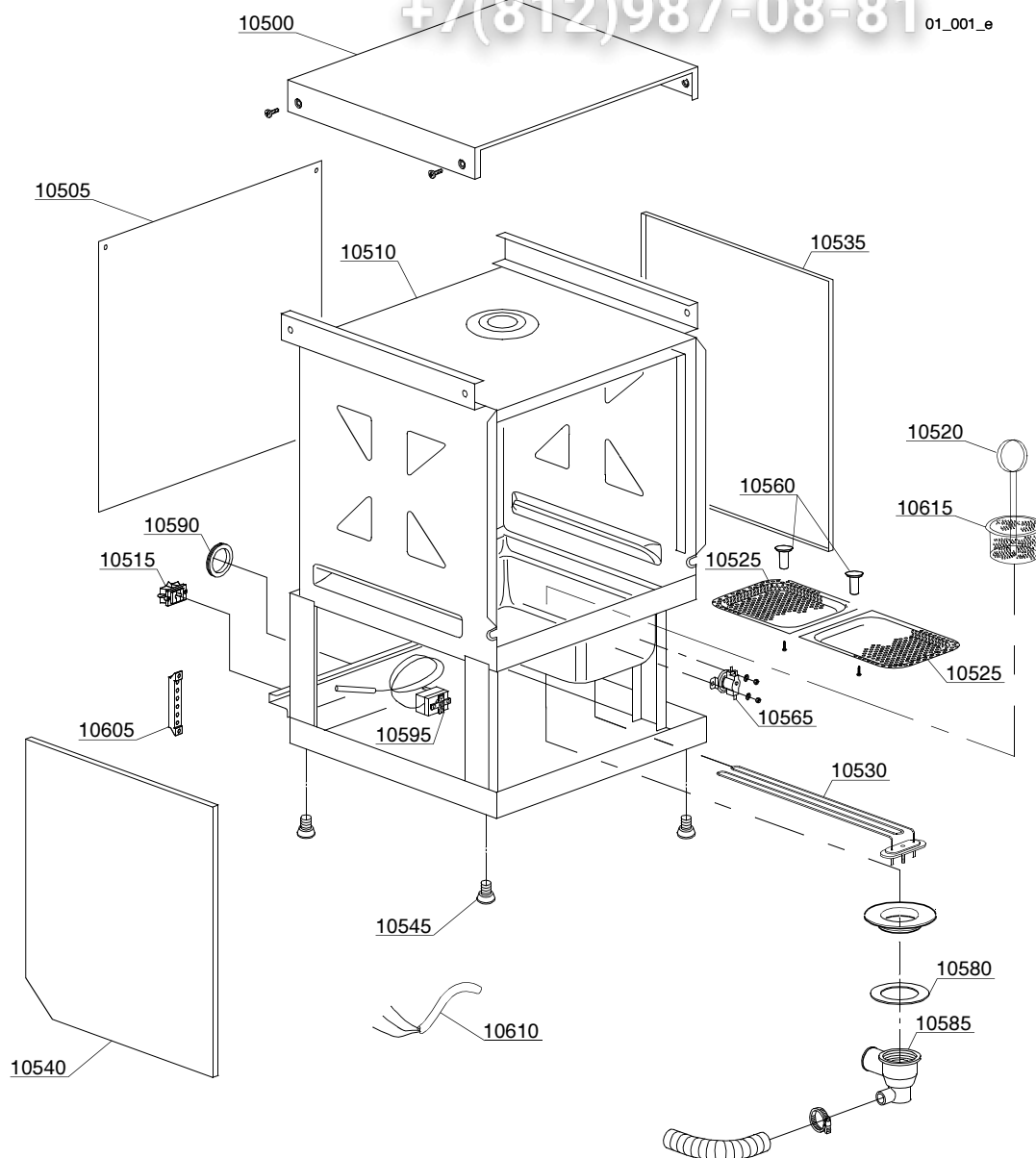
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## 1.1 Voltage codes

