

# Service manual GS 86 M 230V 50/60Hz

**Version: 2.01**

**Ident:**

**Series:**

**Part-Number: X0630**

**This part can be ordered.**



## Chapter

Classic-control Prover 86 M 230V 50/60Hz - V:  
door Prover 86 M 230V 50/60Hz - V:  
frame Prover 86 M 230V 50/60Hz - V:  
tray runners Prover 86 M 230V 50/60Hz - V:  
water-energy-unit Prover 86 M 230V 50/60Hz - V:

# Service manual

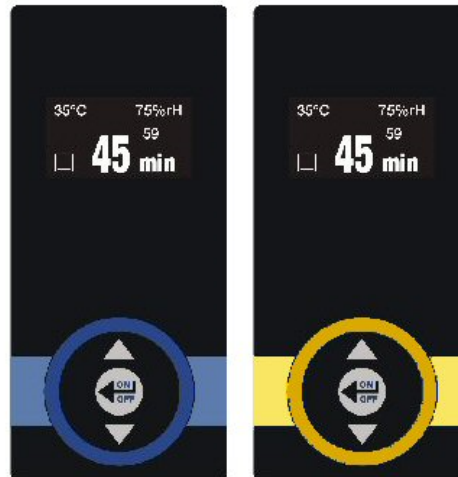
## Classic-control Prover 86 M 230V 50/60Hz

**Version:**

**Ident:**

**Series:**

**Part-Number:**



### Chapter

105669 - dual probe 4 wire

9030-320-023 - operating unit prover

9030-350-006 - operating unit IS 100 nostalgia; Attention replaced by 9030-320-023

9030-350-007 - operating unit S 100; Attention replaced by 9030-320-023

## **Part: dual probe 4 wire**

**Part-Number: 105669**

The combi sensor measures the moisture and proofer chamber temperature. When installing make sure the slits are always facing down so that moisture will not settle on the measuring points giving off wrong readings.



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## **Part: operating unit prover**

**Part-Number: 9030-320-023**

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**Part: operating unit IS 100 nostalgia; Attention replaced by 9030-320-023**

**Part-Number: 9030-350-006**

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**Part: operating unit S 100; Attentio replaced by 9030-320-023**

**Part-Number: 9030-350-007**

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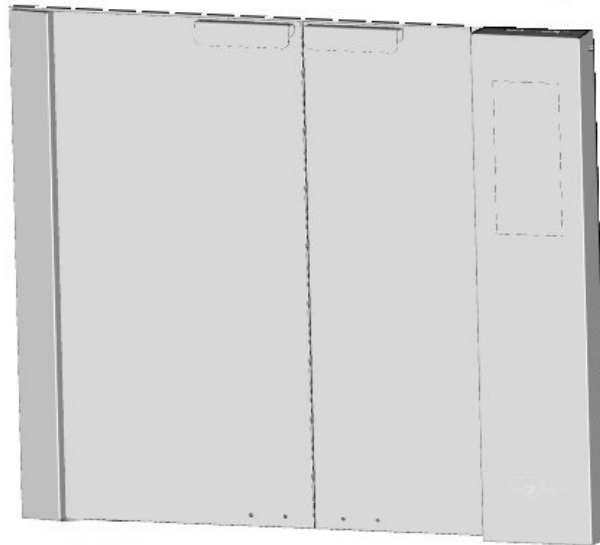
# Service manual door Prover 86 M 230V 50/60Hz

**Version:**

**Ident:**

**Series:**

**Part-Number:**



## Chapter

Door left - V:  
Door right - V:

# Service manual

## Door left

**Version:**

**Ident:**

**Series:**

**Part-Number:**

### Chapter

X0630-450-002 - door left assembly group mounted Prover 86 M 230V 50/60Hz - V:

EX0630-450-040 - Door left GS 86 M - V:

EX0630-450-041 - Door left nostalgia - V:

# **Servicemanual**

## **door left assembly group mounted Prover 86 M 230V 50/60Hz**

**Version:**

**Ident:**

**Series:**

**Part-Number: X0630-450-002**

### **Chapter**

102989 - silicone ribbon\_20x1\_60Shore\_trans  
36438 - MLF screw ISO 7380 M5x12  
40317 - MFL Screw  
42034 - nut  
42485 - blind rivet  
9000-120-009 - screw M4x10  
9000-129-002 - screw M5 x 16  
9010-450-007 - friction bearing GFM-1012-06  
9040-110-002 - spring lock  
X0630-450-012 - ESG glass pane left glued  
X0630-450-018 - hinge left  
X0700-400-030 - distance piece  
X0730-450-014 - glass holder 1  
X0730-450-015 - glass holder 2  
X1702-460-011 - distance bush

