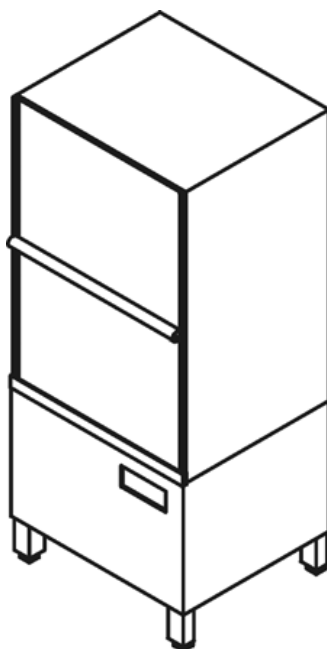




SPARE PARTS DIAGRAM FOR  
**winterhalter**

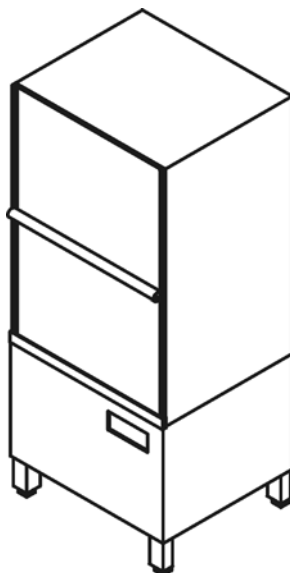
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Dish/Glass Washer  
GS640  
GS650



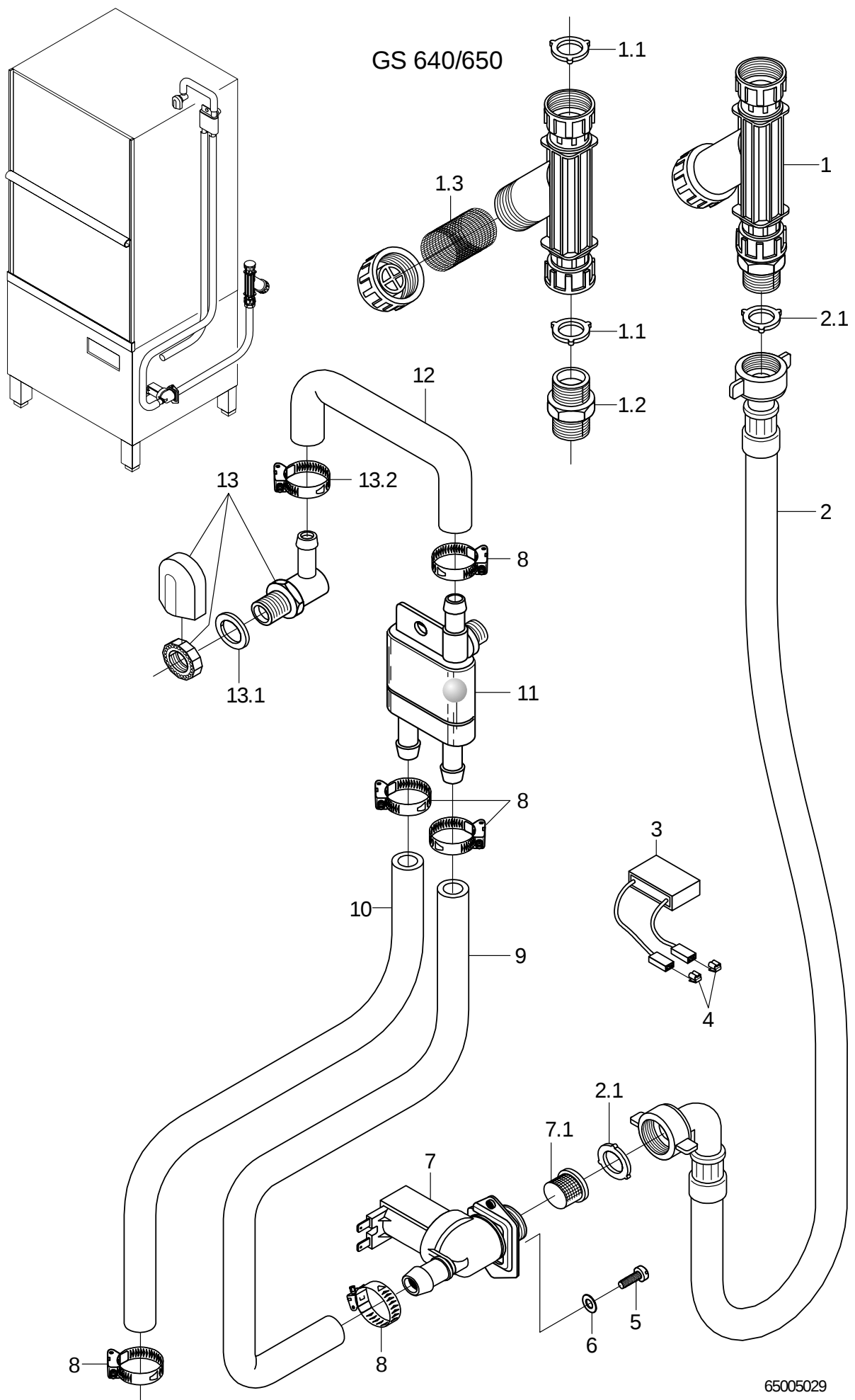
First Choice Group  
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Cannock, Staffs, WS11 8LD  
TEL: 01543 577778 FAX: 01543504141  
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## Spare parts list GS 640 / GS 650



### Contents

|                                  |              |
|----------------------------------|--------------|
| Water inlet                      | Page 1 - 2   |
| Tank and tank heating            | Page 3 - 4   |
| Water drainage, Mediamat Cyclo   | Page 5 - 6   |
| Wash system I                    | Page 7 - 8   |
| Wash system II                   | Page 9 - 10  |
| Reversing                        | Page 11 - 12 |
| Rinsing I                        | Page 13 - 14 |
| Rinsing II (AquaMatik)           | Page 15 - 16 |
| Rinsing III                      | Page 17 - 18 |
| Rinsing IV                       | Page 19 - 20 |
| Dosage                           | Page 21 - 22 |
| Chassis, container and panelling | Page 23 - 24 |
| Door                             | Page 25 - 26 |
| Electrical parts                 | Page 27 - 28 |
| Cold water pre-rinse (optional)  | Page 29 - 30 |



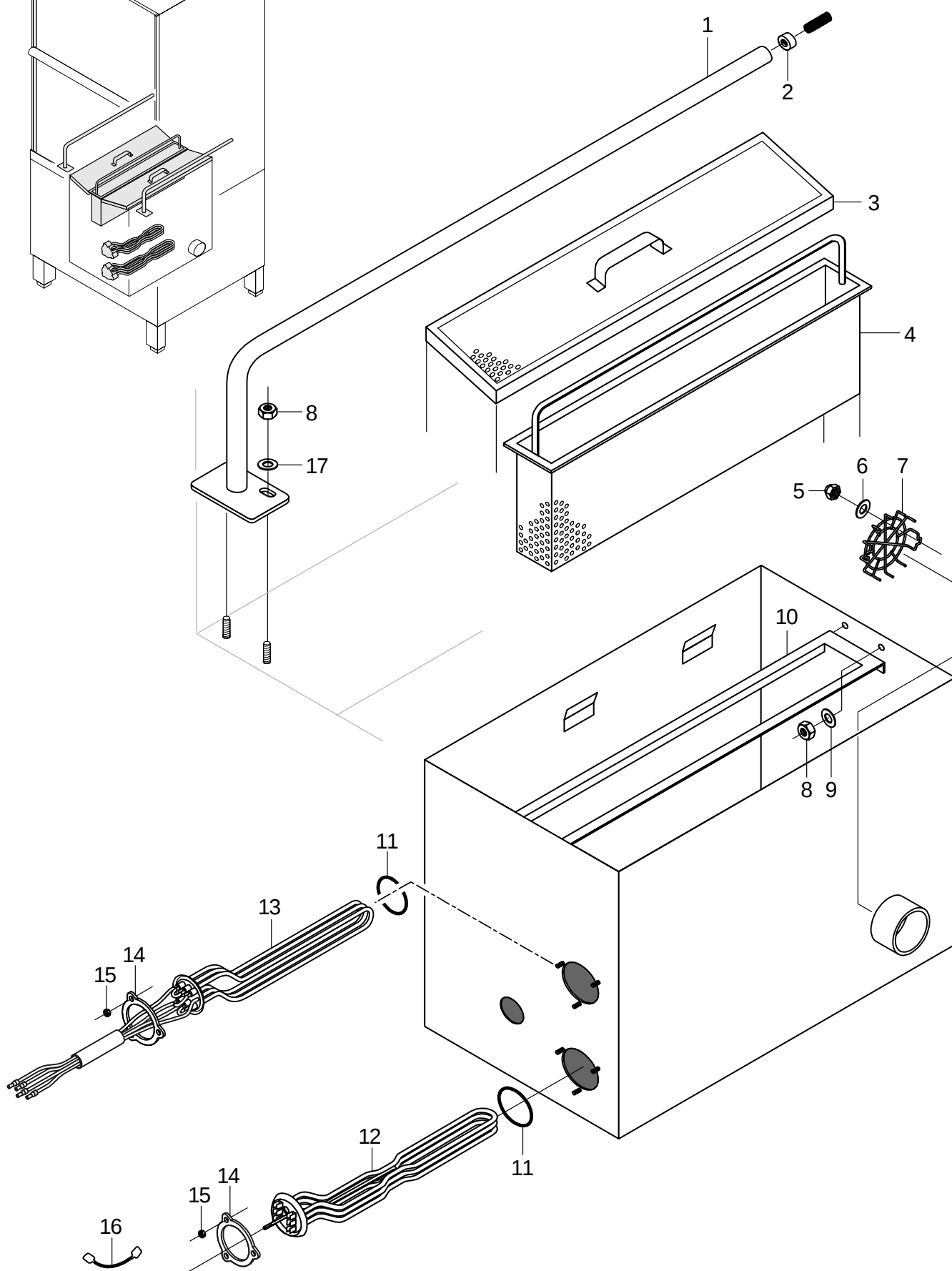
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## GS 640 / GS 650

### Water inlet

| Item.       | Designation                                         | Parts no.:       | Pc. | Notes                                           |
|-------------|-----------------------------------------------------|------------------|-----|-------------------------------------------------|
| <b>1</b>    | Dirt catcher cpl.                                   | <b>80002153</b>  |     | incl. item 1.1 – 1.3                            |
| <b>1.1</b>  | Gasket; D16 X D24 X 3,0                             | <b>80002241</b>  | 2   |                                                 |
| <b>1.2</b>  | Double nipple; G 3/4" X 40; SW30                    | <b>80002167</b>  |     |                                                 |
| <b>1.3</b>  | Strainer cpl.; D27 X 67                             | <b>80002728</b>  |     |                                                 |
| <b>2</b>    | Hose WRC tested + gaskets; DN13 X 3,5; 1500         | <b>40 02 019</b> |     | incl. item 2.1                                  |
| <b>2.1</b>  | Gasket; D16 X D24 X 3,0                             | <b>80002241</b>  | 2   |                                                 |
| <b>3</b>    | RC module; 0,15 MICRO F; 3,3 KOHM                   | <b>31 13 114</b> |     | only with Aquamatik; parallel to item 7 connect |
| <b>4</b>    | Flat plug                                           | <b>31 12 018</b> | 2   | only with Aquamatik; parallel to item 7 connect |
| <b>5</b>    | Pan head screw; M4 X 8                              | <b>20 10 309</b> |     |                                                 |
| <b>6</b>    | Washer; D4,3 X D12 X 1,0                            | <b>22 05 300</b> |     |                                                 |
| <b>7</b>    | Solenoid valve, flow control, 15l; 220-240V/50-60HZ | <b>31 06 180</b> |     |                                                 |
| <b>7</b>    | Solenoid valve, flow control, 15l; 180-220V/50-60HZ | <b>31 06 198</b> |     | Japan                                           |
| <b>7.1</b>  | Solenoid valve filter                               | <b>31 06 186</b> |     |                                                 |
| <b>8</b>    | Hose clamp; D14-24 X 9                              | <b>28 02 108</b> |     |                                                 |
| <b>9</b>    | Reinforced hose; DN13 X 3,5                         | <b>40 02 002</b> |     | 2030 mm; Metre item GS 640                      |
| <b>9</b>    | Reinforced hose; DN13 X 3,5                         | <b>40 02 002</b> |     | 2200 mm; Metre item GS 650                      |
| <b>10</b>   | Reinforced hose; DN13 X 3,5                         | <b>40 02 002</b> |     | 1510 mm; Metre item GS 640                      |
| <b>10</b>   | Reinforced hose; DN13 X 3,5                         | <b>40 02 002</b> |     | 1680 mm; Metre item GS 650                      |
| <b>11</b>   | Reverse suction preventer, top; PN6 BEI 60 GRAD C   | <b>35 01 193</b> |     |                                                 |
| <b>12</b>   | Hose bend; DN13 X 4,0                               | <b>40 03 053</b> |     |                                                 |
| <b>13</b>   | Water inlet set cpl., 3-part                        | <b>55 31 007</b> |     | incl. item 13.1 - 13.2                          |
| <b>13.1</b> | Gasket; D20,5 X D28,5 X 2,0                         | <b>27 01 002</b> |     |                                                 |
| <b>13.2</b> | Hose clamp; D14-24 X 9                              | <b>28 02 108</b> |     |                                                 |