| 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       |

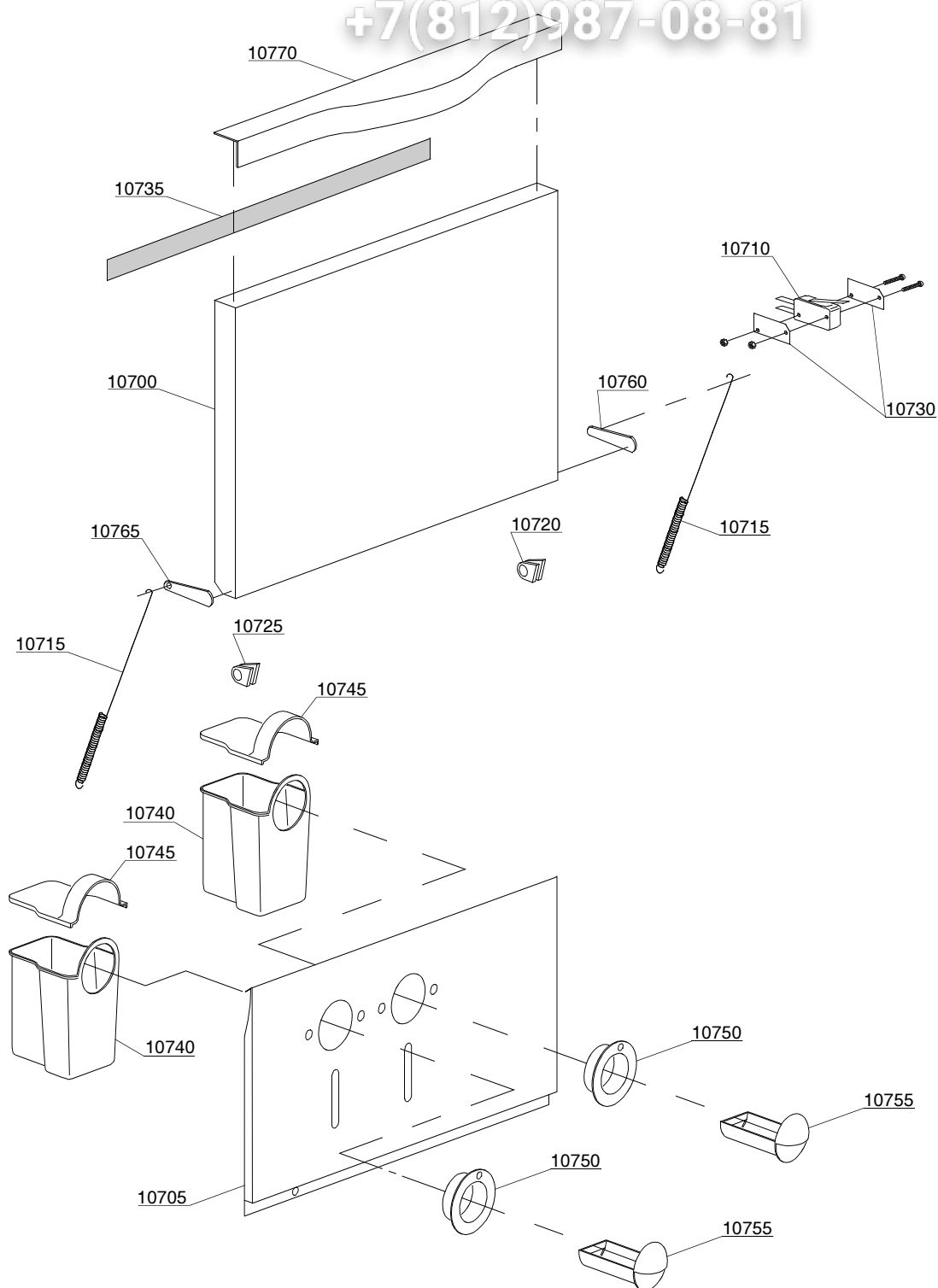
## 1.2 Product codes

| Product code    | Full name                  |
|-----------------|----------------------------|
| Model codes     |                            |
| em              | ELECTROMECHANICAL SWITCHES |
| ls              | LOWER AND UPPER WASHING    |
| Type codes      |                            |
| 321P            | 321P                       |
| Accessory codes |                            |
| pap             | BOOSTER PUMP               |
| dvgw            | DVGW                       |
| fs              | COLD RINSE                 |
| d               | WATER SOFTNER              |
| dde             | DETERGENT DISPENSER        |
| ps              | DRAIN PUMP                 |



| Necessary        | Voltage | Description |
|------------------|---------|-------------|
| +7(812)987-08-81 |         |             |