**Part: silicone ribbon\_20x1\_60Shore\_trans**

Part-Number: 102989



**Part: MLF screw ISO 7380 M5x12**

Part-Number: 36438



**Part: MFL Screw**

Part-Number: 40317



**Part: nut**

Part-Number: 42034



**Part: blind rivet**

Part-Number: 42485



**Part: screw M4x10**

Part-Number: 9000-120-009

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**Part: screw M5 x 16**

Part-Number: 9000-129-002

---

**Part: friction bearing GFM-1012-06**

Part-Number: 9010-450-007

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**Part: spring lock**

Part-Number: 9040-110-002

---

**Part: ESG glass pane left glued**

Part-Number: X0630-450-012

---

**Part: hinge left**

Part-Number: X0630-450-018

---

**Part: distance piece**

Part-Number: X0700-400-030

---

**Part: glass holder 1**

Part-Number: X0730-450-014

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**Part: glass holder 2**

Part-Number: X0730-450-015

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**Part: distance bush**

**Part-Number: X1702-460-011**

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# **Service manual**

## **Door left GS 86 M**

**Version:**

**Ident:**

**Series:**

**Part-Number: EX0630-450-040**

# **Service manual**

## **Door left nostalgia**

**Version:**

**Ident:**

**Series:**

**Part-Number: EX0630-450-041**

# Service manual

## Door right

**Version:**

**Ident:**

**Series:**

**Part-Number:**

### Chapter

X0630-450-004 - door right assembly group mounted Prover 86 M 230V 50/60Hz - V:

EX0630-450-044 - Door right GS 86 M - V:

EX0630-450-045 - Door right nostalgia - V:

# **Servicemanual**

## **door right assembly group mounted Prover 86 M 230V 50/60Hz**

**Version:**

**Ident:**

**Series:**

**Part-Number: X0630-450-004**

### **Chapter**

102989 - silicone ribbon\_20x1\_60Shore\_trans  
36438 - MLF screw ISO 7380 M5x12  
40317 - MFL Screw  
42034 - nut  
42485 - blind rivet  
9000-120-009 - screw M4x10  
9000-129-002 - screw M5 x 16  
9010-450-007 - friction bearing GFM-1012-06  
9040-110-002 - spring lock  
X0630-450-004 - Door right assembly group mounted GS86 M  
X0630-450-013 - ESG glass pane right glued  
X0630-450-018 - hinge left  
X0700-400-030 - distance piece  
X0730-450-014 - glass holder 1  
X0730-450-015 - glass holder 2  
X1702-460-011 - distance bush

**Part: silicone ribbon\_20x1\_60Shore\_trans**

Part-Number: 102989



**Part: MLF screw ISO 7380 M5x12**

Part-Number: 36438



**Part: MFL Screw**

Part-Number: 40317



**Part: nut**

Part-Number: 42034



**Part: blind rivet**

Part-Number: 42485



**Part: screw M4x10**

Part-Number: 9000-120-009

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**Part: screw M5 x 16**

Part-Number: 9000-129-002

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**Part: friction bearing GFM-1012-06**

Part-Number: 9010-450-007

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**Part: spring lock**

Part-Number: 9040-110-002

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**Part: Door right assembly group mounted GS86 M**

Part-Number: X0630-450-004

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**Part: ESG glass pane right glued**