# GS 640/650

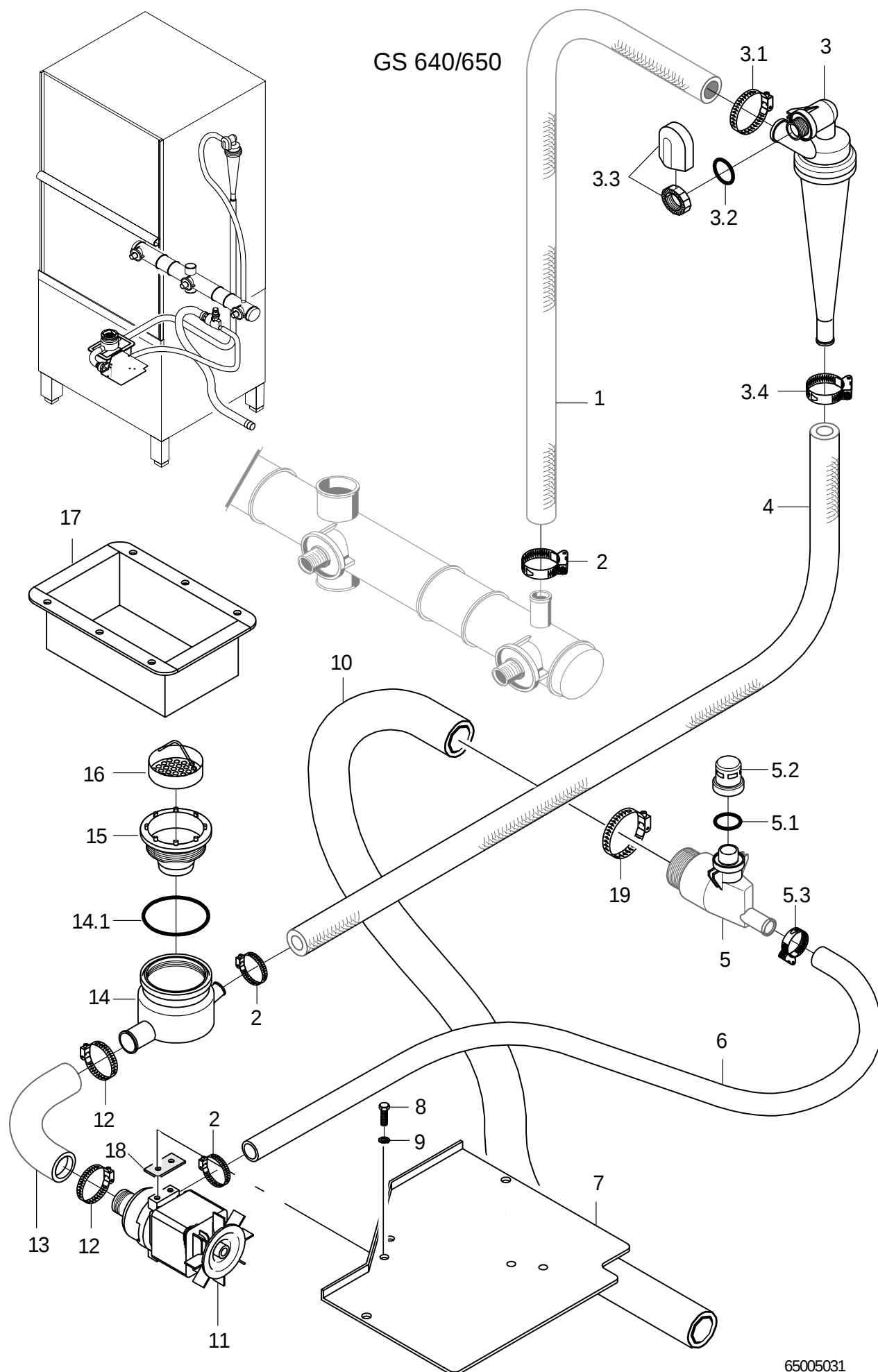


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## GS 640 / GS 650

### Tank and tank heating

| Item. | Designation                               | Parts no.: | Pc. | Notes         |
|-------|-------------------------------------------|------------|-----|---------------|
| 1     | Rack carrier cpl.                         | 65004213   | 2   |               |
| 2     | Roller; D18,9 X 20; M8                    | 65004215   | 2   |               |
| 3     | Flat filter, cpl.                         | 65004092   | 2   |               |
| 4     | Sump filter cpl.                          | 65003029   |     |               |
| 5     | Dome head nut; M5                         | 21 10 303  |     |               |
| 6     | Washer; D5,3 X D12 X 0,8                  | 22 02 313  |     |               |
| 7     | Filter; D84 X D2 X 12                     | 65004188   | 3   |               |
| 8     | Hexagonal nut; M6 SELBSTSICHERND          | 21 05 304  |     |               |
| 9     | Washer; D6,4 X D12,5 X 1,6                | 22 01 302  |     |               |
| 10    | Filter frame; 1,5 X 118 X 672,5           | 65004086   |     |               |
| 11    | O-ring; 43 X 7                            | 27 07 069  | 2   |               |
| 12    | Heating element offset 6.0kW; 230V/400V/3 | 31 03 132  |     | Slow start-up |
| 12    | Heating element offset 6.0kW; 240V/420V/3 | 31 03 133  |     | Slow start-up |
| 12    | Heating element offset 6.0kW; 200V/346V/3 | 31 03 134  |     | Slow start-up |
| 13    | Heater with fuse, 6.0kW; 3 X 400V         | 31 03 176  |     |               |
| 13    | Heater with fuse, 9.0kW; 3 X 400V         | 31 03 177  |     |               |
| 13    | Heater with fuse, 6.0kW; 3 X 420V         | 31 03 178  |     |               |
| 13    | Heater with fuse, 9.0kW; 3 X 420V         | 31 03 179  |     |               |
| 13    | Heater with fuse, 6.0kW; 3 X 200V         | 31 03 173  |     |               |
| 13    | Heater with fuse, 6.0kW; 3 X 230V         | 31 03 175  |     |               |
| 14    | Clamping plate; D43 X D80 X 4,0           | 01 17 003  | 2   |               |
| 15    | Hexagonal nut; M5                         | 21 01 303  |     |               |
| 16    | Star bridge; 2,5QMM; 90 LG                | 70004616   | 3   |               |
| 17    | Washer; D6,4 X D18 X 1,6                  | 22 05 302  |     |               |



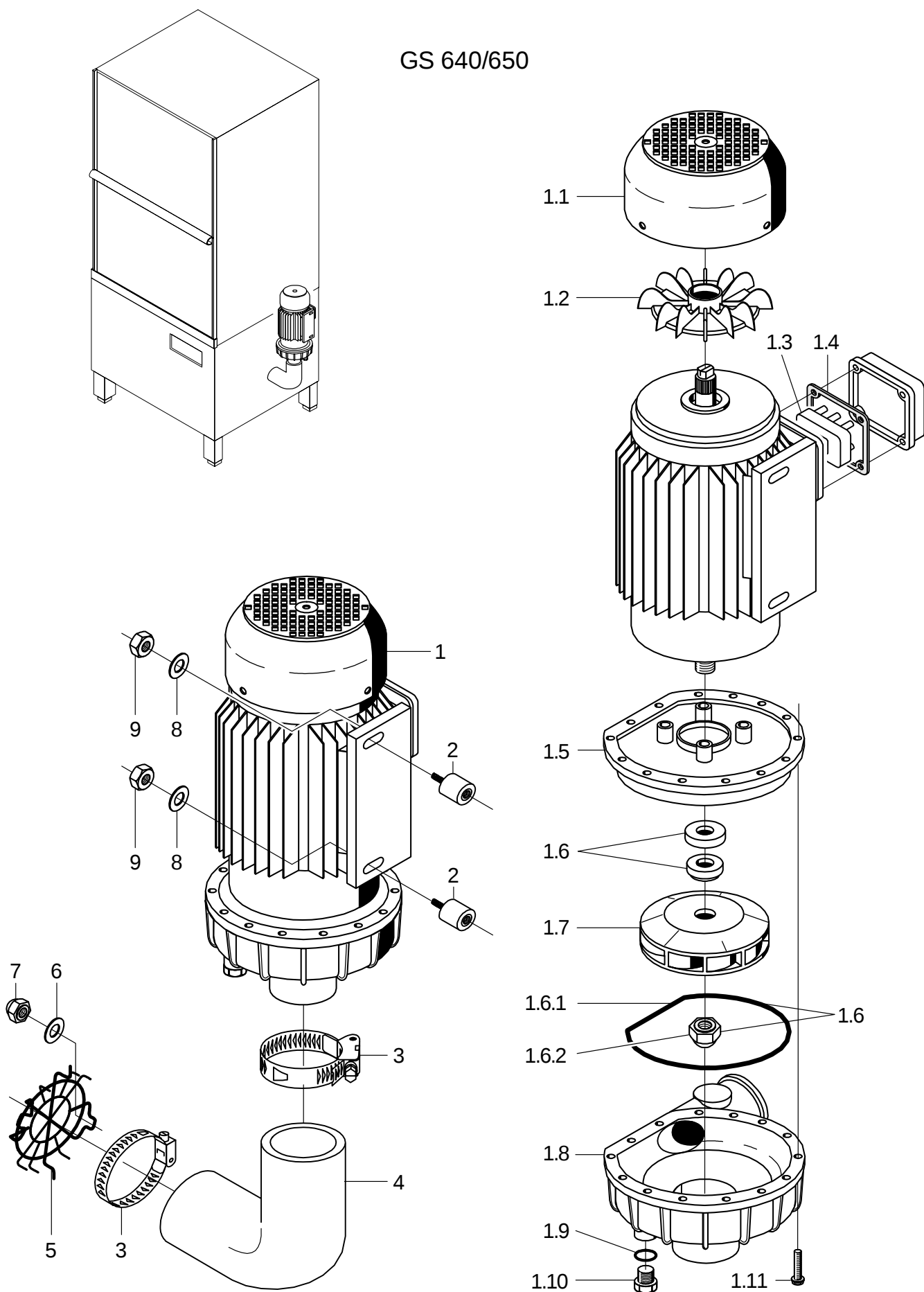
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## GS 640 / GS 650

### Water drainage, Mediamat Cyclo

| Item. | Designation                      | Parts no.: | Pc. | Notes                      |
|-------|----------------------------------|------------|-----|----------------------------|
| 1     | Reinforced hose; DN16 X 4,0      | 40 01 015  |     | 780 mm; Metre item GS 640  |
| 1     | Reinforced hose; DN16 X 4,0      | 40 01 015  |     | 950 mm; Metre item GS 650  |
| 2     | Hose clamp; D20-30 X 12          | 28 02 109  |     |                            |
| 3     | Mediamat Cyclo                   | 61005184   |     | incl. item 3.1 – 3.4       |
| 3.1   | Hose clamp; D32-52 X 12          | 28 02 110  |     |                            |
| 3.2   | O-ring; 20 X 3,5                 | 27 07 040  |     |                            |
| 3.3   | Tank inlet set; G 1/2" X 8; SW27 | 61005339   |     |                            |
| 3.4   | Hose clamp; D20-30 X 12          | 28 02 109  |     |                            |
| 4     | Reinforced hose; DN16 X 4,0      | 40 01 015  |     | 1460 mm; Metre item GS 640 |
| 4     | Reinforced hose; DN16 X 4,0      | 40 01 015  |     | 1630 mm; Metre item GS 650 |
| 5     | Drain cpl.                       | 61005185   |     | incl. item 5.1 – 5.3       |
| 5.1   | O-ring; 29,5 X 4,5               | 27 07 008  |     |                            |
| 5.2   | Cap; G 3/4" X 24; SW32           | 61004974   |     |                            |
| 5.3   | Hose clamp; D20-30 X 12          | 28 02 109  |     |                            |
| 6     | Hose elbow; DN24X4,0;534X55      | 65004996   |     |                            |
| 7     | Pump bracket cpl.                | 65004981   |     |                            |
| 8     | Hexagonal screw; M6 X 10; A70    | 20 01 332  | 2   |                            |
| 9     | Spring washer; B6                | 23 03 300  | 2   |                            |
| 10    | Drain hose; DN50 X 4             | 65005070   |     |                            |
| 11    | Drain pump; 200-240V/50-60HZ     | 31 02 410  |     |                            |
| 12    | Hose clamp; D32-52 X 12          | 28 02 110  | 2   |                            |
| 13    | Hose bend; DN24 X 4,0            | 61005028   |     |                            |
| 14    | Sump pan cpl.                    | 61005186   |     | incl. item 14.1            |
| 14.1  | O-ring; 91 X 3,0                 | 27 07 009  |     |                            |
| 15    | Drain outlet; D72 X 69,3         | 61004905   |     |                            |
| 16    | Sump filter; D70                 | 61004701   |     |                            |
| 17    | Trough; 1,5 X 401 X 655          | 65005021   |     |                            |
| 18    | Spacer; 3,0 X 16 X 46            | 61005003   |     |                            |
| 19    | Hose clamp; D47-67 X 12          | 28 02 115  |     |                            |