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02\_006\_e

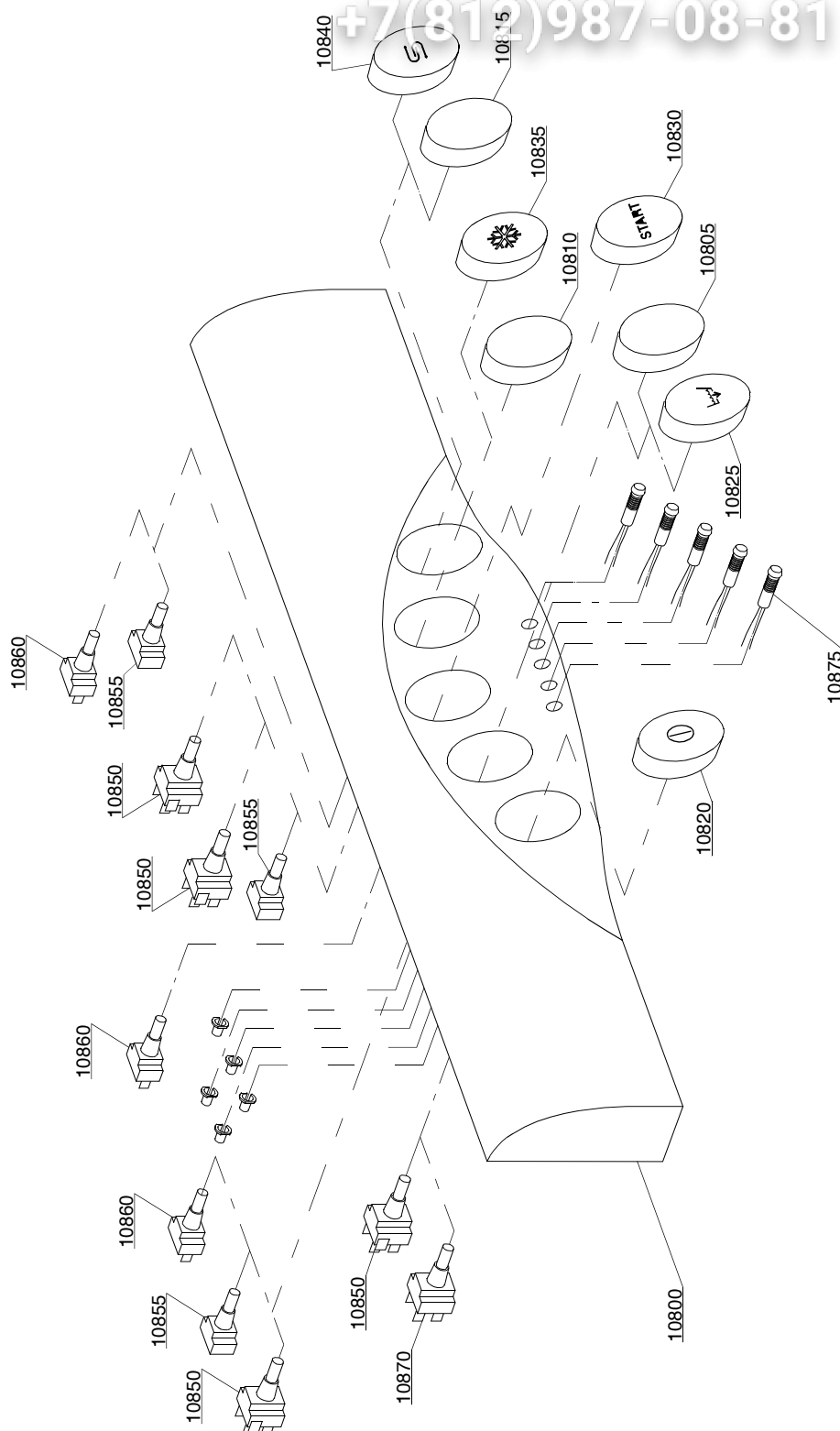


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| ID                    | P-code | Model | Type | Accessory | Voltage | Description                                 |
|-----------------------|--------|-------|------|-----------|---------|---------------------------------------------|
| MODULE: Lockup system |        |       |      |           |         |                                             |
| 10700                 | 540909 |       | 321P |           |         | Door with plastic handle                    |
| 10705                 | 540917 |       | 321P |           |         | Lower door                                  |
| 10710                 | 10704  |       | 321P |           |         | Door microswitch                            |
| 10715                 | 560003 |       | 321P |           |         | Door spring                                 |
| 10720                 | 540035 |       | 321P |           |         | Right axle bush for door hinge              |
| 10725                 | 540036 |       | 321P |           |         | Left axle bush for door hinge               |
| 10730                 | 10770  |       | 321P |           |         | Insulating for door microswitch             |
| 10735                 | 560021 |       | 321P |           |         | Profile for door gasket                     |
| 10740                 | 540019 |       | 321P |           |         | Container for shining product dosing device |
| 10745                 | 540020 |       | 321P |           |         | Cover for container                         |
| 10750                 | 540021 |       | 321P |           |         | Drawer-holder for container                 |
| 10755                 | 540022 |       | 321P |           |         | Drawer                                      |
| 10760                 | 540624 |       | 321P |           |         | Right arm for door                          |
| 10765                 | 540629 |       | 321P |           |         | Left arm for door                           |
| 10770                 | 540502 |       | 321P |           |         | Handle                                      |
|                       |        |       |      |           |         |                                             |
|                       |        |       |      |           |         |                                             |
|                       |        |       |      |           |         |                                             |
|                       |        |       |      |           |         |                                             |
|                       |        |       |      |           |         |                                             |
|                       |        |       |      |           |         |                                             |
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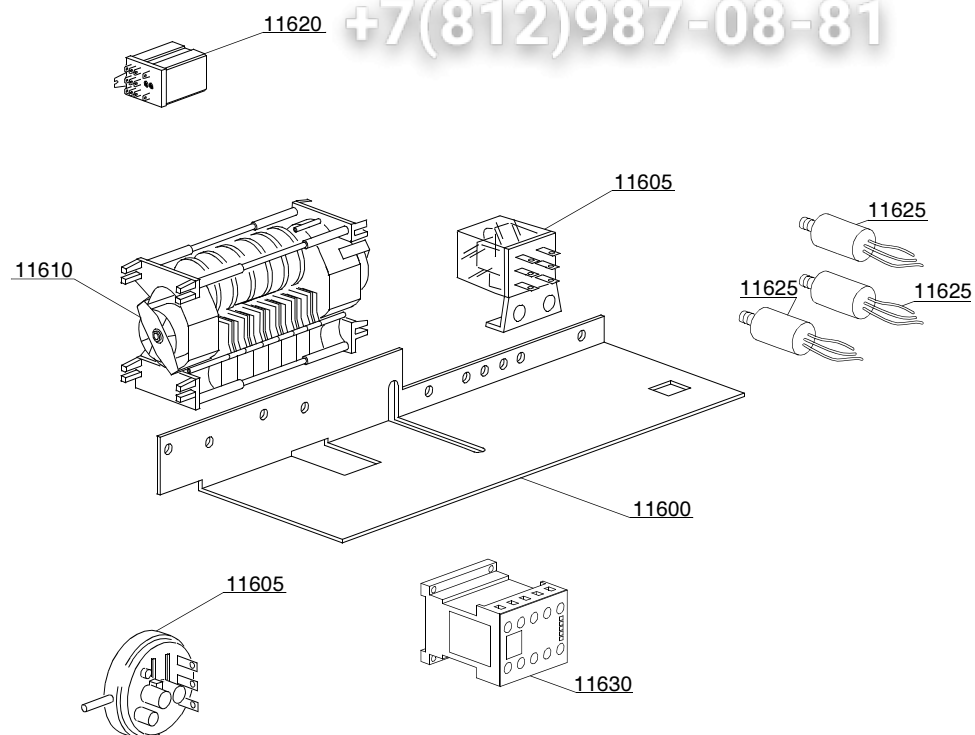


03\_101\_9

| ID                   | P-code   | Model | Type | Accessory | Voltage | Description                    |
|----------------------|----------|-------|------|-----------|---------|--------------------------------|
| MODULE:Control panel |          |       |      |           |         |                                |
| 10800                | 540501   |       | 321P |           |         | Control panel                  |
| 10810                | 560538   |       | 321P |           |         | Key 4 with point               |
| 10815                | 560526/A |       | 321P |           |         | Key 5 with point               |
| 10820                | 560527/A |       | 321P |           |         | ON-OFF key 1                   |
| 10825                | 560528/A |       | 321P |           |         | Drain pump key 2               |
| 10830                | 560529/A |       | 321P |           |         | Start key 3                    |
| 10850                | 15811    |       | 321P |           |         | 16A bipolar switch             |
| 10850                | 15811/A  |       | 321P |           |         | 16A bipolar switch push button |
| 10855                | 15844    |       | 321P |           |         | Key support                    |
| 10860                | 15813    |       | 321P |           |         | 16A unipolar push button       |
| 10870                | 15800    |       | 321P |           |         | 16A bipolar push button        |
| 10870                | 15812    |       | 321P |           |         | 16A switch                     |
| 10875                | 10711    |       | 321P |           |         | Pilot light                    |
|                      |          |       |      |           |         |                                |
|                      |          |       |      |           |         |                                |
|                      |          |       |      |           |         |                                |

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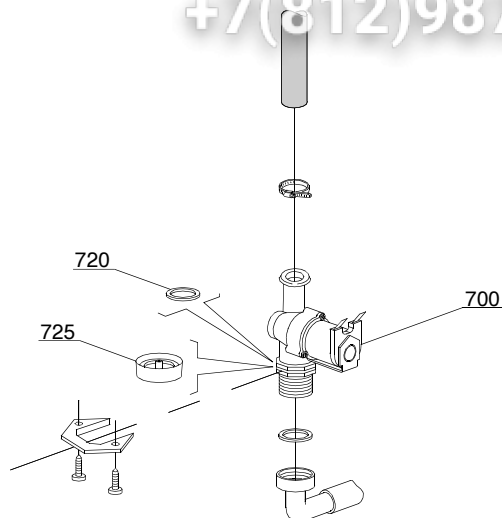
04\_001\_e

| Accessory        | Voltage | Description |
|------------------|---------|-------------|
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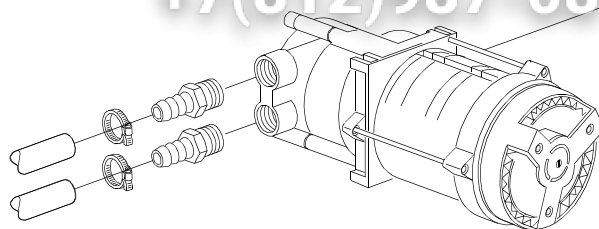


05\_002\_e

| ID                          | P-code | Model | Type | Accessory | Voltage | Description             |
|-----------------------------|--------|-------|------|-----------|---------|-------------------------|
| MODULE:Solenoid valve group |        |       |      |           |         |                         |
| 700                         | 10703  |       | 321P |           |         | Single solenoid valve   |
| 720                         | N.C.   |       | 321P |           |         | Pression reducing valve |
|                             |        |       |      |           |         |                         |
|                             |        |       |      |           |         |                         |