Part-Number: X0630-450-013

---

**Part: hinge left**

Part-Number: X0630-450-018

---

**Part: distance piece**

Part-Number: X0700-400-030

---

**Part: glass holder 1**

Part-Number: X0730-450-014

---

**Part: glass holder 2**

Part-Number: X0730-450-015

---

**Part: distance bush**

Part-Number: X1702-460-011

---



# **Service manual**

## **Door right GS 86 M**

**Version:**

**Ident:**

**Series:**

**Part-Number: EX0630-450-044**

# **Service manual**

## **Door right nostalgia**

**Version:**

**Ident:**

**Series:**

**Part-Number: EX0630-450-045**

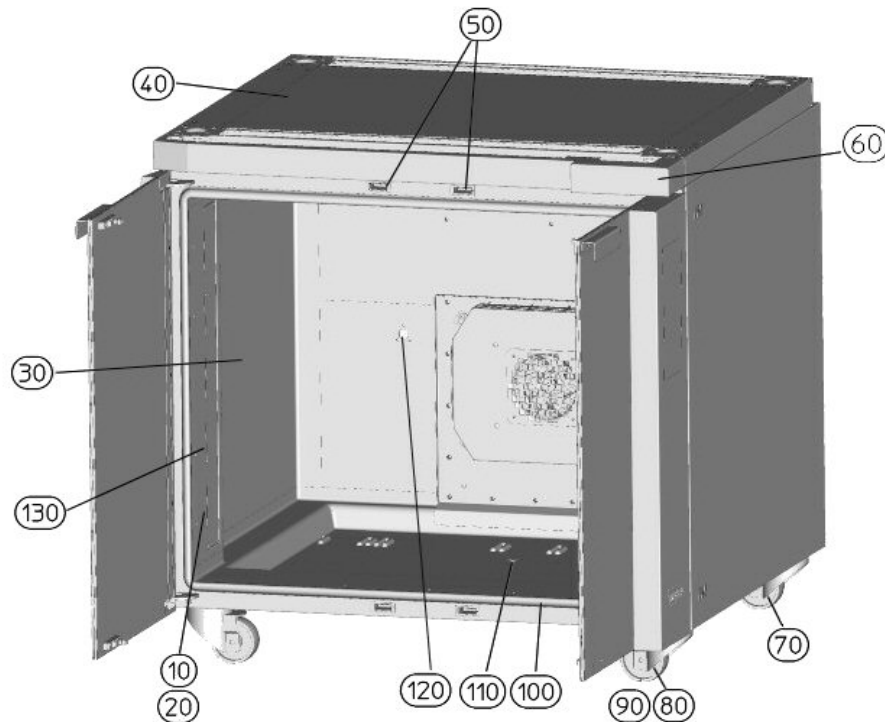
# Service manual frame Prover 86 M 230V 50/60Hz

Version:

Ident:

Series:

Part-Number:



## Chapter

- 104447 - cable set
- 111785 - MFL screw with hexagon socket
- 42733 - Screw Tensilock M6 x 25
- 9000-198-003 - binding screw
- 9000-455-002 - drive fastener
- 9040-516-001 - closing plug
- X0630-450-008 - hinged cover right
- X0630-450-020 - hinged cover left
- X0630-450-028 - hinged cover right nostalgia
- X0630-450-030 - hinged cover left nostalgia
- X0630-500-002 - side panel
- X0630-500-006 - vertical arbor left
- X0630-500-022 - side panel nostalgia
- X0630-500-026 - vertical arbor left nostalgia
- X0730-101-001 - front frame
- X0730-101-011 - front frame nostalgia
- [030] - X0605-500-040 - side panel
- [040] - X0730-500-004 - cap
- [050] - 9040-110-002 - spring lock
- [060] - X0600-101-002 - front panel
- [070] - 103352 - castor with arresting device
- [080] - 103351 - castor
- [090] - 104058 - adjustable foot
- [10/20] - 9030-440-010 - Lamp LED Pin base 1.2W
- [100] - 38605 - door seal
- [110] - 9040-516-005 - plug for water tray
- [120] - 105660 - dual probe 4 wire

[120] - 105009 - dual probe 4 wire

[130] - 0600-001-010 - lighting blade

[130] - 0600-001-025 - illumination sheet-metal; Attention replaced by 0600-001-010

## **Part: cable set**

Part-Number: 104447

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## **Part: MFL screw with hexagon socket**

Part-Number: 111785

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## **Part: Screw Tensilock M6 x 25**

Part-Number: 42733



## **Part: binding screw**

Part-Number: 9000-198-003

---

## **Part: drive fastener**

Part-Number: 9000-455-002

---

## **Part: closing plug**

Part-Number: 9040-516-001

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## **Part: hinged cover right**

Part-Number: X0630-450-008

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## **Part: hinged cover left**

Part-Number: X0630-450-020

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**Part: hinged cover right nostalgia**

Part-Number: X0630-450-028

---

**Part: hinged cover left nostalgia**

Part-Number: X0630-450-030

---

**Part: side panel**

Part-Number: X0630-500-002

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**Part: vertical arbor left**