# GS 640/650



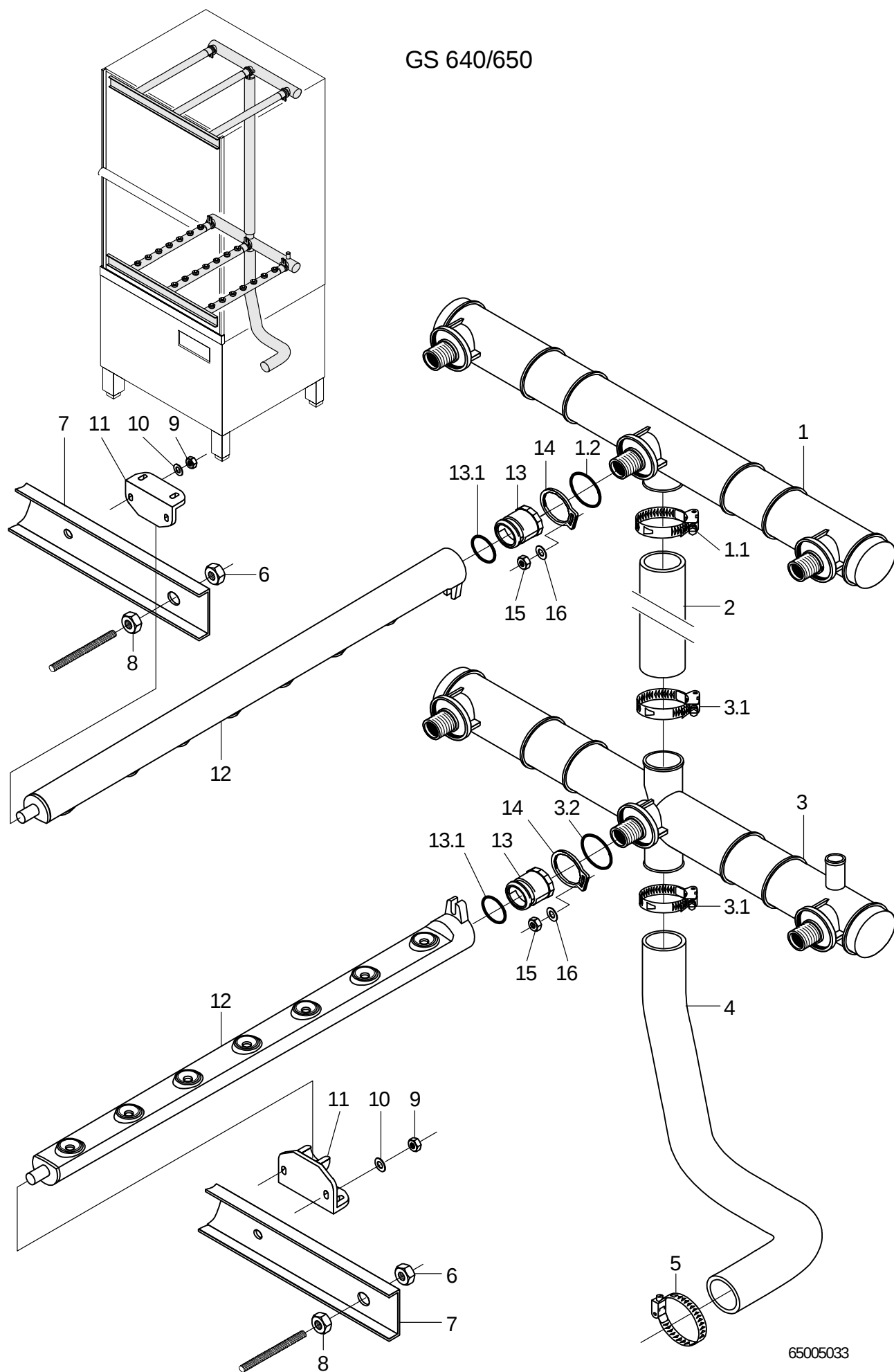
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## GS 640 / GS 650

### Wash system I

| Item. | Designation                       | Parts no.: | Pc. | Notes                    |
|-------|-----------------------------------|------------|-----|--------------------------|
| 1     | Pump 1.85kW 3/3; 230V/400V/3/50HZ | 31 02 392  |     | incl. item 1.1 - 1.11    |
| 1     | Pump 1.85kW 3/3; 230V/400V/3/60HZ | 31 02 393  |     | incl. item 1.1 - 1.11    |
| 1     | Pump 1.85kW 3/3; 200V/346V/3/50HZ | 31 02 394  |     | incl. item 1.1 - 1.11    |
| 1     | Pump 1.85kW 3/3; 200V/346V/3/60HZ | 31 02 395  |     | incl. item 1.1 - 1.11    |
| 1.1   | Fan hood                          | 31 02 212  |     |                          |
| 1.2   | Fan blade                         | 31 02 211  |     |                          |
| 1.3   | Terminal plate; 3-POLIG           | 31 02 225  |     |                          |
| 1.4   | Terminal box gasket; 3102327      | 31 02 213  |     |                          |
| 1.5   | Pump cover                        | 31 02 208  |     |                          |
| 1.6   | Gasket set; 1,1/1,7/1,85/0,73 KW  | 80002670   |     | incl. item 1.6.1 - 1.6.2 |
| 1.6.1 | O-ring; 158,35 X 3,53             | 31 02 209  |     |                          |
| 1.6.2 | Dome head nut; M8 SELBSTSICHERND  | 21 10 305  |     |                          |
| 1.7   | Pump impeller; D119; 1,85KW; 50HZ | 31 02 407  |     | for 50Hz pumps           |
| 1.7   | Pump impeller; D100; 1,85KW; 60HZ | 31 02 408  |     | for 60Hz pumps           |
| 1.8   | Pump housing                      | 31 02 204  |     |                          |
| 1.9   | O-ring; 20 X 3,5                  | 27 07 040  | 2   |                          |
| 1.10  | Blind plug; G 1/2" X 20,5         | 35 01 108  | 2   |                          |
| 1.11  | Hexagonal screw; M4 X 22; 8.8     | 20 01 021  |     |                          |
| 2     | Buffer; D30 X 25                  | 40 06 022  | 2   |                          |
| 3     | Hose clamp; D62-82 X 12           | 28 02 308  | 2   |                          |
| 4     | Hose bend; DN62 X 7,0             | 65004103   |     |                          |
| 5     | Filter; D84 X D2 X 12             | 65004188   |     |                          |
| 6     | Washer; D5,3 X D12 X 0,8          | 22 02 213  |     |                          |
| 7     | Dome head nut; M5                 | 21 10 303  |     |                          |
| 8     | Washer; D8,4 X D17 X 1,6          | 22 01 303  |     |                          |
| 9     | Hexagonal nut; M8                 | 21 01 305  |     |                          |

# GS 640/650



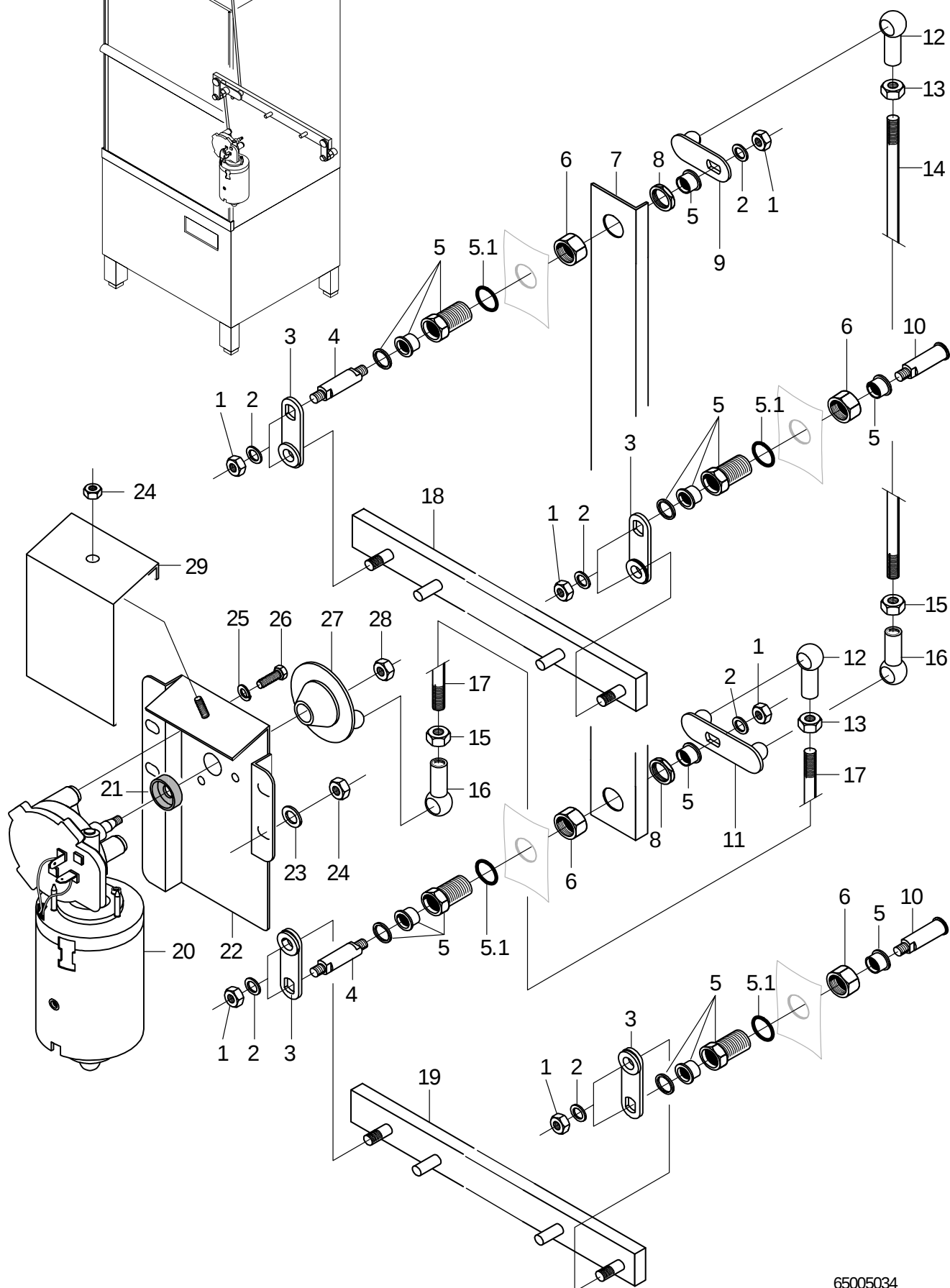
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## GS 640 / GS 650

### Wash system II

| Item.       | Designation                                | Parts no.:       | Pc. | Notes                     |
|-------------|--------------------------------------------|------------------|-----|---------------------------|
| <b>1</b>    | Top wash distributor cpl.                  | <b>65004824</b>  |     | incl. item 1.1 - 1.2      |
| <b>1.1</b>  | Hose clamp; D47-67 X 12                    | <b>28 02 115</b> |     |                           |
| <b>1.2</b>  | O-ring; 29,5 X 4,5                         | <b>27 07 008</b> | 3   |                           |
| <b>2</b>    | Reinforced hose; DN50 X 8,0                | <b>40 02 006</b> |     | 755 mm; Metre item GS 640 |
| <b>2</b>    | Reinforced hose; DN50 X 8,0                | <b>40 02 006</b> |     | 925 mm; Metre item GS 650 |
| <b>3</b>    | Bottom wash distributor cpl.               | <b>65004825</b>  |     | incl. item 3.1 - 3.2      |
| <b>3.1</b>  | Hose clamp; D47-67 X 12                    | <b>28 02 115</b> | 2   |                           |
| <b>3.2</b>  | O-ring; 29,5 X 4,5                         | <b>27 07 008</b> | 3   |                           |
| <b>4</b>    | Hose bend; DN50 X 6,0                      | <b>65004151</b>  |     |                           |
| <b>5</b>    | Hose clamp; D47-67 X 12                    | <b>28 02 115</b> |     |                           |
| <b>6</b>    | Hexagonal nut; M8 SELBSTSICHERND           | <b>21 05 306</b> |     |                           |
| <b>7</b>    | Wash arm support cpl.                      | <b>65004014</b>  | 2   |                           |
| <b>8</b>    | Hexagonal nut; M8                          | <b>21 01 305</b> |     |                           |
| <b>9</b>    | Hexagonal nut; M5 SELBSTSICHERND           | <b>21 05 302</b> |     |                           |
| <b>10</b>   | Washer; D5,3 X D12 X 0,8                   | <b>22 02 313</b> |     |                           |
| <b>11</b>   | Door lock with magnet, short; 29 X 32 X 64 | <b>60002524</b>  | 6   |                           |
| <b>12</b>   | Wash arm cpl.; 7 DÜSEN                     | <b>65004997</b>  | 6   |                           |
| <b>13</b>   | Locking nut cpl.                           | <b>60002785</b>  | 6   | incl. item 13.1           |
| <b>13.1</b> | O-ring; 24 X 4                             | <b>61005781</b>  |     |                           |
| <b>14</b>   | Setting washer; 5,0 X 40 X 50              | <b>60002540</b>  | 6   |                           |
| <b>15</b>   | Hexagonal nut; M4 SELBSTSICHERND           | <b>21 05 300</b> |     |                           |
| <b>16</b>   | Washer; D4,3 X D12 X 1,0                   | <b>22 05 300</b> |     |                           |

