

# Service manual

## Deck oven Ebo 68 M (large baking chamber 660/460) 400V 50Hz

Version: 2.00

Ident:

Series:

Part-Number: X1620



### Chapter

baking chamber Ebo 68 M 400V 50Hz - V:  
control Ebo 68 M 400V 50Hz - V:  
door Ebo 68 M 400V 50Hz - V:  
electric-installation Ebo 68 M 400V 50Hz - V:  
frame Ebo 68 M 400V 50Hz - V:  
installation-room Ebo 68 M 400V 50Hz - V:  
piping Ebo 68 M 400V 50Hz - V:

# Service manual baking chamber Ebo 68 M 400V 50Hz

**Version:**

**Ident:**

**Series:**

**Part-Number:**



## Chapter

- 101731 - halogen lamp 12V 10W
- 33891 - halogen socket
- 402885 - heater 750W / 230V
- 404699 - safety temperature limiter (UL) 360°C
- 70508 - Ebo frame for lamps-lower part
- 70509 - Ebo protective glass f. lamps-lower part
- 70510 - seal for bottom part of the lamp
- 9030-140-006 - thermo sensor
- X1600-012-016 - door seal M
- X1700-012-012 - connecting plate ahead
- X1700-300-026 - heater gasket
- X1700-300-030 - pipe heater 325 W
- X1700-300-031 - heater 435 W
- X1700-300-032 - heater 545 W
- X1720-012-008 - connecting plate right/left 68
- X1720-012-030 - stone backing plate XEbo 68

## Part: halogen lamp 12V 10W

**Part-Number: 101731**

When changing the halogen lamps please make sure that the lamps do not come in contact with hand sweat. Hand sweat will burn into the glass bulb and reduces the life of the halogen lamp. Please use the appropriate gloves.



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## Part: halogen socket

**Part-Number: 33891**

Check the porcelain lamp holders and cables for damage. Please do not squeeze or kink the cable.



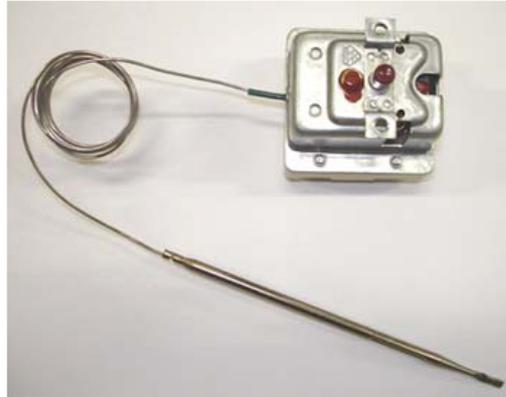
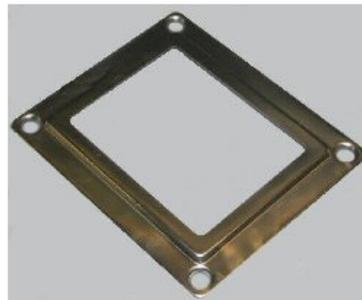
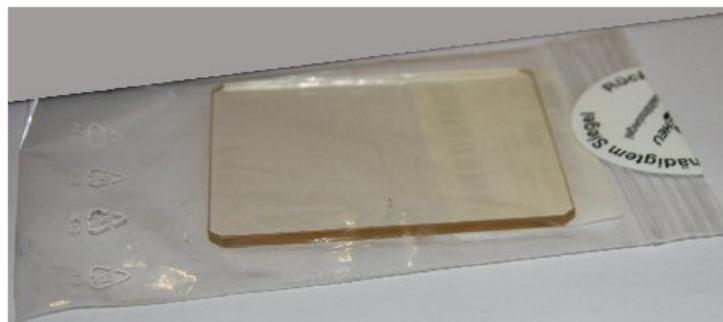
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## Part: heater 750W / 230V

**Part-Number: 402885**

When replacing the pipe heater always to seal the heating pipe to be replaced.



**Part: safety temperature limiter (UL) 360°C****Part-Number: 404699****Part: Ebo frame for lamps-lower part****Part-Number: 70508****Part: Ebo protective glass f. lamps-lower part****Part-Number: 70509**

**Part: seal for bottom part of the lamp****Part-Number: 70510****Part: thermo sensor****Part-Number: 9030-140-006****Part: door seal M****Part-Number: X1600-012-016****Part: connecting plate ahead****Part-Number: X1700-012-012****Part: heater gasket****Part-Number: X1700-300-026**

## Part: pipe heater 325 W

Part-Number: X1700-300-030

When replacing the pipe heater always to seal the heating pipe to be replaced.