Part-Number: X0630-500-006

---

**Part: side panel nostalgia**

Part-Number: X0630-500-022

---

**Part: vertical arbor left nostalgia**

Part-Number: X0630-500-026

---

**Part: front frame**

Part-Number: X0730-101-001

---

**Part: front frame nostalgia**

Part-Number: X0730-101-011

---

**Part: side panel**

Part-Number: X0605-500-040

---

## Part: cap

Part-Number: X0730-500-004

---

## Part: spring lock

Part-Number: 9040-110-002

---

## Part: front panel

Part-Number: X0600-101-002

---

## Part: castor with arresting device

Part-Number: 103352



## Part: castor

Part-Number: 103351



## Part: adjustable foot

Part-Number: 104058



---

## Part: Lamp LED Pin base 1.2W

Part-Number: 9030-440-010



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## Part: door seal

Part-Number: 38605

The door seal is glued with transparent heat resistant silicone (order number 60375) around the radii on the corners and long distances in between. Should the door seal be exchanged then all the silicone must be removed by using a knife. Clean the door tracks and any silicone particles. Make sure when placing the new seal that it is completely in the frame. The seal needs to be pressed around the connecting piece on the top and bottom and in front of the oven with a broach so that it can "breathe". The door seal is a spare part and can be ordered under the number 38605.



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## Part: plug for water tray

Part-Number: 9040-516-005



## Part: dual probe 4 wire

**Part-Number: 105669**

The combi sensor measures the moisture and proofer chamber temperature. When installing make sure the slits are always facing down so that moisture will not settle on the measuring points giving off wrong readings.



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## Part: lighting blade

**Part-Number: 0600-001-010**



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## Part: illumination sheet-metal; Attention replaced by 0600-001-010

**Part-Number: 0600-001-025**

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# **Servicemanual**

## **tray runners Prover 86 M 230V 50/60Hz**

**Version:**

**Ident:**

**Series:**

**Part-Number:**

### **Chapter**

102552 - tray runner kit GS10-ED - V:

105980 - tray runners GS10-ED complete, wide trays - V:

# **Service manual tray runner kit GS10-ED**

**Version:**

**Ident:**

**Series:**

**Part-Number: 102552**

**This part can be ordered.**

## **Chapter**

103026 - tray runners GS-ED, 5 trays left

103027 - tray runners GS-ED, 5 trays right

## **Part: tray runners GS-ED, 5 trays left**

**Part-Number: 103026**

To remove the racks. lift the bottom of the rack upwards. over the plastic securing brackets and pull out sideways. To insert the racks. hook them into the top plastic fasteners first and then affix them to the bottom plastic fasteners.

---

## **Part: tray runners GS-ED, 5 trays right**

**Part-Number: 103027**

To remove the racks. lift the bottom of the rack upwards. over the plastic securing brackets and pull out sideways. To insert the racks. hook them into the top plastic fasteners first and then affix them to the bottom plastic fasteners.

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# **Servicemanual**

## **tray runners GS10-ED complete, wide trays**

**Version:**

**Ident:**

**Series:**

**Part-Number: 105980**

**This part can be ordered.**

### **Chapter**

405820 - tray runners right with 5 trays, 55mm wide

405821 - tray runners left with 5 trays, 55mm wide

**Part: tray runners right with 5 trays, 55mm wide**

**Part-Number: 405820**

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**Part: tray runners left with 5 trays, 55mm wide**

**Part-Number: 405821**

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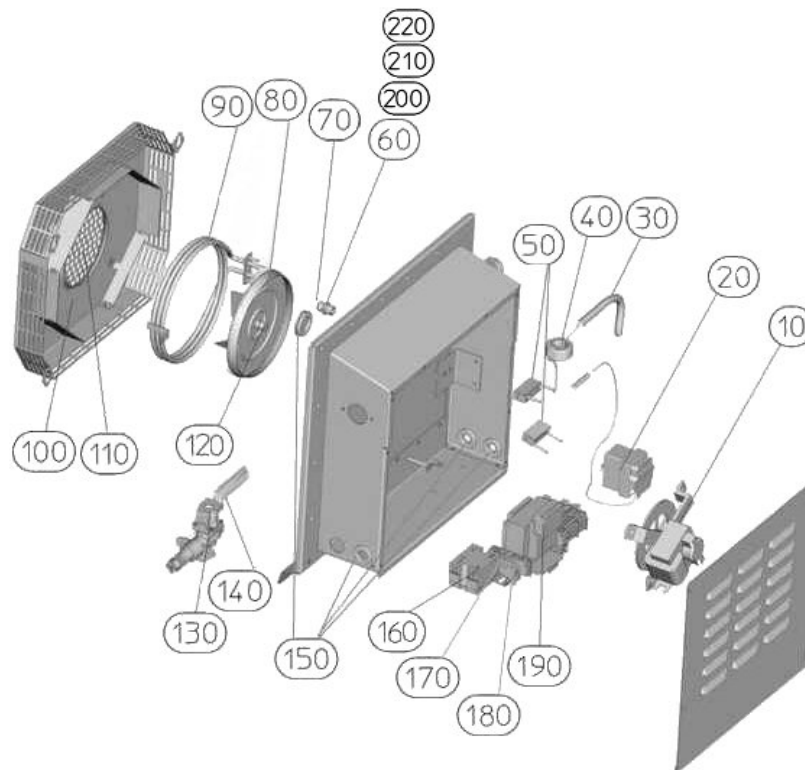
# Service manual water-energy-unit Prover 86 M 230V 50/60Hz