# GS 640/650

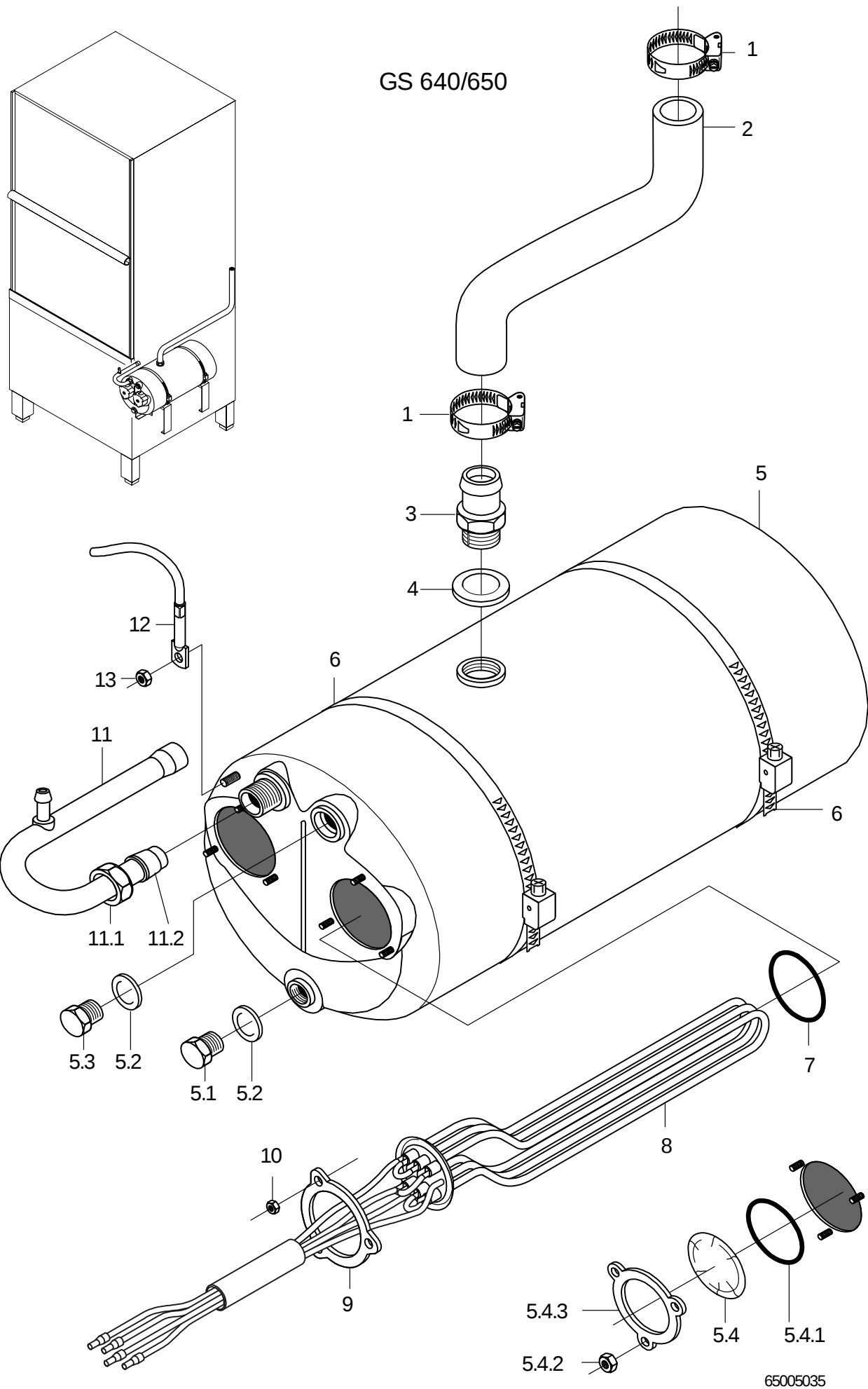


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## GS 640 / GS 650

### Reversing

| Item.       | Designation                        | Parts no.:       | Pc. | Notes            |
|-------------|------------------------------------|------------------|-----|------------------|
| <b>o.P.</b> | Reversal wiring loom; 2 X 0,75QMM  | <b>65005013</b>  |     |                  |
| <b>1</b>    | Hexagonal nut; M6 SELBSTSICHERND   | <b>21 05 304</b> |     |                  |
| <b>2</b>    | Washer; D6,4 X D18 X 1,6           | <b>22 05 302</b> |     |                  |
| <b>3</b>    | Reversing lever cpl.               | <b>60002392</b>  | 4   |                  |
| <b>4</b>    | Reversing shaft; D12 X 66,6        | <b>60002385</b>  | 2   |                  |
| <b>5</b>    | Bearing bush cpl.                  | <b>65004835</b>  | 4   | incl. item 5.1   |
| <b>5.1</b>  | O-ring; 26 X 2,5                   | <b>27 07 062</b> |     |                  |
| <b>6</b>    | Hexagonal nut; G 3/4" X 10,0; SW36 | <b>30 09 209</b> | 4   |                  |
| <b>7</b>    | Elbow; 1,5 X 57 X 863              | <b>65004323</b>  |     | GS 640           |
| <b>7</b>    | Elbow; 1,5 X 57 X 1034             | <b>65003002</b>  |     | GS 650           |
| <b>8</b>    | Hexagonal nut; G 3/4" X 5,0; SW32  | <b>61002626</b>  | 2   |                  |
| <b>9</b>    | Lever cpl.                         | <b>60002391</b>  |     |                  |
| <b>10</b>   | Reversing axle; D15 X 57,3         | <b>60002384</b>  | 2   |                  |
| <b>11</b>   | Lever cpl.                         | <b>65003803</b>  |     |                  |
| <b>12</b>   | Ball socket right; M8              | <b>28 05 500</b> | 2   |                  |
| <b>13</b>   | Hexagonal nut; M8                  | <b>21 01 305</b> |     |                  |
| <b>14</b>   | Threaded rod; M8 X 775             | <b>65004047</b>  |     | GS 640           |
| <b>14</b>   | Threaded rod; M8 X 952             | <b>65003807</b>  |     | GS 650           |
| <b>15</b>   | Hexagonal nut; M8 LH               | <b>21 01 001</b> |     | Left-hand thread |
| <b>16</b>   | Ball socket left; M8-LH            | <b>28 05 501</b> | 2   | Left-hand thread |
| <b>17</b>   | Threaded rod; M8 X 180             | <b>65003806</b>  |     |                  |
| <b>18</b>   | Top connecting rod cpl.            | <b>65004132</b>  |     |                  |
| <b>19</b>   | Connecting rod cpl.                | <b>65003987</b>  |     |                  |
| <b>20</b>   | Gear motor; 24V                    | <b>31 16 062</b> |     |                  |
| <b>21</b>   | Radial shaft seal; D9,7 X D18 X 6  | <b>27 10 022</b> |     |                  |
| <b>22</b>   | Bracket cpl.                       | <b>65004807</b>  |     |                  |
| <b>23</b>   | Washer; D5,3 X D12 X 0,8           | <b>22 02 313</b> |     |                  |
| <b>24</b>   | Hexagonal nut; M5 SELBSTSICHERND   | <b>21 05 302</b> |     |                  |
| <b>25</b>   | Spring washer; B6                  | <b>23 03 300</b> |     |                  |
| <b>26</b>   | Hexagonal screw; M6 X 10; A70      | <b>20 01 332</b> |     |                  |
| <b>27</b>   | Crank disk cpl.                    | <b>60001297</b>  |     |                  |
| <b>28</b>   | Hexagonal nut; M8 SELBSTSICHERND   | <b>21 05 306</b> |     |                  |
| <b>29</b>   | Guard plate; 1,0 X 98 X 217,4      | <b>65004801</b>  |     |                  |



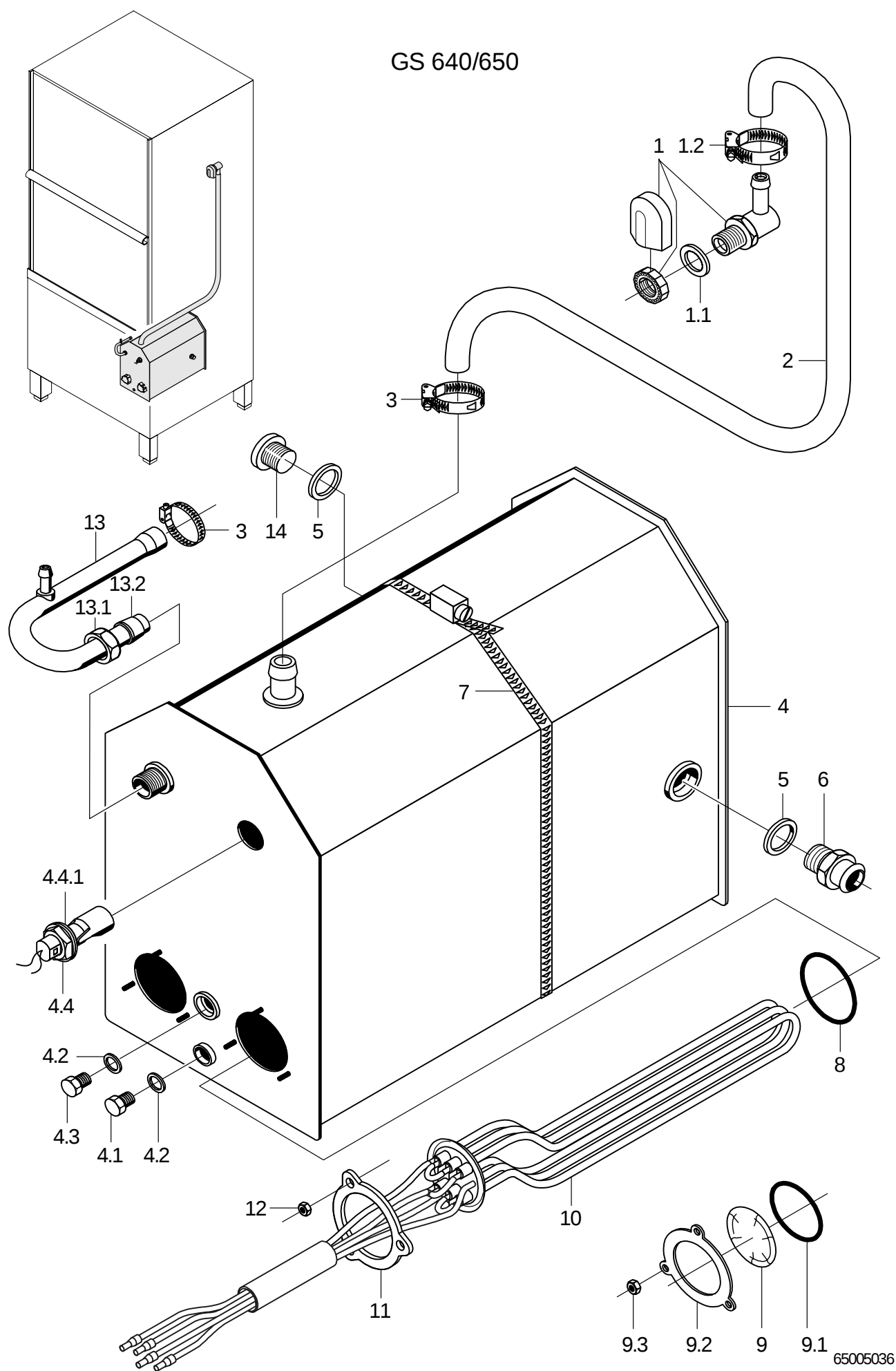
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## GS 640 / GS 650