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## Part: heater 435 W

Part-Number: X1700-300-031

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## Part: heater 545 W

Part-Number: X1700-300-032

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## Part: connecting plate right/left 68

Part-Number: X1720-012-008

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## Part: stone backing plate XEbo 68

Part-Number: X1720-012-030

When cleaning the stone plate do not use abrasive cleaner. Use only clear water and soft cloths.

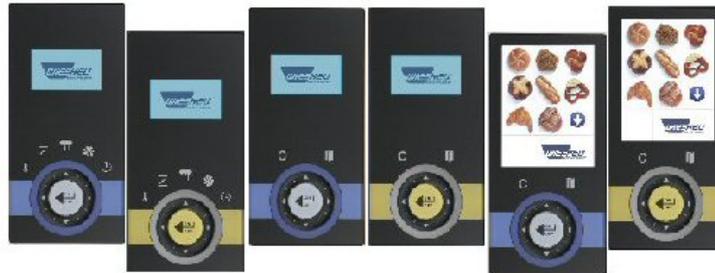
# Service manual control Ebo 68 M 400V 50Hz

**Version:**

**Ident:**

**Series:**

**Part-Number:**



## Chapter

Classic control Ebo 68 M 400V 50Hz - V:

Comfort control Ebo 68 M 400V 50Hz - V:

Exclusive control Ebo 68 M 400V 50Hz - V:

# Service manual

## Classic control Ebo 68 M 400V 50Hz

**Version:**

**Ident:**

**Series:**

**Part-Number:**



### Chapter

- 33884 - relay main switch
- 402662 - axial blower 19W heat resistance until 75°C
- 9030-320-006 - glass operating unit Classic Dibas/Ebo
- 9030-320-011 - glass operating unit Classic nostalgia
- 9030-330-001 - motherboard universal
- 9030-330-003 - terminal board active

## Part: relay main switch

**Part-Number: 33884**

The contactor switches the heater on/off.



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## Part: axial blower 19W heat resistance until 75°C

**Part-Number: 402662**

Axial fan to cool the electronic components. Heat resistant up to 75°C, marked with the letter "Z". The service uses as after-market equipment the axial fan, item no. 402661, heat resistant up to 85°C marked with the letter "N".



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## Part: glass operating unit Classic Dibas/Ebo

**Part-Number: 9030-320-006**



## Part: glass operating unit Classic nostalgia

Part-Number: 9030-320-011



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## Part: motherboard universal

Part-Number: 9030-330-001



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## Part: terminal board active

Part-Number: 9030-330-003



# Service manual

## Comfort control Ebo 68 M 400V 50Hz

**Version:**

**Ident:**

**Series:**

**Part-Number:**



### Chapter

- 33884 - relay main switch
- 402662 - axial blower 19W heat resistance until 75°C
- 9030-320-005 - glass operating unit Comfort Dibas/Ebo
- 9030-320-012 - glass operating unit Comfort nostalgia
- 9030-330-001 - motherboard universal
- 9030-330-003 - terminal board active

## Part: relay main switch

**Part-Number: 33884**

The contactor switches the heater on/off.



---

## Part: axial blower 19W heat resistance until 75°C

**Part-Number: 402662**

Axial fan to cool the electronic components. Heat resistant up to 75°C, marked with the letter "Z". The service uses as after-market equipment the axial fan, item no. 402661, heat resistant up to 85°C marked with the letter "N".



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## Part: glass operating unit Comfort Dibas/Ebo

**Part-Number: 9030-320-005**



## Part: glass operating unit Comfort nostalgia

Part-Number: 9030-320-012



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## Part: motherboard universal

Part-Number: 9030-330-001



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## Part: terminal board active

Part-Number: 9030-330-003



# Service manual

## Exclusive control Ebo 68 M 400V 50Hz

**Version:**

**Ident:**

**Series:**

**Part-Number:**



### Chapter

- 33884 - relay main switch
- 402662 - axial blower 19W heat resistance until 75°C
- 9030-320-004 - glass operating unit Exclusive Dibas/Ebo
- 9030-320-013 - glass operating unit Exclusive nostalgia
- 9030-330-001 - motherboard universal
- 9030-330-003 - terminal board active

## Part: relay main switch

**Part-Number: 33884**

The contactor switches the heater on/off.



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## Part: axial blower 19W heat resistance until 75°C

**Part-Number: 402662**

Axial fan to cool the electronic components. Heat resistant up to 75°C, marked with the letter "Z". The service uses as after-market equipment the axial fan, item no. 402661, heat resistant up to 85°C marked with the letter "N".