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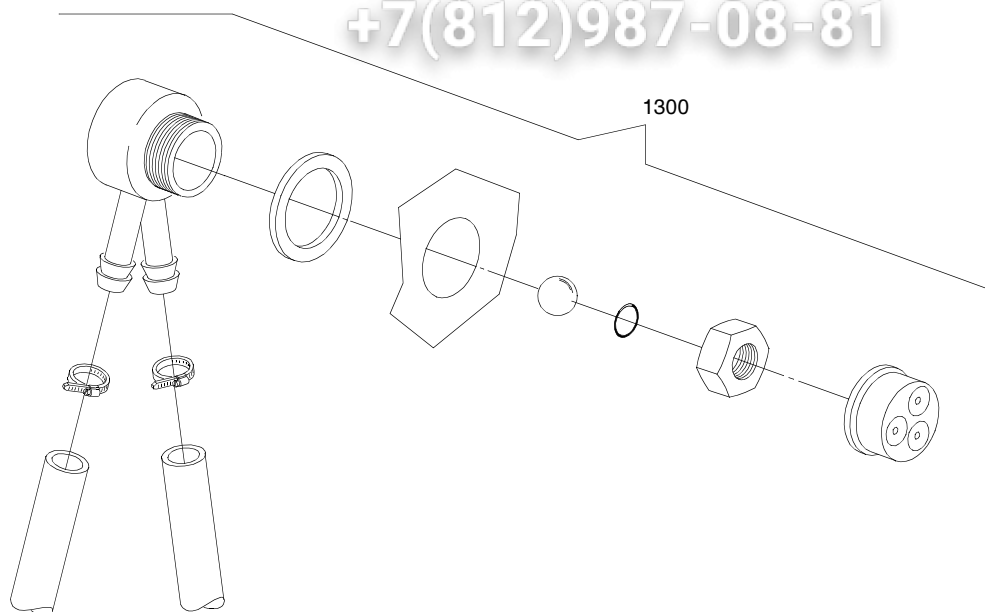


07\_003\_e



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| ID                  | P-code  | Model | Type | Accessory | Voltage | Description  |
|---------------------|---------|-------|------|-----------|---------|--------------|
| MODULE:Booster pump |         |       |      |           |         |              |
| 7500                | 15100/D |       | 321P | bp        |         | Booster pump |
|                     |         |       |      |           |         |              |



08\_005\_e

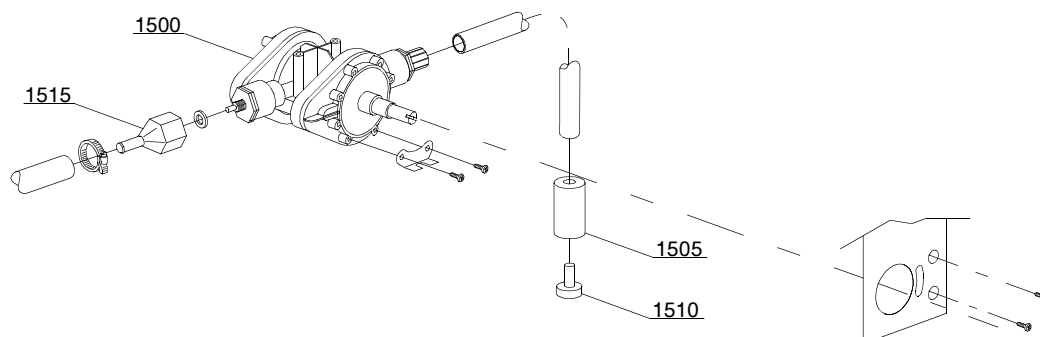
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| ID          | P-code    | Model | Type | Accessory | Voltage | Description   |
|-------------|-----------|-------|------|-----------|---------|---------------|
| MODULE:DVGW |           |       |      |           |         |               |
| 1300        | 999900006 |       | 321P | dvgw      |         | DVGW assembly |
|             |           |       |      |           |         |               |
|             |           |       |      |           |         |               |

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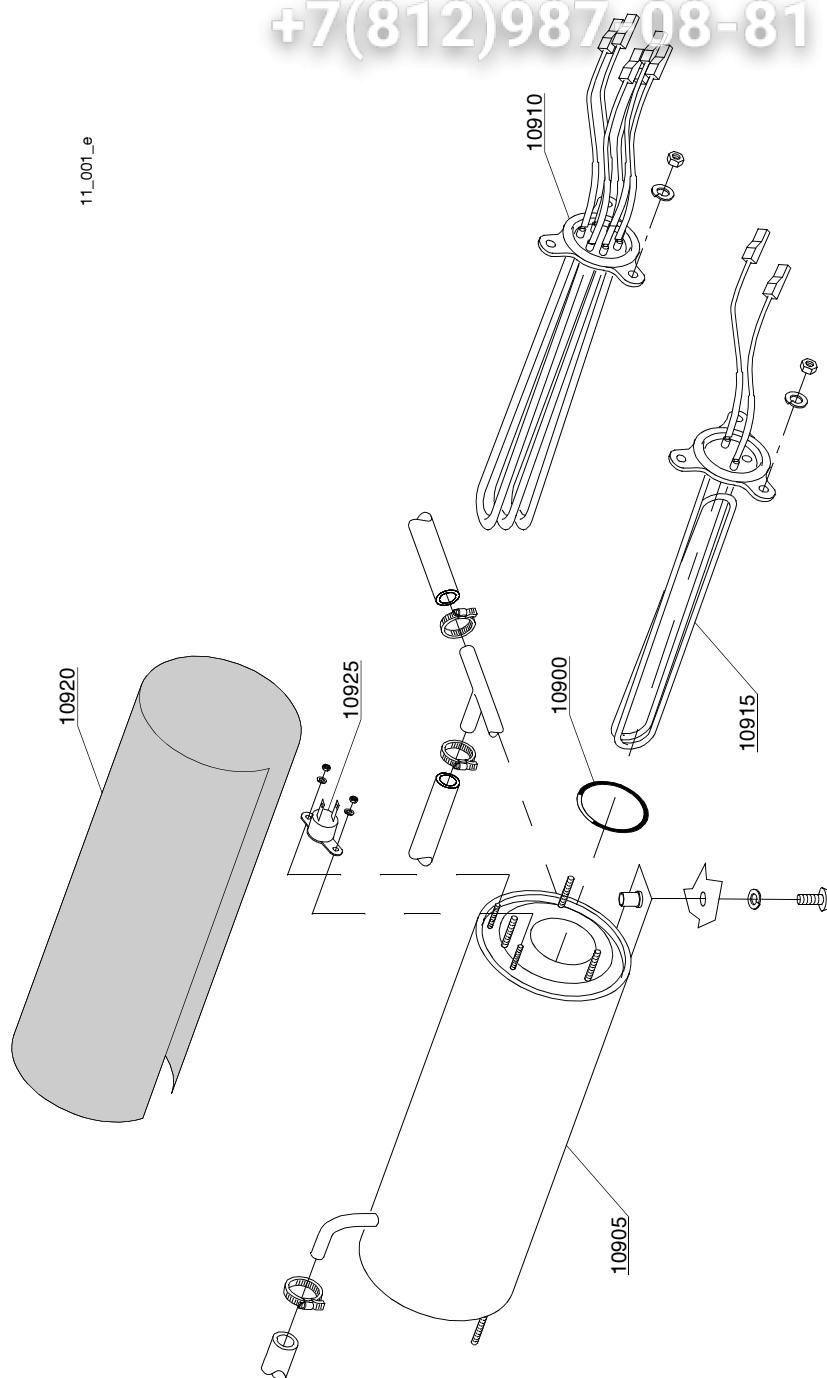
10\_002\_e