### Rinsing I

| Item. | Designation                                        | Parts no.: | Pc. | Notes                    |
|-------|----------------------------------------------------|------------|-----|--------------------------|
| 1     | Hose clamp; D24-44 X 12                            | 28 02 309  |     |                          |
| 2     | Hose bend; DN25 X 4,0                              | 65004182   |     |                          |
| 3     | Hose nipple; D26 X 41; G 1/2"; SW27                | 80001403   |     |                          |
| 4     | Gasket; D21 X D28 X 2,0                            | 27 09 011  |     |                          |
| 5     | Boiler cpl., 2-hole; 12 KW; 480 LG                 | 55 12 032  |     | incl. item 5.1 - 5.4     |
| 5.1   | Hexagonal screw; M10 X 16; A70                     | 20 01 352  |     |                          |
| 5.2   | Gasket; D10 X D18 X 1,5                            | 27 03 003  |     |                          |
| 5.3   | Locking screw; M9 X 1 X 14                         | 70003890   |     |                          |
| 5.4   | Blind flange cpl.                                  | 60002787   |     | incl. item 5.4.1 - 5.4.3 |
| 5.4.1 | O-ring; 43 X 7                                     | 27 07 069  |     |                          |
| 5.4.2 | Hexagonal nut; M5                                  | 21 01 203  | 3   |                          |
| 5.4.3 | Clamping plate; D43 X D80 X 4,0                    | 01 17 003  |     |                          |
| 6     | Hose clamp; D182-202 X 12                          | 28 02 121  |     |                          |
| 7     | O-ring; 43 X 7                                     | 27 07 069  | 2   |                          |
| 8     | Heater with fuse, 6.0kW; 3 X 400V                  | 31 03 150  |     |                          |
| 8     | Heater with fuse, 9.0kW; 3 X 400V                  | 31 03 177  |     |                          |
| 8     | Heater with fuse, 6.0kW; 3 X 420V                  | 31 03 152  |     |                          |
| 8     | Heater with fuse, 9.0kW; 3 X 420V                  | 31 03 179  |     |                          |
| 8     | Heater with fuse, 6.0kW; 3 X 200V                  | 31 03 151  |     |                          |
| 8     | Heater with fuse, 3.0kW; 3 X 200V                  | 31 03 155  |     |                          |
| 8     | Heater with fuse, 6.0kW; 3 X 230V                  | 31 03 158  |     |                          |
| 9     | Clamping plate; D43 X D80 X 4,0                    | 01 17 003  |     |                          |
| 10    | Hexagonal nut; M5                                  | 21 01 203  |     |                          |
| 11    | Boiler inlet elbow, cpl.                           | 55 09 054  |     | incl. item 11.1 - 11.2   |
| 11.1  | Union nut; G 1/2" X D12,2; SW24                    | 29 07 201  |     |                          |
| 11.2  | Cutting ring; D12 X 10                             | 29 07 300  |     |                          |
| 12    | Boiler thermal sensor with cable; KABELLÄNGE 750MM | 31 25 044  |     |                          |
| 13    | Hexagonal nut; M5 SELBSTSICHERND                   | 21 05 302  |     |                          |

GS 640/650



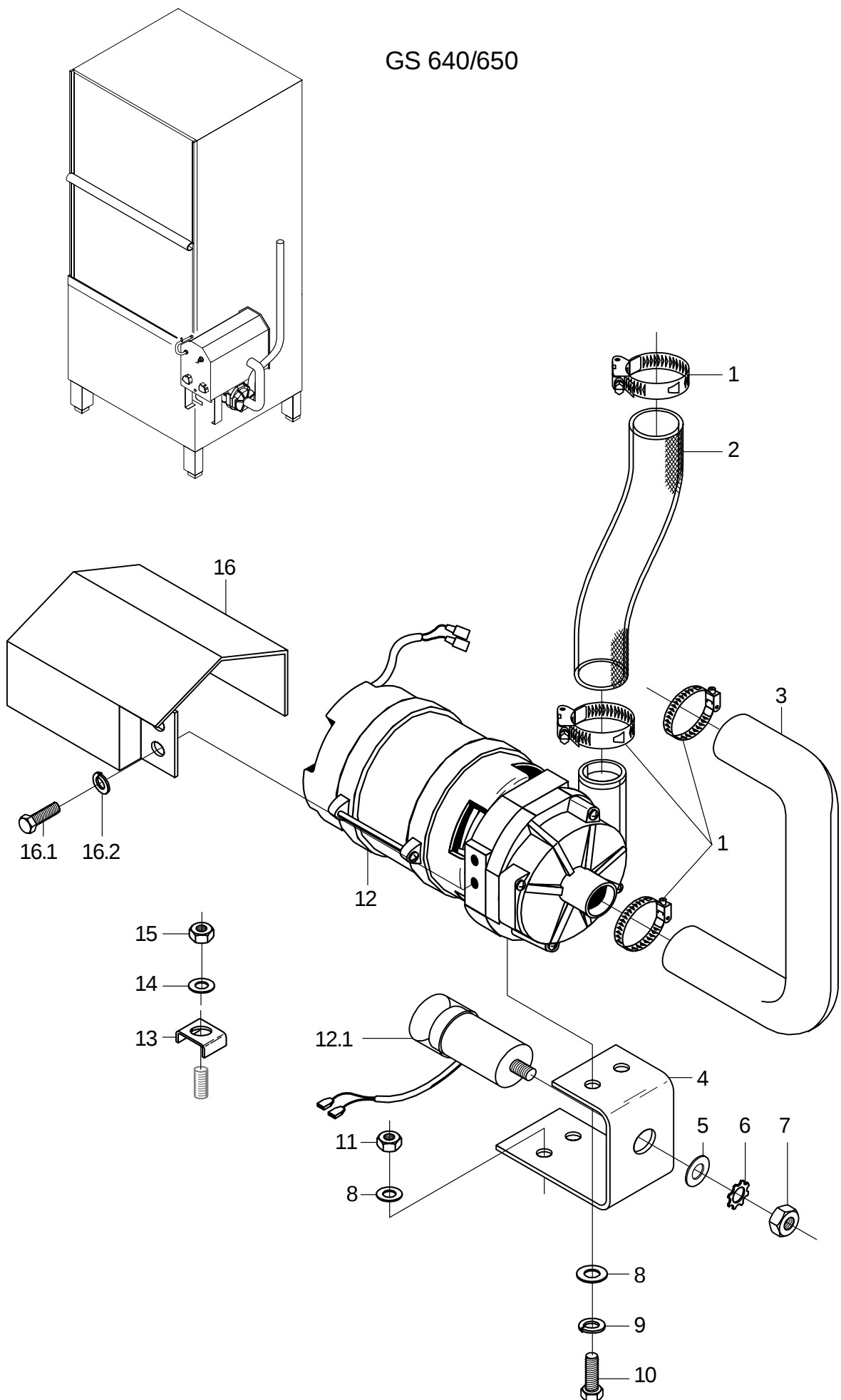
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## GS 640 / GS 650

### Rinsing II (AquaMatik)

| Item.        | Designation                         | Parts no.:       | Pc.      | Notes                  |
|--------------|-------------------------------------|------------------|----------|------------------------|
| <b>1</b>     | Water inlet set cpl., 3-part        | <b>55 31 007</b> |          | incl. item 1.1 - 1.2   |
| <b>1.1</b>   | Gasket; D20,5 X D28,5 X 2,0         | <b>27 01 002</b> |          |                        |
| <b>1.2</b>   | Hose clamp; D14-24 X 9              | <b>28 02 108</b> |          |                        |
| <b>2</b>     | Hose bend; DN12,5 X 4,0             | <b>40 03 056</b> |          | adapt                  |
| <b>3</b>     | Hose clamp; D14-24 X 9              | <b>28 02 108</b> |          |                        |
| <b>4</b>     | Pressureless boiler cpl.            | <b>80002128</b>  |          | incl. item 4.1 - 4.4   |
| <b>4.1</b>   | Hexagonal screw; M10 X 16; A70      | <b>20 01 352</b> |          |                        |
| <b>4.2</b>   | Gasket; D10 X D18 X 1,5             | <b>27 03 003</b> |          |                        |
| <b>4.3</b>   | Locking screw; M9 X 1 X 14          | <b>70003890</b>  |          |                        |
| <b>4.4</b>   | Float switch installation set       | <b>55 28 255</b> |          |                        |
| <b>4.4.1</b> | Rubber seal; D27 X D20 X 14         | <b>31 26 036</b> |          |                        |
| <b>5</b>     | Gasket; D21 X D28 X 2,0             | <b>27 09 011</b> | <b>2</b> |                        |
| <b>6</b>     | Hose nipple; D26 X 41; G 1/2"; SW27 | <b>80001403</b>  |          |                        |
| <b>7</b>     | Hose clamp; D212-232 X 12           | <b>28 02 136</b> |          |                        |
| <b>8</b>     | O-ring; 43 X 7                      | <b>27 07 069</b> |          |                        |
| <b>9</b>     | Blind flange cpl.                   | <b>60002787</b>  |          | incl. item 9.1 – 9.3   |
| <b>9.1</b>   | O-ring; 43 X 7                      | <b>27 07 069</b> |          |                        |
| <b>9.2</b>   | Hexagonal nut; M5                   | <b>21 01 203</b> |          |                        |
| <b>9.3</b>   | Clamping plate; D43 X D80 X 4,0     | <b>01 17 003</b> |          |                        |
| <b>10</b>    | Heater with fuse, 6.0kW; 3 X 400V   | <b>31 03 150</b> |          |                        |
| <b>10</b>    | Heater with fuse, 9.0kW; 3 X 400V   | <b>31 03 177</b> |          |                        |
| <b>10</b>    | Heater with fuse, 6.0kW; 3 X 420V   | <b>31 03 152</b> |          |                        |
| <b>10</b>    | Heater with fuse, 9.0kW; 3 X 420V   | <b>31 03 179</b> |          |                        |
| <b>10</b>    | Heater with fuse, 6.0kW; 3 X 200V   | <b>31 03 151</b> |          |                        |
| <b>10</b>    | Heater with fuse, 3.0kW; 3 X 200V   | <b>31 03 155</b> |          |                        |
| <b>10</b>    | Heater with fuse, 6.0kW; 3 X 230V   | <b>31 03 158</b> |          |                        |
| <b>11</b>    | Clamping plate; D43 X D80 X 4,0     | <b>01 17 003</b> |          |                        |
| <b>12</b>    | Hexagonal nut; M5                   | <b>21 01 203</b> |          |                        |
| <b>13</b>    | Boiler inlet elbow, cpl.            | <b>55 09 054</b> |          | incl. item 13.1 - 13.2 |
| <b>13.1</b>  | Union nut; G 1/2" X D12,2; SW24     | <b>29 07 201</b> |          |                        |
| <b>13.2</b>  | Cutting ring; D12 X 10              | <b>29 07 300</b> |          |                        |
| <b>14</b>    | Locking screw; G 1/2"               | <b>30 08 303</b> |          |                        |

# GS 640/650



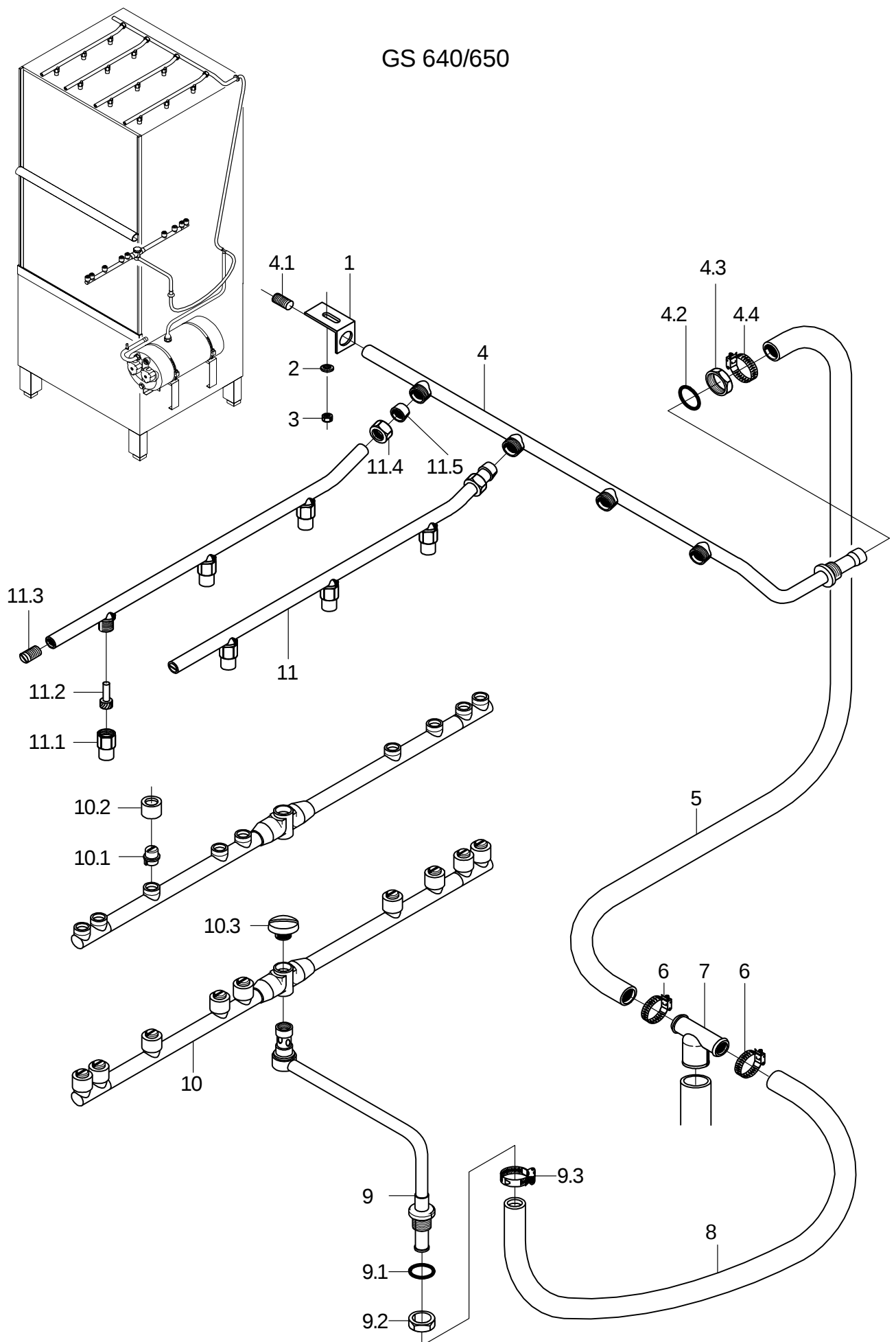
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## GS 640 / GS 650