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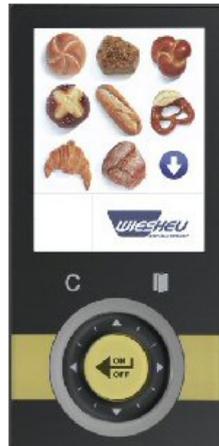
## Part: glass operating unit Exclusive Dibas/Ebo

**Part-Number: 9030-320-004**



## Part: glass operating unit Exclusive nostalgia

Part-Number: 9030-320-013



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## Part: motherboard universal

Part-Number: 9030-330-001



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## Part: terminal board active

Part-Number: 9030-330-003



# Service manual door Ebo 68 M 400V 50Hz

**Version:**

**Ident:**

**Series:**

**Part-Number:**

## Chapter

102615 - screw nut  
104972 - screw  
109892 - washer DIN9021  
39101 - sliding bush  
400765 - tension spring  
402793 - collar bush DIN1850  
9000-132-005 - screw DIN923 M6x4  
9010-445-003 - bush without collar D=8x10x5  
X1600-456-003 - shaft welded  
X1600-456-024 - glass pane Ebo 64 M bonded  
X1700-456-010 - deflection lever  
X1700-456-011 - handle  
X1700-456-015 - door handle  
X1700-456-021 - handle with thread M8  
X1700-456-022 - handle with bore

**Part: screw nut**

Part-Number: 102615

**Part: screw**

Part-Number: 104972

**Part: washer DIN9021**

Part-Number: 109892

**Part: sliding bush**

Part-Number: 39101

**Part: tension spring**

Part-Number: 400765



**Part: collar bush DIN1850****Part-Number: 402793****Part: screw DIN923 M6x4****Part-Number: 9000-132-005****Part: bush without collar D=8x10x5****Part-Number: 9010-445-003****Part: shaft welded****Part-Number: X1600-456-003****Part: glass pane Ebo 64 M bonded****Part-Number: X1600-456-024**

The glass pane is fixed by two knurled head screws. For cleaning dismount the pane and use only clear water and mild detergent. When installing the pane, make sure that the silicon holder for the glass is connected directly and the washer is between the knurled screw and this holder.



**Part: deflection lever****Part-Number: X1700-456-010****Part: handle****Part-Number: X1700-456-011****Part: door handle****Part-Number: X1700-456-015****Part: handle with thread M8****Part-Number: X1700-456-021**

**Part: handle with bore**

**Part-Number: X1700-456-022**

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# **Service manual electric-installation Ebo 68 M 400V 50Hz**

**Version:**

**Ident:**

**Series:**

**Part-Number:**

## **Chapter**

33884 - relay main switch

70508 - Ebo frame for lamps-lower part

70509 - Ebo protective glass f. lamps-lower part

## Part: relay main switch

**Part-Number: 33884**

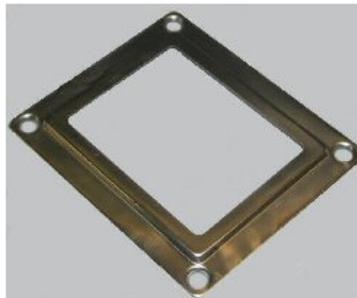
The contactor switches the heater on/off.



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## Part: Ebo frame for lamps-lower part

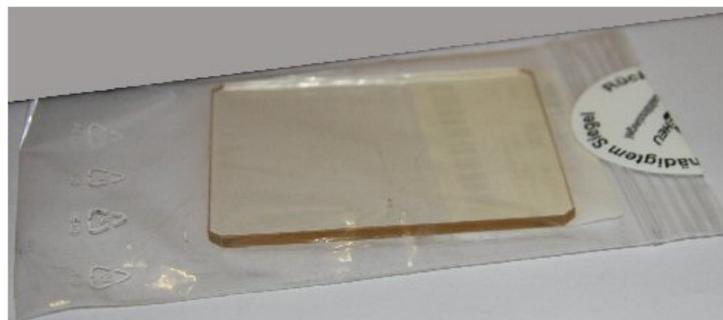
**Part-Number: 70508**



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## Part: Ebo protective glass f. lamps-lower part

**Part-Number: 70509**



# **Service manual frame Ebo 68 M 400V 50Hz**

**Version:**

**Ident:**

**Series:**

**Part-Number:**

## **Chapter**

402662 - axial blower 19W heat resistance until 75°C

## Part: axial blower 19W heat resistance until 75°C

**Part-Number: 402662**

Axial fan to cool the electronic components. Heat resistant up to 75°C, marked with the letter "Z". The service uses as after-market equipment the axial fan, item no. 402661, heat resistant up to 85°C marked with the letter "N".