| ID                                         | P-code  | Model | Type | Accessory | Voltage | Description                   |
|--------------------------------------------|---------|-------|------|-----------|---------|-------------------------------|
| MODULE:Shining product dosing device group |         |       |      |           |         |                               |
| 1500                                       | 10798   |       | 321P |           |         | Shining product dosing device |
| 1505                                       | 12525   |       | 321P |           |         | Counter-weight                |
| 1510                                       | 15058   |       | 321P |           |         | Small filter                  |
| 1515                                       | 10798/B |       | 321P |           |         | Brass pipe fitting            |
|                                            |         |       |      |           |         |                               |
|                                            |         |       |      |           |         |                               |
|                                            |         |       |      |           |         |                               |
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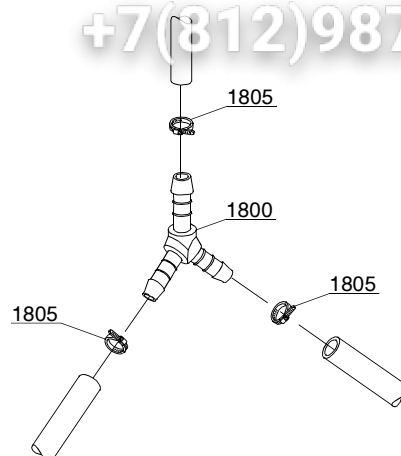
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| ID                  | P-code  | Model | Type | Accessory | Voltage | Description           |
|---------------------|---------|-------|------|-----------|---------|-----------------------|
| MODULE:Boiler group |         |       |      |           |         |                       |
| 10900               | 13010   |       | 321P |           |         | OR gasket             |
| 10905               | 540006  |       | 321P |           |         | Boiler                |
| 10910               | 18215   |       | 321P |           |         | 4KW heating element   |
| 10915               | 18206/D |       | 321P |           |         | 2,8KW heating element |
| 10920               | 540040  |       | 321P |           |         | Insulating boiler     |
| 10925               | 15550   |       | 321P |           |         | Safety thermostat     |
|                     |         |       |      |           |         |                       |
|                     |         |       |      |           |         |                       |
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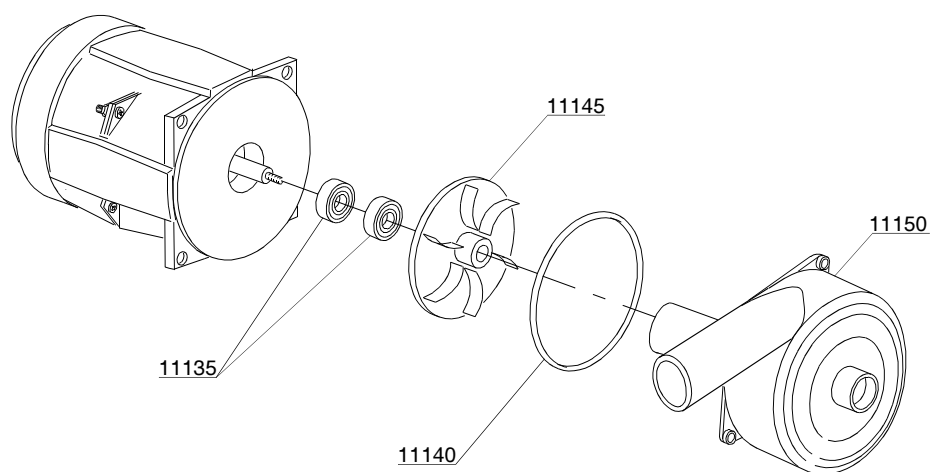
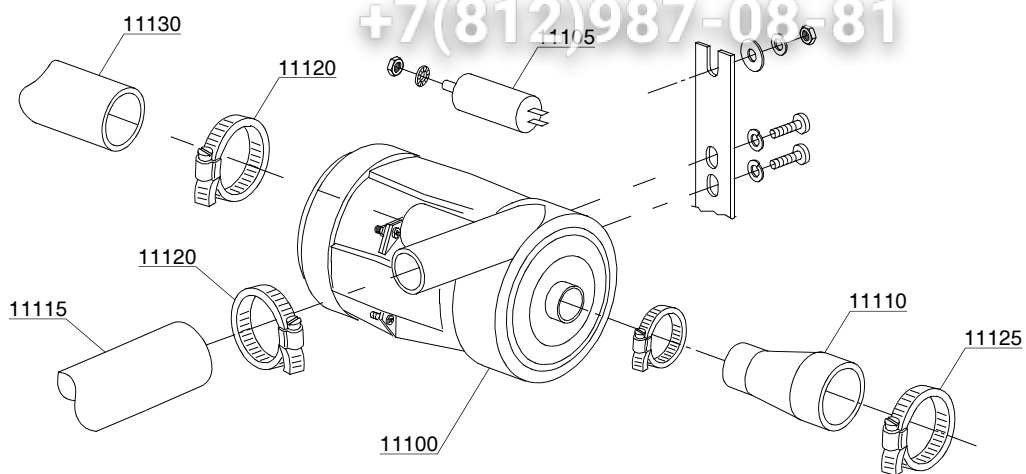
12\_003\_e