### Rinsing III

| Item. | Designation                       | Parts no.: | Pc. | Notes                  |
|-------|-----------------------------------|------------|-----|------------------------|
| 1     | Hose clamp; D24-36 X 12           | 28 02 111  | 2   |                        |
| 2     | Reinforced hose; DN25,4 X 4,4     | 40 01 023  |     | 900 mm; Metre item     |
| 3     | Hose bend; DN25 X 4,0             | 65004027   |     |                        |
| 4     | Pump bracket; 2,0 X 45 X 102      | 80001482   |     |                        |
| 5     | Washer; D8,4 X D17 X 1,6          | 22 01 303  |     |                        |
| 6     | Spring washer; B8                 | 23 03 301  |     |                        |
| 7     | Hexagonal nut; M8                 | 21 01 305  |     |                        |
| 8     | Washer; D5,3 X D12 X 0,8          | 22 02 213  |     |                        |
| 9     | Spring washer; B6                 | 23 03 300  |     |                        |
| 10    | Hexagonal screw; M6 X 16; A70     | 20 01 306  |     |                        |
| 11    | Hexagonal nut; M5 SELBSTSICHERND  | 21 05 302  |     |                        |
| 12    | Pump 0.270kW 8/0; 220/240V/1/50HZ | 31 02 477  |     | incl. item 12.1        |
| 12    | Pump 0.270kW 8/0; 220/240V/1/60HZ | 31 02 445  |     | incl. item 12.1        |
| 12    | Pump 0.270kW 8/0; 200V/1/50HZ     | 31 02 446  |     | incl. item 12.1        |
| 12    | Pump 0.270kW 8/0; 200V/1/60HZ     | 31 02 447  |     | incl. item 12.1        |
| 12.1  | Capacitor; 5 MIKRO F              | 31 13 099  |     |                        |
| 13    | Hexagonal screw; M6 X 16; A70     | 20 01 306  |     |                        |
| 14    | Washer; D6,4 X D12,5 X 1,6        | 22 01 302  |     |                        |
| 15    | Hexagonal nut; M6                 | 21 01 304  |     |                        |
| 16    | Guard plate cpl.                  | 80002255   |     | incl. item 16.1 – 16.2 |
| 16.1  | Hexagonal screw; M6 X 16; A70     | 20 01 306  |     |                        |
| 16.2  | Spring washer; B6                 | 23 03 300  |     |                        |

# GS 640/650



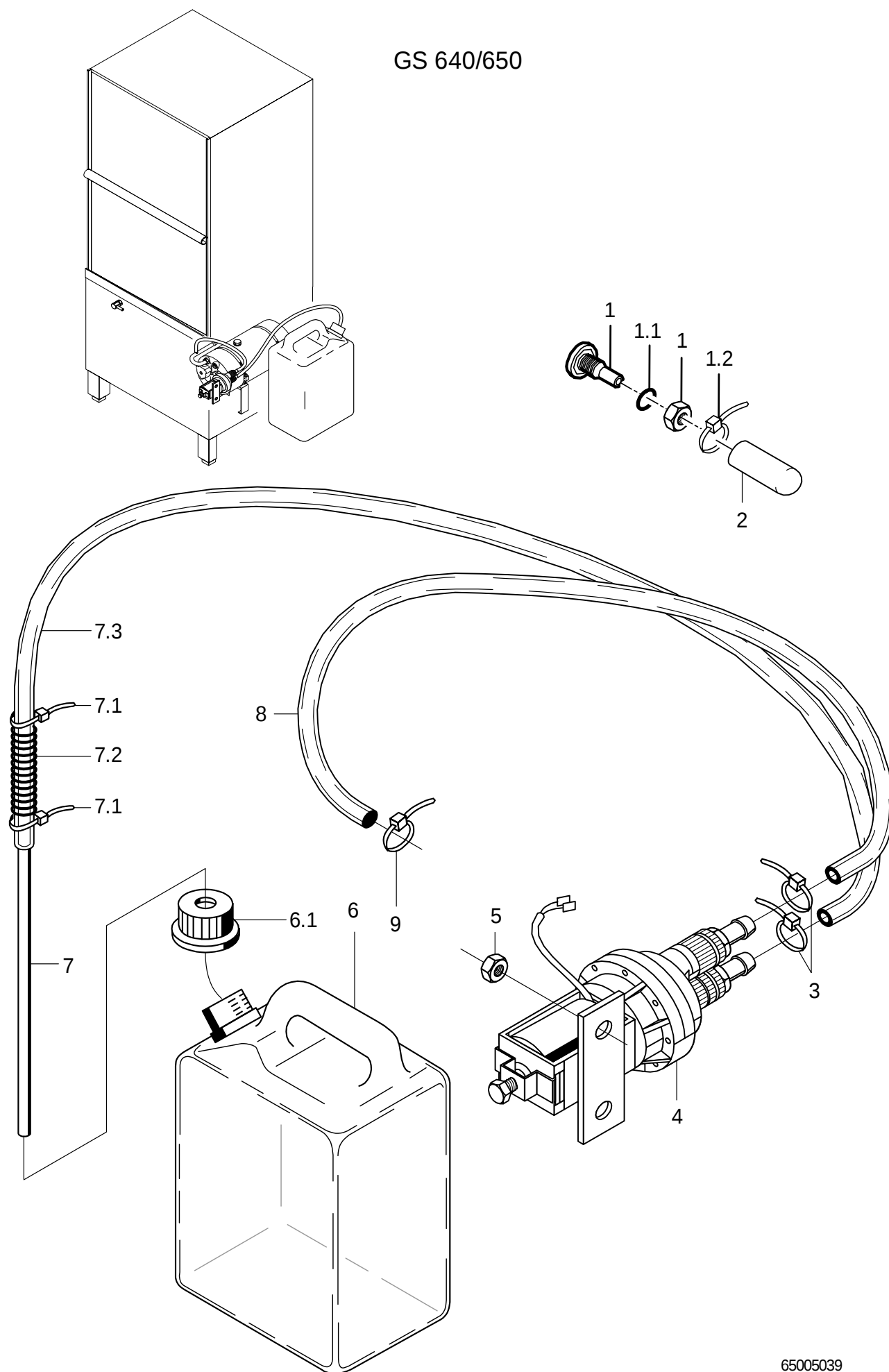
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## GS 640 / GS 650

### Rinsing IV

| Item. | Designation                       | Parts no.: | Pc. | Notes                        |
|-------|-----------------------------------|------------|-----|------------------------------|
| 1     | Elbow; 1,0 X 20 X 58              | 65003117   |     |                              |
| 2     | Washer; D5,3 X D12 X 0,8          | 22 02 213  |     |                              |
| 3     | Hexagonal nut; M5 SELBSTSICHERND  | 21 05 302  |     |                              |
| 4     | Rinsing manifold top              | 65000032   |     | incl. item 4.1 - 4.4         |
| 4.1   | Threaded pin; M11 X 1,0 X 20      | 20 30 503  |     |                              |
| 4.2   | O-ring; 16 X 2,5                  | 27 07 001  |     |                              |
| 4.3   | Hexagonal nut; G 3/8" X 5,5; SW22 | 30 09 200  |     |                              |
| 4.4   | Hose clamp; D14-24 X 9            | 28 02 108  |     |                              |
| 5     | Hose elbow 90°; DN12,5X4,0;45X880 | 62001434   |     |                              |
| 6     | Hose clamp; D14-24 X 9            | 28 02 108  |     |                              |
| 7     | T-piece; D25 X D14,5 X 14,5       | 62001329   |     |                              |
| 8     | Reinforced hose; DN13 X 3,5       | 40 02 002  |     | 810 mm; Metre item           |
| 9     | Revolving arm holder cpl.         | 65004811   |     | incl. item 9.1 – 9.3         |
| 9.1   | O-ring; 20 X 3,5                  | 27 07 040  |     |                              |
| 9.2   | Hexagonal nut; G 1/2" X 8,0; SW27 | 30 09 201  |     |                              |
| 9.3   | Hose clamp; D14-24 X 9            | 28 02 108  |     |                              |
| 10    | Revolving arm cpl.                | 61005327   |     | incl. item 10.1 - 10.3       |
| 10.1  | Fan jet, size 5; D11,2 X 10       | 62002820   | 9   |                              |
| 10.2  | Union nut; M14 X D9,1; D17        | 62002812   | 9   |                              |
| 10.3  | Screw cap; M10 X D7,8 X D24       | 61005681   |     |                              |
| 11    | Rinse pipe cpl.                   | 65004011   | 2   | 1st jet 30mm from the front  |
| 11    | Rinse pipe cpl.                   | 65004012   | 2   | 1st jet 120mm from the front |
| 11.1  | Spray jet cap; D14,6 X 21         | 65002765   | 3   |                              |
| 11.2  | Spray jet swirl; D8 X 18,8        | 65002764   | 3   |                              |
| 11.3  | Threaded pin; M9 X 40             | 20 30 502  |     |                              |
| 11.4  | Union nut; G 3/8" X D10,2; SW22   | 29 07 200  |     |                              |
| 11.5  | Clamping ring; D10,2              | 29 07 500  |     |                              |

# GS 640/650



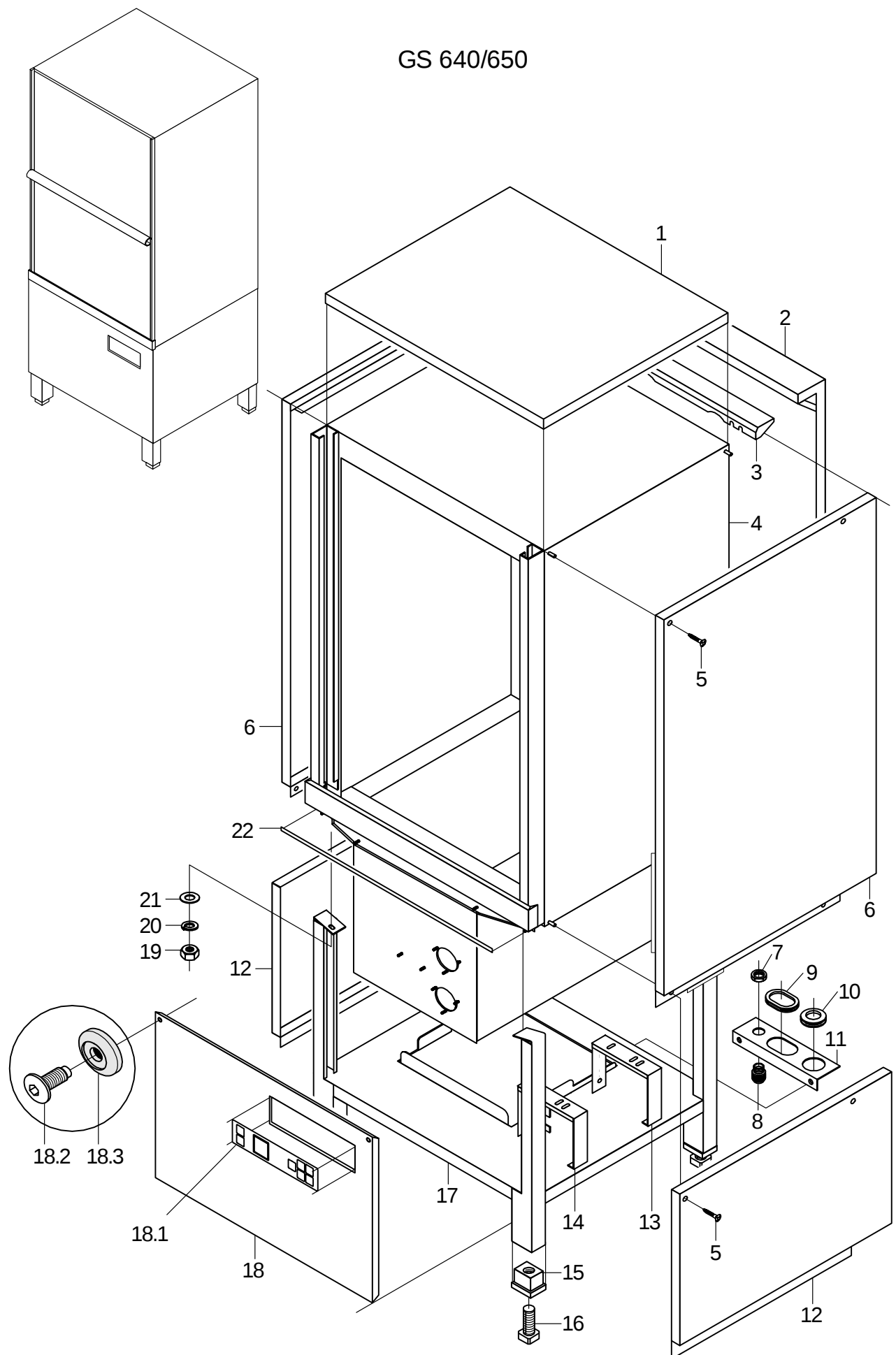
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## GS 640 / GS 650