Version:

Ident:

Series:

Part-Number:



## Chapter

- 102697 - feeler holder
- 103330 - nozzle to lead the diaphragm through for safety temperature limiter
- 104476 - hose 3/4"
- 105389 - interior part
- 109904 - end clamp grey
- 109905 - through terminal, blue 2,5m
- 109906 - PE- terminal
- 109910 - closing plate
- 109911 - base clamp
- 111343 - cross bridge iso. red 24 A 4/0
- 111344 - continuation clamp gray 2,5qmm
- 33372 - suppressor element
- 404814 - intermediate plate clamp
- 42008 - nut M4 DIN934
- 42209 - washer D125 4,3
- 42237 - hose clamp 12-22/9A1
- 42292 - flat plug sleeve
- 42330 - washer
- 42392 - screw
- 42464 - knurled left-hand-thread M6
- 42485 - blind rivet
- 9030-415-005 - cable screw connection M16
- X0700-300-001 - water-energy-unit standard

X0700-300-002 - water-energy-unit Prover-ED heated glass  
X0700-300-005 - backwall  
X0700-300-022 - casing  
X0700-300-023 - holder STB  
X0700-300-024 - bottom  
X0700-300-025 - cover  
[010] - 36106 - motor  
[020] - 102696 - safety limit switch  
[030] - 37804 - cable connection 3,0m/3G 1,5/Schuko/230V  
[040] - 36583 - ferrite core R3615X  
[050] - 105726 - condenser  
[060] - 102530 - screwing with spray nozzle  
[070] - 107992 - gasket ring Cu 13x18  
[080] - 102859 - vaporizer  
[090] - 103551 - heating 2000 W  
[100] - 105388 - ventilation cover  
[110] - 105786 - fan grill  
[120] - 103339 - adjusting collar with grub screw  
[130] - 103550 - solenoid valve  
[140] - 33524 - HT - hose silicone D 18xS3 LW12  
[150] - 38525 - nozzle to lead the diaphragm through  
[160] - 34912 - semi-conductor relay 1-pole  
[170] - 34752 - micro-fuse 1A  
[170] - 34753 - micro-fuse 0,5A 5x20  
[180] - 34108 - clamp grey 3L 2.5qmm  
[180] - 34109 - clamp 3L blue 280-684  
[180] - 34110 - clamp 3L 2.5qmm 280-687  
[190] - 100840 - transformer  
[190] - 9030-600-001 - transformer 12V/24V/40V (heated glass)  
[200] - 33350 - brass angle  
[210] - 33355 - Bushing  
[220] - 33358 - hose connection G1/4"



## Part: feeler holder

Part-Number: 102697

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## Part: nozzle to lead the diaphragm through for safety temperature limiter

Part-Number: 103330

To reset the safety temperature limit switch the fan cover which is found in the interior of the proofer must be removed. The knob is protected from spray and steam under a membrane case. By firmly pressing the covered key the safety temperature limit can be re-set. Please note that the STB does not activate without reason!



## Part: hose 3/4"

Part-Number: 104476

Water supply hose 3/4". Inform your customer that the water supply should only be open when the oven is in use. In this manner you can avoid damage.