| ID                       | P-code | Model | Type | Accessory | Voltage | Description                      |
|--------------------------|--------|-------|------|-----------|---------|----------------------------------|
| MODULE:3 ways derivation |        |       |      |           |         |                                  |
| 1800                     | 540090 |       | 321P |           |         | O10 mm plastic 3 ways derivation |
| 1800                     | 540094 |       | 321P |           |         | O6 mm plastic 3 ways derivation  |
| 1805                     | 11807  |       | 321P |           |         | 12/22 clamp                      |
|                          |        |       |      |           |         |                                  |
|                          |        |       |      |           |         |                                  |
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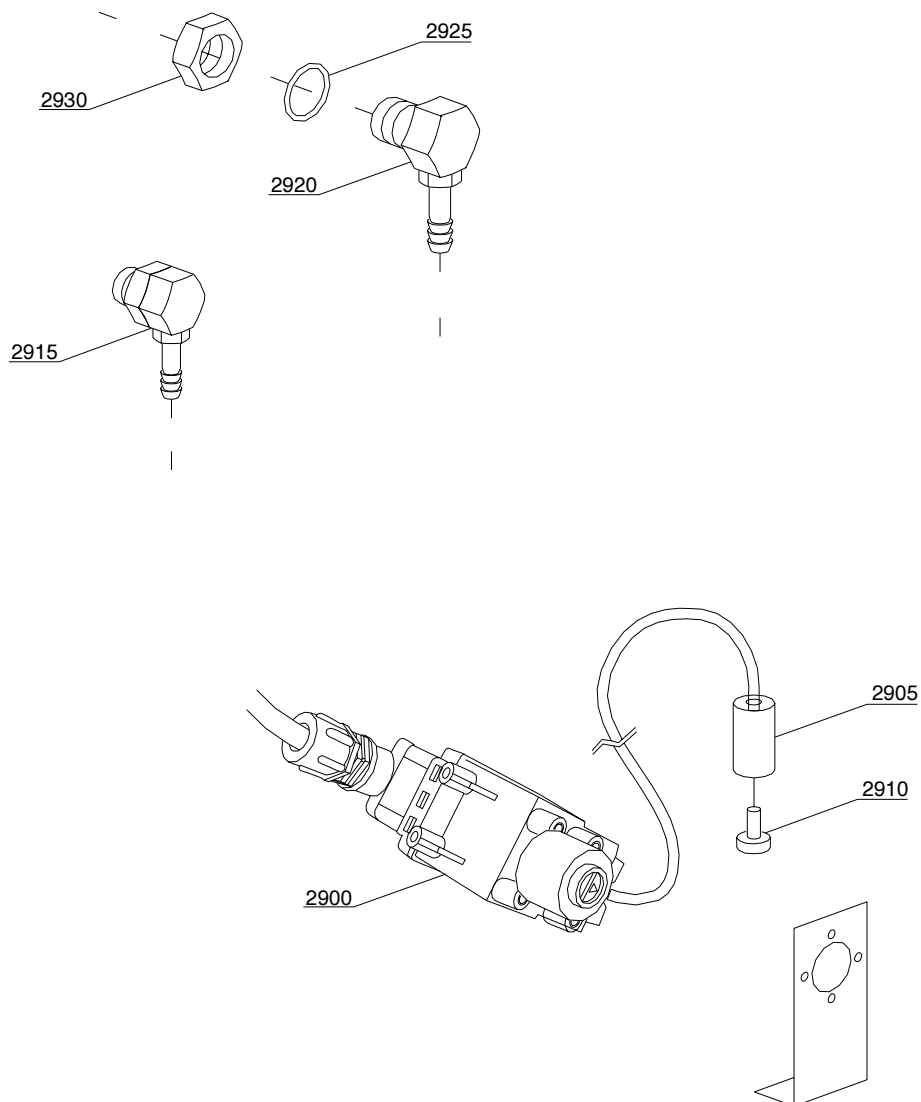
13\_101\_e

| ID               | P-code | Model | Type | Accessory | Voltage | Description              |
|------------------|--------|-------|------|-----------|---------|--------------------------|
| MODULE:Wash pump |        |       |      |           |         |                          |
| 11100            | 18242  |       | 321P |           | A       | 0,30Hp wash pump         |
| 11105            | 18043  |       | 321P |           |         | 10 uF condenser          |
| 11110            | 540005 |       | 321P |           |         | Suction pipe coupling    |
| 11115            | 16168  |       | 321P |           |         | Lower wash delivery pipe |
| 11120            | 11806  |       | 321P |           |         | 25/40 clamp              |
| 11125            | 11824  |       | 321P |           |         | 50/70 clamp              |
| 11130            | 540004 |       | 321P |           |         | Top delivery pipe        |
| 11135            | 15080  |       | 321P |           |         | Rotating seals           |
| 11140            | 18245  |       | 321P |           |         | OR gasket                |
| 11145            | 18246  |       | 321P |           |         | Pump rotor               |
| 11150            | 18247  |       | 321P |           |         | Scroll                   |
|                  |        |       |      |           |         |                          |
|                  |        |       |      |           |         |                          |
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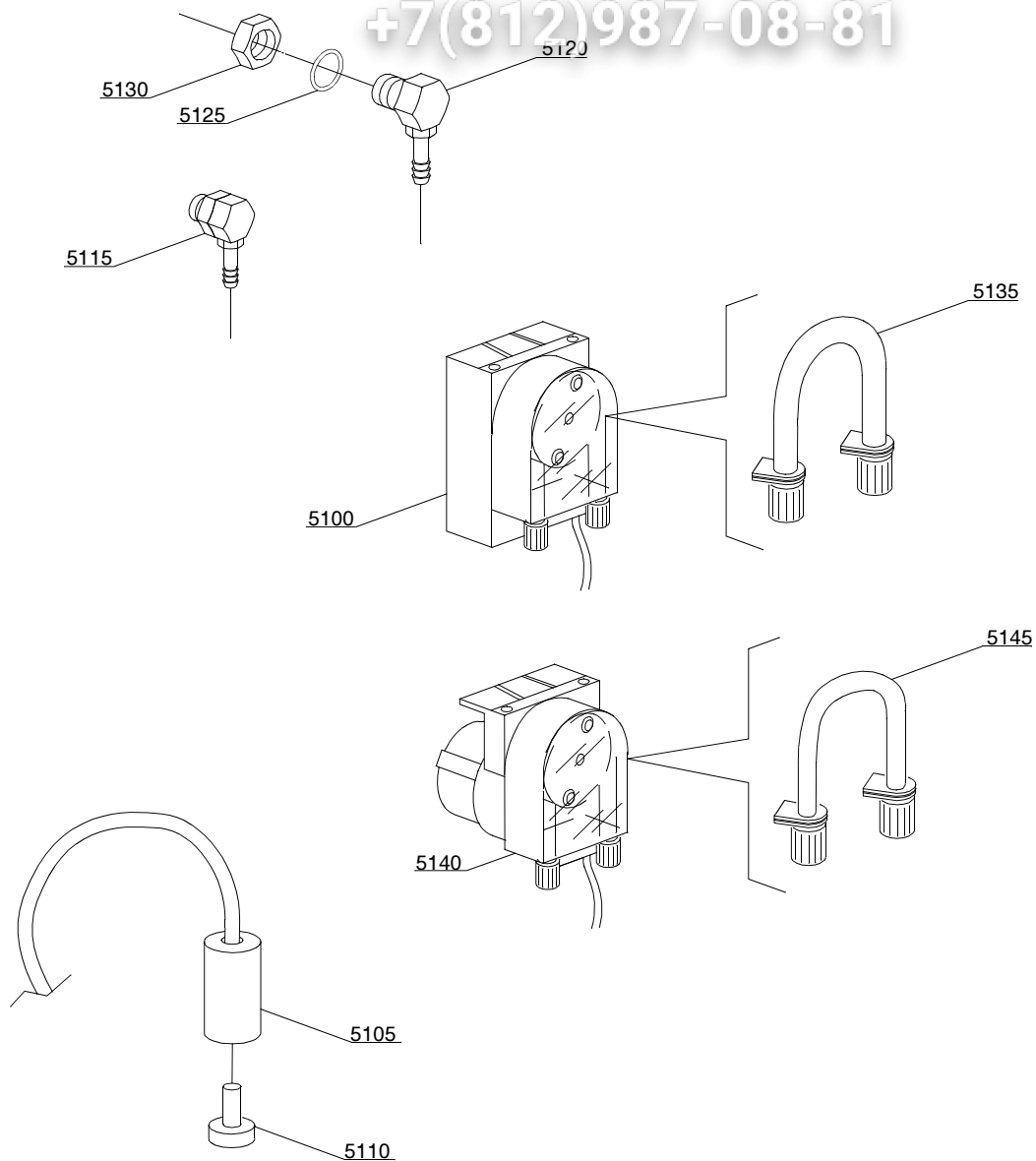
14\_002\_e