### Dosage

| Item.       | Designation                                      | Parts no.:       | Pc. | Notes                   |
|-------------|--------------------------------------------------|------------------|-----|-------------------------|
| <b>1</b>    | Set of dispenser nipples; M10 X 29; SW5          | <b>61005883</b>  |     | incl. item 1.1 - 1.2    |
| <b>1.1</b>  | O-ring; 10 X 2,5                                 | <b>27 07 030</b> |     |                         |
| <b>1.2</b>  | Nylon clip; 200 X 4,7                            | <b>31 20 015</b> |     |                         |
| <b>2</b>    | Press-on cap; D6 X 15                            | <b>35 03 023</b> |     |                         |
| <b>3</b>    | Nylon clip; 100 X 2,5                            | <b>31 20 014</b> |     |                         |
| <b>4</b>    | Dispenser ELT 10 DC, left cpl.; 200-240V/50-60HZ | <b>80000554</b>  |     | see separate parts list |
| <b>5</b>    | Hexagonal nut; M4 SELBSTSICHERND                 | <b>21 05 300</b> |     |                         |
| <b>6</b>    | Detergent container; 3 LITER                     | <b>35 02 004</b> |     | incl. item 6.1          |
| <b>6.1</b>  | Locking cap blue                                 | <b>35 02 023</b> |     | bore if necessary       |
| <b>7</b>    | Suction stick cpl.                               | <b>55 25 051</b> |     | incl. item 7.1 – 7.3    |
| <b>7.1</b>  | Nylon clip; 100 X 2,5                            | <b>31 20 014</b> | 2   |                         |
| <b>7.2</b>  | Spring; D0,8 X DI10 X 280                        | <b>62002419</b>  |     |                         |
| <b>7.3</b>  | Hose; DN5 X 1,5                                  | <b>40 01 024</b> |     | 2500 mm; Metre item     |
| <b>8</b>    | Hose; DN5 X 1,5                                  | <b>40 01 024</b> |     | 700 mm; Metre item      |
| <b>9</b>    | Nylon clip; 100 X 2,5                            | <b>31 20 014</b> |     |                         |
| <b>o.P.</b> | Anti-foaming dosing set                          | <b>55 28 277</b> |     |                         |

# GS 640/650



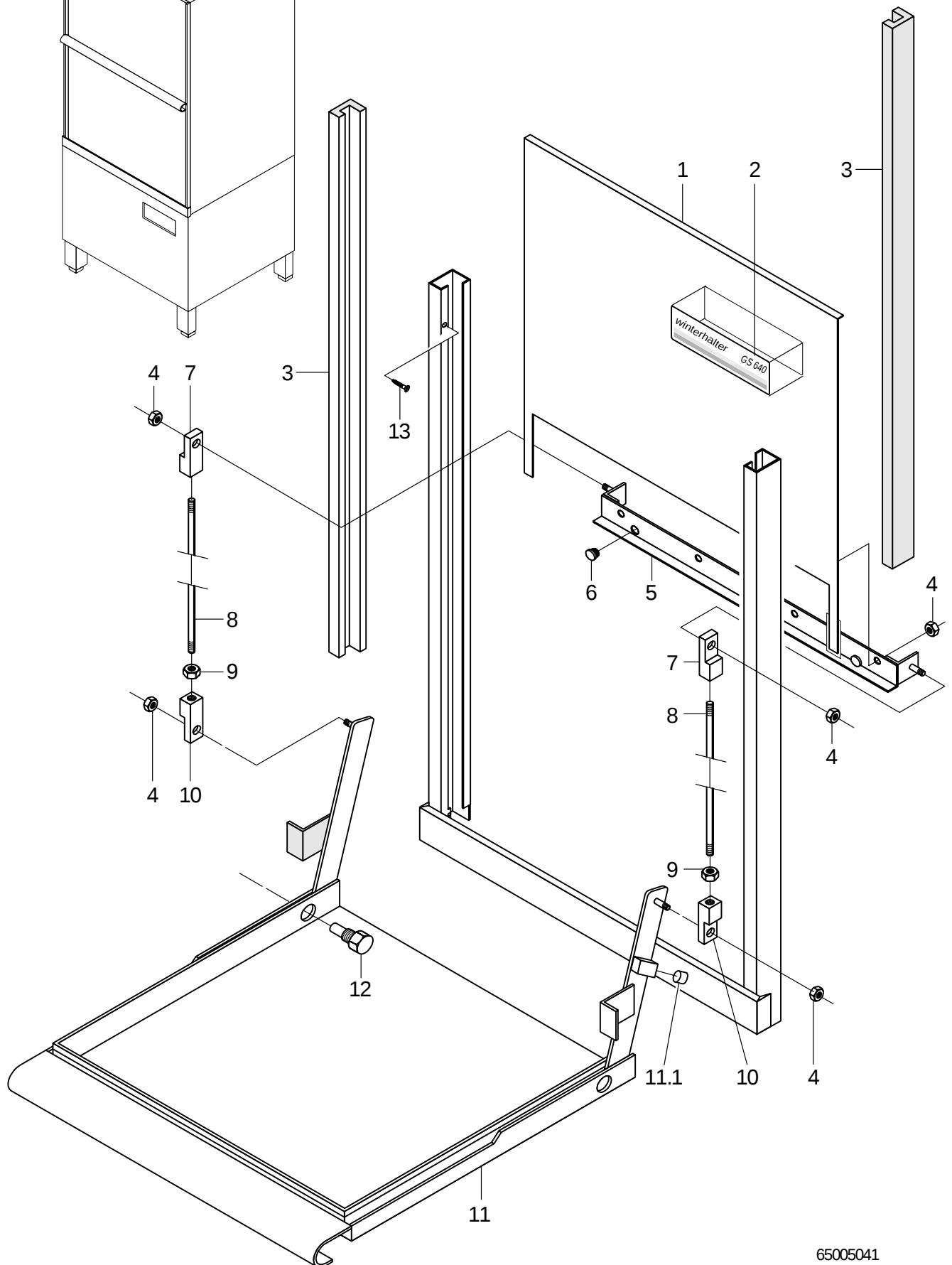
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## GS 640 / GS 650

### Chassis, container and panelling

| Item. | Designation                               | Parts no.: | Pc. | Notes                  |
|-------|-------------------------------------------|------------|-----|------------------------|
| 1     | Top trim panel; 1,0 X 761,5 X 771         | 65004646   |     |                        |
| 2     | Rear wall panelling cpl.                  | 65004661   |     | GS 640                 |
| 2     | Rear wall panelling cpl.                  | 65004656   |     | GS 650                 |
| 3     | Elbow; 1,5 X 69,65 X 684,5                | 65004744   |     |                        |
| 4     | Housing cpl.                              | 65004993   |     | GS 640                 |
| 4     | Housing cpl.                              | 65004994   |     | GS 650                 |
| 5     | Cup screw with retaining ring; M5 X 15    | 70005097   | 8   |                        |
| 6     | Top panelling; 1,0 X 890 X 936            | 65004650   | 2   | GS 640                 |
| 6     | Top panelling; 1,0 X 890 X 1106           | 65004610   | 2   | GS 650                 |
| 7     | Hexagonal nut; PG29                       | 31 10 047  |     |                        |
| 7     | Reducing ring; KUK 29/21                  | 31 10 091  |     |                        |
| 8     | Cable joint; PG21; 13 - 18 MM             | 31 10 070  |     |                        |
| 8     | Cable joint; PG29                         | 31 10 123  |     |                        |
| 9     | Membrane spout; 6,0 X 58 X 76; D17        | 61004891   |     |                        |
| 10    | Membrane spout; 6,0 X D57 X D73; D40      | 61004889   |     |                        |
| 11    | Elbow; 1,0 X 111 X 307                    | 65004988   |     |                        |
| 12    | Bottom panelling cpl.                     | 65004547   | 2   |                        |
| 13    | Bracket; 1,5 X 67 X 586,5                 | 65004070   |     |                        |
| 14    | Bracket cpl.                              | 65004618   |     |                        |
| 15    | Threaded insert; G 3/4"; 42 X 62 X 50     | 35 01 063  | 4   |                        |
| 16    | Adjustable foot; G 3/4"; 32 X 32 X 100    | 35 01 064  | 4   |                        |
| 17    | Base frame cpl.                           | 65005024   |     |                        |
| 18    | Front panelling with operating panel      | 65005059   |     | incl. item 18.1 - 18.3 |
| 18.1  | "Operating Panel" plate; 0,175 X 50 X 180 | 31 24 223  |     |                        |
| 18.2  | Cup screw with retaining ring; M5 X 15    | 70005097   | 2   |                        |
| 18.3  | Washer; D7,2 X D26 X 5,14                 | 70003135   | 2   | blue                   |
| 19    | Hexagonal nut; M8                         | 21 01 305  |     |                        |
| 20    | Spring washer; B8                         | 23 03 301  |     |                        |
| 21    | Washer; D8,4 X D17 X 1,6                  | 22 01 303  |     |                        |
| 22    | Sealing profile; 0,5 - 2,0MM              | 40 04 006  |     | 716 mm; Metre item     |
| o.P.  | Silicone adhesive Elastosil E43; 90 ML    | 34 03 012  |     | for profile seal       |

# GS 640/650



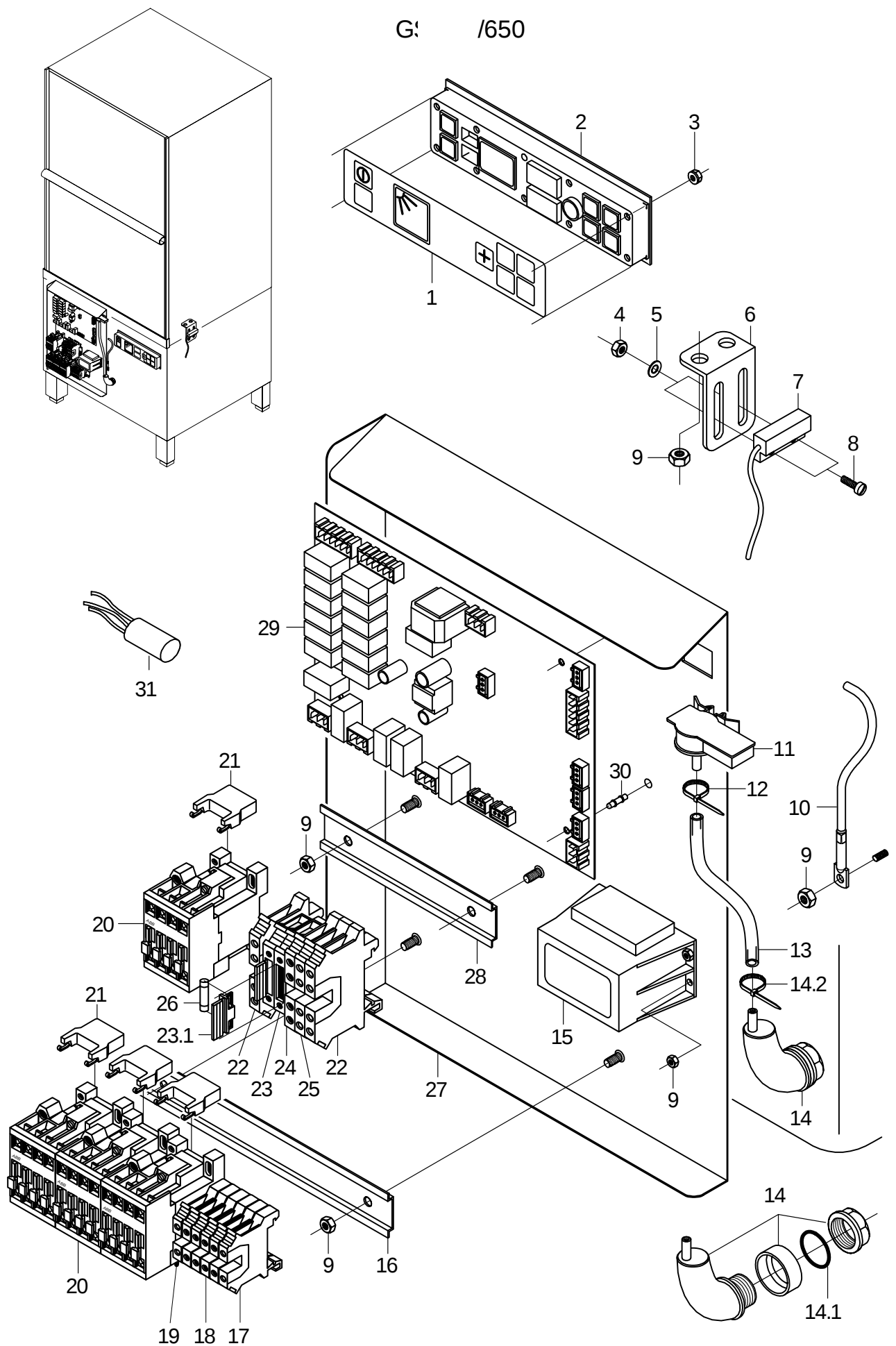
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## GS 640 / GS 650