## Part: interior part

Part-Number: 105389

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## Part: end clamp grey

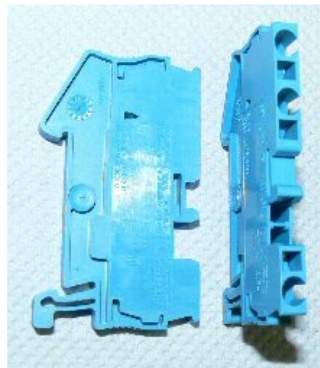
Part-Number: 109904



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## Part: through terminal, blue 2,5m

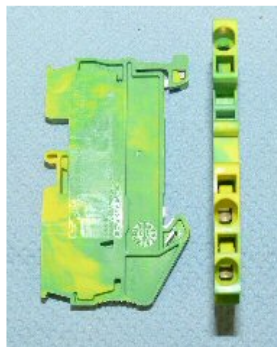
Part-Number: 109905



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## Part: PE- terminal

Part-Number: 109906



## Part: closing plate

Part-Number: 109910

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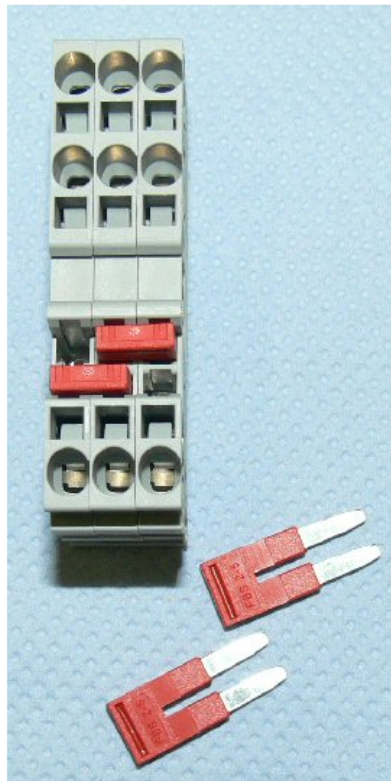
## Part: base clamp

Part-Number: 109911

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## Part: cross bridge iso. red 24 A 4/0

Part-Number: 111343



## Part: continuation clamp gray 2,5qmm

Part-Number: 111344



## Part: suppressor element

Part-Number: 33372

The suppressor element covers the solenoid valve. The prevents EMV disturbances to other components in the net.



## Part: intermediate plate clamp

Part-Number: 404814



## Part: nut M4 DIN934

Part-Number: 42008



## Part: washer D125 4,3

Part-Number: 42209



## Part: hose clamp 12-22/9A1

Part-Number: 42237



**Part: flat plug sleeve**

Part-Number: 42292

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**Part: washer**

Part-Number: 42330



**Part: screw**

Part-Number: 42392



**Part: knurled left-hand-thread M6**

Part-Number: 42464



**Part: blind rivet**

Part-Number: 42485



**Part: cable screw connection M16**

Part-Number: 9030-415-005

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**Part: water-energy-unit standard**

Part-Number: X0700-300-001

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**Part: water-energy-unit Prover-ED heated glass**

Part-Number: X0700-300-002

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**Part: backwall**

Part-Number: X0700-300-005

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**Part: casing**

Part-Number: X0700-300-022

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**Part: holder STB**

Part-Number: X0700-300-023

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**Part: bottom**

Part-Number: X0700-300-024

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**Part: cover**

Part-Number: X0700-300-025

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## Part: motor

**Part-Number: 36106**

For improved baking results the Hanning Motor has two rotating directions and several speeds. In ovens with the IS Control the speed is regulated by the Triac setter. In ovens with a manual control the contactor regulates the speed. The motor is secured with 4 M 6 nuts. The distance sleeves screws that are fixed by locknuts must always have the same height. Tighten the nuts diagonally to avoid tension. The motor has a built in thermo protection (bimetal) that activates at 160° C and automatically resets when cooled down. When the motor protection is activated the motor function is interrupted.

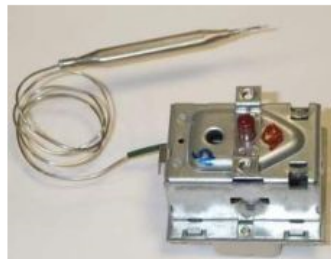


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## Part: safety limit switch

**Part-Number: 102696**

After transportation of the appliance please note that the safety temperature limiter (STB) automatically releases with temperatures under +8°C. To allow the appliance to acclimatize let it stand for 30 minutes at room temperature before re-setting the STB. The STB can be re-set as often as needed. Please note that the STB does not activate without reason ! Insulate the capillary tube (e.g. on the circuit board) on its critical spots with silicone hose Article number 40074.