# **Servicemanual installation-room Ebo 68 M 400V 50Hz**

**Version:**

**Ident:**

**Series:**

**Part-Number:**

## **Chapter**

402869 - steam generator Ebo 68 M 400V 50Hz - V:

111324 - solenoid valve with straight 1 / 4 "thread

33358 - hose connection G1/4"

33524 - HT - hose silicone D 18xS3 LW12

33780 - T-fitting

400534 - flow controller D=2,0

403754 - solenoid valve (flow restrictor) Attention replaced by 111324

42237 - hose clamp 12-22/9A1

9010-110-008 - pressure spring VD-090Y

9020-700-002 - servo drive, Attention replaced by 9020-700-004

9020-700-004 - actuators EBO

9060-115-001 - extansion -inside

9060-510-001 - flow meter

X1700-251-024 - exhaust air gasket

## Part: solenoid valve with straight 1 / 4 "thread

**Part-Number: 111324**

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 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.

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## Part: hose connection G1/4"

**Part-Number: 33358**



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

**Part-Number: 33524**



## Part: T-fitting

**Part-Number: 33780**



## Part: flow controller D=2,0

**Part-Number: 400534**



**Part: solenoid valve (flow restrictor) Attention replaced by 111324****Part-Number: 403754**

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 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: hose clamp 12-22/9A1****Part-Number: 42237****Part: pressure spring VD-090Y****Part-Number: 9010-110-008****Part: servo drive, Attention replaced by 9020-700-004****Part-Number: 9020-700-002****Part: actuators EBO****Part-Number: 9020-700-004****Part: extension -inside****Part-Number: 9060-115-001**

**Part: flow meter****Part-Number: 9060-510-001**

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**Part: exhaust air gasket****Part-Number: X1700-251-024**

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# Service manual steam generator Ebo 68 M 400V 50Hz

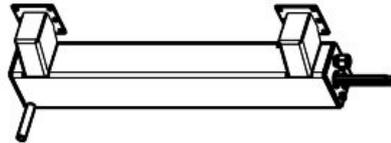
**Version:**

**Ident:**

**Series:**

**Part-Number: 402869**

**This part can be ordered.**

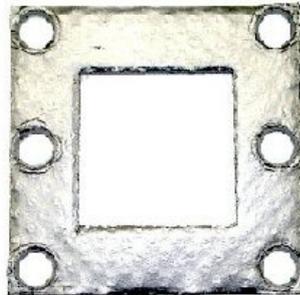


## Chapter

03617 - seal for steam generator  
105680 - pipe heater 1000W / 230V  
402885 - heater 750W / 230V  
402914 - steam pipe connection EBO 64/68 (from 2007 - up to date)  
403116 - cutting ring D12  
EX1520-236-000 - steam generator standard 68 S+M  
X1500-235-021 - steaming pipe XEbo S+M,L lower boiler  
X1600-007-008 - Isolation second layer  
X1720-235-001 - steam generator XEbo 68  
[000] - 402869 - steam generator EBO 68

## Part: seal for steam generator

Part-Number: 03617



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## Part: pipe heater 1000W / 230V

Part-Number: 105680

When replacing the pipe heater always to seal the heating pipe to be replaced.



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## Part: heater 750W / 230V

Part-Number: 402885

When replacing the pipe heater always to seal the heating pipe to be replaced.



**Part: steam pipe connection EBO 64/68 (from 2007 - up to date)****Part-Number: 402914**

The steam pipe initiates the water in the steam generator.

**Part: cutting ring D12****Part-Number: 403116****Part: steam generator standard 68 S+M****Part-Number: EX1520-236-000****Part: steaming pipe XEbo S+M,L lower boiler****Part-Number: X1500-235-021**

The steam pipe initiates the water in the steam generator.

**Part: Isolation second layer****Part-Number: X1600-007-008****Part: steam generator XEbo 68****Part-Number: X1720-235-001****Part: steam generator EBO 68****Part-Number: 402869**

# Service manual piping Ebo 68 M 400V 50Hz

**Version:**

**Ident:**

**Series:**

**Part-Number:**



## Chapter

33970 - exhaust air duct gasket DN 50 to 26632

34310 - O-ring, silicone

37975 - exhaust elbow MINIMAT E

X1600-200-020 - exhaust air duct D50x1,5

X1600-200-050 - exhaust air duct M (pass)

X1600-200-051 - exhaust air duct (with condenser drain)

**Part: exhaust air duct gasket DN 50 to 26632****Part-Number: 33970**

The exhaust air must always exit upwards. Make sure that no steam reaches the electrical slide. The seal must be exchanged when discoloration or cracks occur.

**Part: O-ring, silicone****Part-Number: 34310****Part: exhaust elbow MINIMAT E****Part-Number: 37975****Part: exhaust air duct D50x1,5****Part-Number: X1600-200-020****Part: exhaust air duct M (pass)****Part-Number: X1600-200-050**

**Part: exhaust air duct (with condenser drain)**

**Part-Number: X1600-200-051**

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Stand: 11/9/2012