### Door

| Item. | Designation                                | Parts no.: | Pc. | Notes  |
|-------|--------------------------------------------|------------|-----|--------|
| 1     | Lifting door cpl.                          | 65004491   |     | GS 640 |
| 1     | Lifting door cpl.                          | 65004488   |     | GS 650 |
| 2     | "Winterhalter GS640" plate; 0,4 X 35 X 126 | 65005000   |     |        |
| 2     | "Winterhalter GS650" plate; 0,4 X 35 X 126 | 65005001   |     |        |
| 3     | Guide profile; 33,75 X 39 X 745            | 65004668   | 2   | GS 640 |
| 3     | Guide profile; 33,75 X 39 X 915            | 65004448   | 2   | GS 650 |
| 4     | Hexagonal nut; M6 SELBSTSICHERND           | 21 05 304  | 30  |        |
| 5     | Mounting rail cpl.                         | 65003970   |     |        |
| 6     | Snap fastener buffer; D13 X 8,5 HOCH       | 40 06 015  | 2   |        |
| 7     | Adjusting knob; M8 LH; SW12 X 53           | 65001617   | 2   |        |
| 8     | Door connecting rod; D8 X 375              | 65004216   | 2   | GS 640 |
| 8     | Door connecting rod; D8 X 504              | 65004184   | 2   | GS 650 |
| 9     | Hexagonal nut; M8                          | 21 01 305  |     |        |
| 10    | Adjusting knob; M8 RH; SW12 X 53           | 65001616   | 2   |        |
| 11    | Flap door cpl.                             | 65004037   |     | GS 640 |
| 11    | Flap door cpl.                             | 65003963   |     | GS 650 |
| 11.1  | Magnet; D10 X 10                           | 31 24 191  |     |        |
| 12    | Bearing bolt; SW15 X 26                    | 65001537   | 2   |        |
| 13    | Sheet metal screw; ST 2,9 X 13             | 20 20 302  |     |        |

G: /650



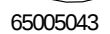
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## GS 640 / GS 650

### Electrical parts

| Item. | Designation                                      | Parts no.: | Pc. | Notes                  |
|-------|--------------------------------------------------|------------|-----|------------------------|
| 1     | "Operating Panel" plate; 0,175 X 50 X 180        | 31 24 223  |     |                        |
| 2     | Operating panel; 25 X 55 X 210                   | 31 24 222  |     |                        |
| 3     | Nut with soft push; M3, SW7, MAX. 160 NM         | 31 13 116  | 10  |                        |
| 4     | Hexagonal nut; M4 SELBSTSICHERND                 | 21 05 300  |     |                        |
| 5     | Washer; D4,3 X D12 X 1,0                         | 22 05 300  |     |                        |
| 6     | Elbow; 1,0 X 32 X 44,82                          | 65004957   |     |                        |
| 7     | Magnetic switch; 32 X 14,9 X 6,9                 | 31 24 224  |     |                        |
| 8     | Cheese-head screw; M4 X 12                       | 20 09 312  |     |                        |
| 9     | Hexagonal nut; M5 SELBSTSICHERND                 | 21 05 302  |     |                        |
| 10    | Tank thermal sensor with cable; KABELLÄNGE 450MM | 31 25 043  |     |                        |
| 11    | Pressure transmitter; 0-30MBAR;5VDC/0,5-3,5V     | 31 26 044  |     |                        |
| 12    | Nylon clip; 200 X 4,7                            | 31 20 015  |     |                        |
| 13    | Hose; DN5 X 1,5                                  | 40 01 024  |     | 265 mm; Metre item     |
| 14    | Air chamber cpl.                                 | 55 04 024  |     | incl. item 14.1 – 14.2 |
| 14.1  | O-ring; 24 X 3                                   | 27 07 026  |     |                        |
| 14.2  | Nylon clip; 200 X 4,7                            | 31 20 015  |     |                        |
| 15    | Transformer; 230V/1/50HZ                         | 31 15 020  |     |                        |
| 16    | Snap-on rail; 7,5 X 35 X 230                     | 65004603   |     |                        |
| 17    | Twin terminal, green/yellow                      | 31 09 224  |     |                        |
| 18    | Twin terminal, grey                              | 31 09 222  | 4   |                        |
| 19    | Twin terminal, blue                              | 31 09 223  |     |                        |
| 20    | Contacteur A16:3S:1Ö; 230V/50-60HZ; 7,5KW        | 31 04 162  | 4   |                        |
| 20    | Contacteur A16:3S:1Ö; 200V/50-60HZ; 7,5KW        | 31 04 163  | 4   | Japan                  |
| 21    | RC module; 250V                                  | 31 13 166  | 4   |                        |
| 22    | Double terminal, green-yellow                    | 31 09 153  |     |                        |
| 23    | Hexagonal nut; M4 SELBSTSICHERND                 | 21 05 300  |     |                        |
| 23    | Universal fuse terminal                          | 31 09 063  | 2   | incl. item 23.1        |
| 23.1  | Fuse plug                                        | 31 09 072  |     |                        |
| 24    | Double terminal, gray                            | 31 09 151  |     |                        |
| 25    | Double terminal, blue                            | 31 09 152  |     |                        |
| 26    | Miniature fuse; 250V; 6,3A                       | 31 11 043  | 2   |                        |
| 27    | Assembly plate cpl.                              | 65004919   |     |                        |
| 28    | Snap-on rail; 7,5 X 35 X 160                     | 65004929   |     |                        |
| 29    | Programme control WPS MAX; 180-265V; 50/60HZ     | 31 05 140  |     |                        |
| 30    | Spacer; 18,70MM LANG                             | 31 13 115  | 6   |                        |
| o.P.  | WPS dismantling tool                             | 31 20 170  |     |                        |
| 31    | Anti-interference capacitor; 0,1 + 2 X 10000PF   | 31 13 077  |     |                        |
| o.P.  | Bus cable; 5 X 0,34QMM                           | 65005019   |     |                        |
| o.P.  | Pressure transmitter cable                       | 65005010   |     |                        |
| o.P.  | Control unit wire set; 0,75QMM                   | 65005016   |     |                        |

Diagram 2 shows the rear view of the refrigerator, illustrating the internal wiring and plumbing connections. The water line is connected to the rear of the unit, and the ice maker line is connected to the front. The diagram shows the routing of these lines through the back panel and the connection to the respective components.



## GS 640 / GS 650

### Cold water pre-rinse (optional)

| Item.       | Designation                                           | Parts no.:       | Pc.      | Notes                      |
|-------------|-------------------------------------------------------|------------------|----------|----------------------------|
| <b>1</b>    | Water inlet set cpl., 3-part                          | <b>55 31 007</b> |          | incl. item 1.1 - 1.2       |
| <b>1.1</b>  | Gasket; D20,5 X D28,5 X 2,0                           | <b>27 01 002</b> |          |                            |
| <b>1.2</b>  | Hose clamp; D14-24 X 9                                | <b>28 02 108</b> |          |                            |
| <b>2</b>    | Hose bend; DN13 X 4,0                                 | <b>40 03 053</b> |          |                            |
| <b>3</b>    | Hose clamp; D14-24 X 9                                | <b>28 02 108</b> |          |                            |
| <b>5</b>    | Reverse suction preventer, top; PN6 BEI 60 GRAD C     | <b>35 01 193</b> |          |                            |
| <b>6</b>    | Reinforced hose; DN13 X 3,5                           | <b>40 02 002</b> |          | 55 mm; Metre item          |
| <b>7</b>    | Union nut; G 3/4" X D20,5; SW30                       | <b>29 07 203</b> |          |                            |
| <b>8</b>    | Hose nipple; D14,5                                    | <b>29 06 222</b> |          |                            |
| <b>9</b>    | Gasket; D14 X D23,5 X 2,0                             | <b>27 01 028</b> |          |                            |
| <b>10</b>   | Reverse suction preventer; DW 20                      | <b>29 01 512</b> |          |                            |
| <b>11</b>   | Double nipple; G 3/4" X 26; SW27                      | <b>30 11 207</b> |          |                            |
| <b>12</b>   | Reinforced hose; DN13 X 3,5                           | <b>40 02 002</b> |          | 55 mm; Metre item GS 640   |
| <b>12</b>   | Reinforced hose; DN13 X 3,5                           | <b>40 02 002</b> |          | 225 mm; Metre item GS 650  |
| <b>13</b>   | T-hose socket; D13                                    | <b>29 06 508</b> |          |                            |
| <b>14</b>   | Reinforced hose; DN13 X 3,5                           | <b>40 02 002</b> |          | 310 mm; Metre item         |
| <b>15</b>   | Reinforced hose; DN13 X 3,5                           | <b>40 02 002</b> |          | 650 mm; Metre item         |
| <b>16</b>   | Hose elbow 90°; DN12,5X4,0;45X880                     | <b>62001434</b>  |          | adapt                      |
| <b>17</b>   | Reverse suction preventer, top; PN6 BEI 60 GRAD C     | <b>35 01 193</b> | <b>2</b> |                            |
| <b>18</b>   | Reinforced hose; DN13 X 3,5                           | <b>40 02 002</b> |          | 45 mm; Metre item          |
| <b>19</b>   | T-piece; D25 X D14,5 X 14,5                           | <b>62001329</b>  |          |                            |
| <b>20</b>   | Reinforced hose; DN13 X 3,5                           | <b>40 02 002</b> |          | 810 mm; Metre item         |
| <b>21</b>   | Hose clamp; D24-44 X 12                               | <b>28 02 309</b> |          |                            |
| <b>22</b>   | Hose bend; DN25 X 4,0                                 | <b>65004182</b>  |          |                            |
| <b>22</b>   | Reinforced hose; DN25,4 X 4,4                         | <b>40 01 023</b> |          | with AquaMatik             |
| <b>23</b>   | Reinforced hose; DN13 X 3,5                           | <b>40 02 002</b> |          | 2030 mm; Metre item GS 640 |
| <b>23</b>   | Reinforced hose; DN13 X 3,5                           | <b>40 02 002</b> |          | 2200 mm; Metre item GS 650 |
| <b>24</b>   | Solenoid valve without flow control; 220-240V/50-60HZ | <b>31 06 187</b> |          |                            |
| <b>24</b>   | Solenoid valve without flow control; 180-220V/50-60HZ | <b>31 06 199</b> |          |                            |
| <b>25</b>   | Washer; D4,3 X D12 X 1,0                              | <b>22 05 300</b> |          |                            |
| <b>26</b>   | Pan head screw; M4 X 8                                | <b>20 10 210</b> |          |                            |
| <b>27</b>   | Solenoid valve filter                                 | <b>31 06 186</b> |          |                            |
| <b>28</b>   | Hose WRC tested + gaskets; DN13 X 3,5; 1500           | <b>40 02 019</b> |          | incl. item 28.1            |
| <b>28.1</b> | Gasket; D16 X D24 X 3,0                               | <b>80002241</b>  | <b>2</b> |                            |
| <b>29</b>   | Dirt catcher cpl.                                     | <b>80002153</b>  |          | incl. item 29.1 - 29.3     |
| <b>29.1</b> | Double nipple; G 3/4" X 40; SW30                      | <b>80002167</b>  |          |                            |
| <b>29.2</b> | Gasket; D16 X D24 X 3,0                               | <b>80002241</b>  | <b>2</b> |                            |
| <b>29.3</b> | Filter; D23 X 0,11 X 67                               | <b>80002728</b>  |          |                            |