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## Part: cable connection 3,0m/3G 1,5/Schuko/230V

**Part-Number: 37804**

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**Part: ferrite core R3615X**

Part-Number: 36583



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**Part: condenser**

Part-Number: 105726



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**Part: screwing with spray nozzle**

Part-Number: 102530



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**Part: gasket ring Cu 13x18**

Part-Number: 107992





## Part: vaporizer

**Part-Number: 102859**

Please read the installation instructions for installing the rotation sprayer.



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## Part: heating 2000 W

**Part-Number: 103551**

We recommend when installing the heater the securing screws are non-threading. Please make sure the heater is correctly situated so that the securing attachments fit through the fan wheel to be connected.

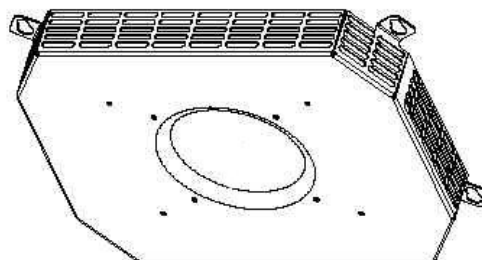


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## Part: ventilation cover

**Part-Number: 105388**

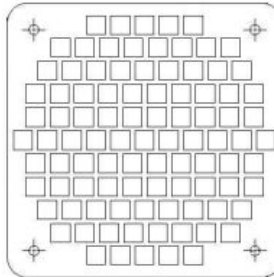
Make sure at the end of working with the proofer that the fan cover and safety guard are correctly fastened otherwise there is a risk of injury.



## Part: fan grill

**Part-Number: 105786**

Make sure at the end of working with the proofer that the fan cover and safety guard are correctly fastened otherwise there is a risk of injury.



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## Part: adjusting collar with grub screw

**Part-Number: 103339**

The middle of the adjusting ring for the rotation sprayer of the motor axel. Please read the installation instructions of the rotation sprayer.



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## Part: solenoid valve

**Part-Number: 103550**

It is necessary to clean the dirt sieve of the solenoid valve regularly. Particles in the water line will stick to the sieve and interrupt the water flow. Please note the maximum water pressure and other warnings from the data sheets regarding the water connection. The solenoid valve is a valve for the steaming filler as well as for the automatic cleaning process Pro Clean. The solenoid valve works with a flow pressure of 150 - 600 kPa. You can test the solenoid valve function in the PC - Tool - Test. Attention the test is a continued test and this function is not protected from overload.



## Part: HT - hose silicone D 18xS3 LW12

Part-Number: 33524



## Part: nozzle to lead the diaphragm through

Part-Number: 38525

To reset the safety temperature limit switch the fan cover which is found in the interior of the proofer must be removed. The knob is protected from spray and steam under a membrane case. By firmly pressing the covered key the safety temperature limit can be re-set. Please note that the STB does not activate without reason!



## Part: semi-conductor relay 1-pole

Part-Number: 34912

The solid state relay controls the heater. Depending on the temperature this will automatically switch it on or off. ( type can vary )



## Part: micro-fuse 1A

Part-Number: 34752



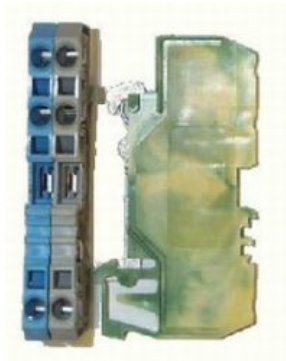
**Part: micro-fuse 0,5A 5x20**

**Part-Number: 34753**



**Part: clamp grey 3L 2.5qmm**

**Part-Number: 34108**



**Part: clamp 3L blue 280-684**

**Part-Number: 34109**



**Part: clamp 3L 2.5qmm 280-687**

**Part-Number: 34110**



## Part: transformer

**Part-Number: 100840**

The lighting transformer provides power to the baking chamber. The interior lighting is (2x12V/20W) Please note the wiring when removing/inserting. The wire should not come in contact with the circuit board. This may cause sporadic interference with the electronics.



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## Part: transformer 12V/24V/40V (heated glass)

**Part-Number: 9030-600-001**



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## Part: brass angle

**Part-Number: 33350**



## Part: Bushing

Part-Number: 33355



## Part: hose connection G1/4"

Part-Number: 33358



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