| ID                         | P-code   | Model | Type | Accessory | Voltage | Description               |
|----------------------------|----------|-------|------|-----------|---------|---------------------------|
| MODULE:Dosing device group |          |       |      |           |         |                           |
| 2900                       | 15108/L  |       | 321P | dd        |         | Lang dosing device        |
| 2905                       | 12525    |       | 321P | dd        |         | Counter-weight            |
| 2910                       | 15058    |       | 321P | dd        |         | Small filter              |
| 2915                       | 15123    |       | 321P | dd        |         | Compleat plastic injector |
| 2920                       | 15148    |       | 321P | dd        |         | Steel injector            |
| 2925                       | 15159    |       | 321P | dd        |         | OR gasket                 |
| 2930                       | 10200205 |       | 321P | dd        |         | M12x1 stainless steel nut |
|                            |          |       |      |           |         |                           |

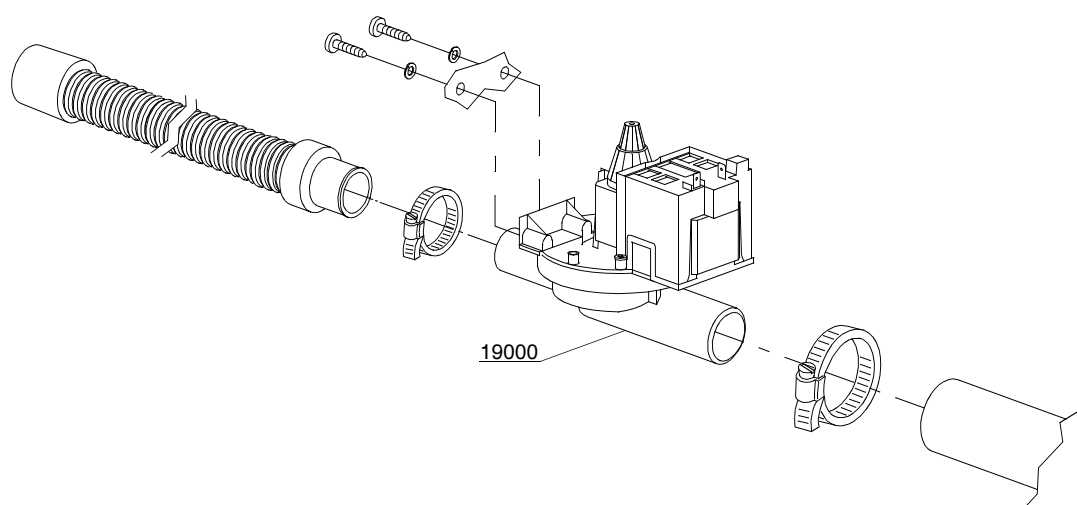
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14\_004\_e

| ID                         | P-code   | Model | Type | Accessory | Voltage | Description               |
|----------------------------|----------|-------|------|-----------|---------|---------------------------|
| MODULE:Dosing device group |          |       |      |           |         |                           |
| 5100                       | 15985    |       | 321P | dd        |         | Seko dosing device        |
| 5105                       | 12525    |       | 321P | dd        |         | Counter-weight            |
| 5110                       | 15058    |       | 321P | dd        |         | Small filter              |
| 5115                       | 15123    |       | 321P | dd        |         | Compleat plastic injector |
| 5120                       | 15148    |       | 321P | dd        |         | Steel injector            |
| 5125                       | 15159    |       | 321P | dd        |         | OR gasket                 |
| 5130                       | 10200205 |       | 321P | dd        |         | M12x1 stainless steel nut |
| 5135                       | 15185    |       | 321P | dd        |         | Seko thermoplastic pipe   |
| 5140                       | 15985    |       | 321P | dd        |         | Germac dosing device      |
| 5145                       | 15108/E  |       | 321P | dd        |         | Germac thermoplastic pipe |
|                            |          |       |      |           |         |                           |



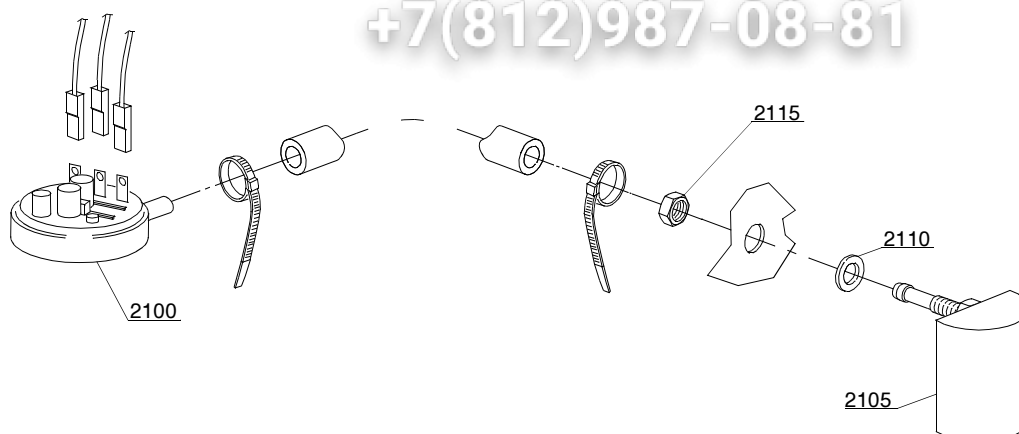


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| ID                      | P-code  | Model | Type | Accessory | Voltage | Description       |
|-------------------------|---------|-------|------|-----------|---------|-------------------|
| MODULE:Drain pump group |         |       |      |           |         |                   |
| 19000                   | 15101/A |       | 321P | dp        | A       | Drain pump - 50Hz |
|                         |         |       |      |           |         |                   |
|                         |         |       |      |           |         |                   |

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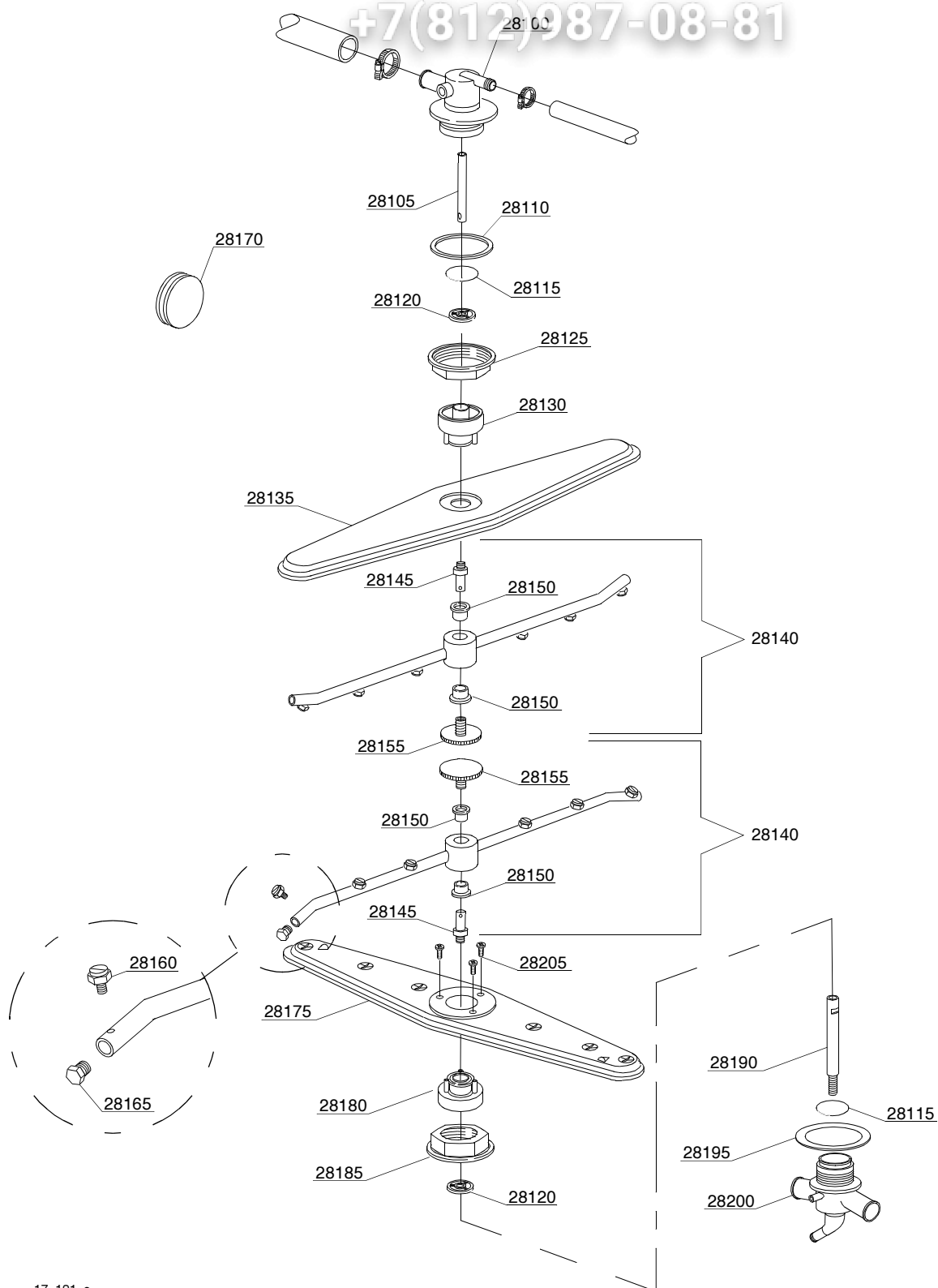


16\_001\_e

| ID                                         | P-code   | Model | Type | Accessory | Voltage | Description            |
|--------------------------------------------|----------|-------|------|-----------|---------|------------------------|
| MODULE:Pressure switch group with air trap |          |       |      |           |         |                        |
| 2100                                       | 10706/A  |       | 321P |           |         | 47-27 pressure switch  |
| 2105                                       | 135911/B |       | 321P |           |         | Air trap assembly      |
| 2110                                       | 13301    |       | 321P |           |         | Gasket                 |
| 2115                                       | 11702    |       | 321P |           |         | M8 stainless steel nut |
|                                            |          |       |      |           |         |                        |
|                                            |          |       |      |           |         |                        |
|                                            |          |       |      |           |         |                        |

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17\_121\_e

| ID                                     | P-code  | Model | Type | Accessory | Voltage | Description                        |
|----------------------------------------|---------|-------|------|-----------|---------|------------------------------------|
| MODULE:Turret group with rotating arms |         |       |      |           |         |                                    |
| 28100                                  | 540075  |       | 321P |           |         | Top turret                         |
| 28105                                  | 540081  |       | 321P |           |         | Top axle extension                 |
| 28110                                  | 540032  |       | 321P |           |         | Plain gasket                       |
| 28115                                  | 540079  |       | 321P |           |         | Spacer ring for hub                |
| 28120                                  | 540076  |       | 321P |           |         | Guide pipe                         |
| 28125                                  | 540093  |       | 321P |           |         | Nut for top turret fixing          |
| 28130                                  | 540078  |       | 321P |           |         | Top hub for rotor                  |
| 28135                                  | 540085  |       | 321P |           |         | Top wash rotor                     |
| 28140                                  | 540083  |       | 321P |           |         | Rinse group                        |
| 28145                                  | 75323   |       | 321P |           |         | Rinse axle                         |
| 28150                                  | 13330   |       | 321P |           |         | Sliding washer                     |
| 28155                                  | 11101/B |       | 321P |           |         | Stainless steel group fixing screw |
| 28160                                  | 560018  |       | 321P |           |         | Stainless steel rinse nozzle       |
| 28165                                  | 560017  |       | 321P |           |         | Rinse arm plug                     |
| 28170                                  | 13316/A |       | 321P |           |         | DVGW hole gasket                   |
| 28175                                  | 540084  |       | 321P |           |         | Lower wash rotor                   |
| 28180                                  | 540077  |       | 321P |           |         | Lower hub for rotor                |
| 28185                                  | 540010  |       | 321P |           |         | Nut for lower turret fixing        |
| 28190                                  | 540082  |       | 321P |           |         | Lower axle extension               |
| 28195                                  | 540034  |       | 321P |           |         | Plain gasket                       |
| 28200                                  | 540074  |       | 321P |           |         | Lower turret                       |
| 28205                                  | 11006   |       | 321P |           |         | Stainless steel screw              |