

## Cooling / freezing cabinet

MODEL: 880600V02, 880601V02



# TABLE OF CONTENTS

1. SAFETY INSTRUCTIONS .....	3
2. DESCRIPTION AND INTENDED USE OF THE APPLIANCE.....	3
3. TECHNICAL SPECIFICATION .....	4
4. PRODUCT CARD .....	4
5. TRANSPORT AND STORAGE .....	5
6. INSTALLATION .....	5
6.1. Positioning of the appliance .....	5
6.2. Electrical connection .....	5
7. CONTROL PANEL OPTION 1 .....	5
7.1. Description of parameters .....	6
7.2. Buttons functions .....	6
7.3. Compressor operation and defrost function control .....	6
7.4. Error messages .....	7
8. CONTROL PANEL OPTION 2 .....	7
8.1. Description of indicator lights .....	7
8.2. How to check the duration of the alarm and the minimum and maximum temperature .....	8
8.3. Deleting constantly occurring saved alarm .....	8
8.4. How to check the settings .....	8
8.5. How to change the settings .....	8
8.6. Starting manual defrosting .....	8
8.7. Changing of parameters value .....	8
8.8. Locking of the keyboard .....	8
8.9. Unlocking of the keyboard .....	8
8.10. Continuous mode .....	8
8.11. Alarms .....	8
9. CLEANING AND MAINTENANCE .....	9
10. PROCEDURE IN THE EVENT OF POWER FAILURE .....	9
10.1. Starting the appliance in case the temperature has gone beyond the alarm value .....	9
10.2. Starting the appliance in case the temperature has gone below the alarm value .....	9
11. DISPOSAL OF THE OLD APPLIANCE .....	9
12. GUARANTEE .....	9
13. WIRING DIAGRAM .....	10
14. DECLARATION OF CONFORMITY .....	10

Thank you for the purchase of our product. Please read this manual carefully before starting to operate the appliance.

from the manufacturer.

All rights reserved. No part of this manual may be reproduced by photocopy, printing or in any other way without prior consent. Photographs and drawings are furnished by way of example and can vary from the purchased appliance.

**NOTE:** Keep the manual in a safe place accessible for the personnel.

The manufacturer reserves the right to change technical parameters of the appliance at any time without advance notice.

## 1. SAFETY INSTRUCTIONS

- Incorrect operation and improper use can result in serious damage to the appliance or personal injury.
- Use this appliance solely for its intended use as described in this manual.
- The manufacturer cannot be held liable for any damage caused by incorrect operation and improper use of the appliance.
- During operating keep the appliance and the plug away from water or other liquids. In case the appliance, as a result of carelessness, has been immersed in water or flooded by water immediately unplug the appliance from the wall socket and prior to use dry it completely.
- Failure to observe instructions enclosed in this manual may result in the hazard of injury or death.
- Do not let unauthorized opening of the housing of the appliance.
- Do not insert any foreign objects into the housing of the appliance.
- Do not touch the plug and the power cord with damp hands.
- Regularly check the condition of the plug and the cord. If the power cord or the plug is damaged they should be replaced by the Authorized Technical Service personnel.
- In case the appliance is dropped or damaged in any other way before turning it on always contact the Authorized Technical Service for examination and repair.
- Any repairs and work on the appliance should be carried out solely by Authorized Technical Service, never by the end user. Unauthorized tampering could prove highly dangerous for the user.
- Do not let the cord hang over or touch hot surfaces or sharp edges. Keep the cord away from naked fire. When disconnecting the appliance from the wall socket, pull on the plug, never on the cord.
- Do not let the cord (or extension cord) be inadvertently pulled on or tripped over.
- Check the operation of the appliance during usage.
- This appliance can be used by children in the age of eight and more or by persons with reduced physical, sensory or mental capabilities or lack of knowledge and experience in operating of the appliance, if they have been given supervision or instruction concerning use of the appliance in a safe way by a person responsible for their safety and they understand the hazards involved. Children should not play with the appliance. Children should not perform cleaning or maintenance of the appliance.
- Always switch off the appliance and unplug the power cord from the wall socket when the appliance is not in use and prior to cleaning operations. The disconnected plug should be sited in a visible place.
- **Warning:** The appliance's power will remain ON unless unplugged.
- Turn off the appliance before pulling the plug out of the wall socket.
- Never pull the appliance on the cord.
- It is prohibited to store any explosive substances such as aerosol / flammable gas cans in the appliance.
- **WARNING:** Do not block or cover any ventilation openings in the equipment casing or in the built-in structure.
- **WARNING:** Do not use mechanical or any other means to accelerate the defrosting process other than recommended by the manufacturer.
- **WARNING:** Protect the refrigeration system from damage.
- **WARNING:** Do not use any type of electrical equipment other than recommended by the manufacturer inside the food storage chamber.

## 2. DESCRIPTION AND INTENDED USE OF THE APPLIANCE

- the cooling cabinet is intended for short-term storage of pre-chilled food products.
- the freezing cabinet are intended for storage of pre-frozen food products
- the housing of the appliance is made of stainless steel
- forced air circulation
- digital controller with temperature display
- built-in key lock
- automatic defrosting

### 3. TECHNICAL SPECIFICATION

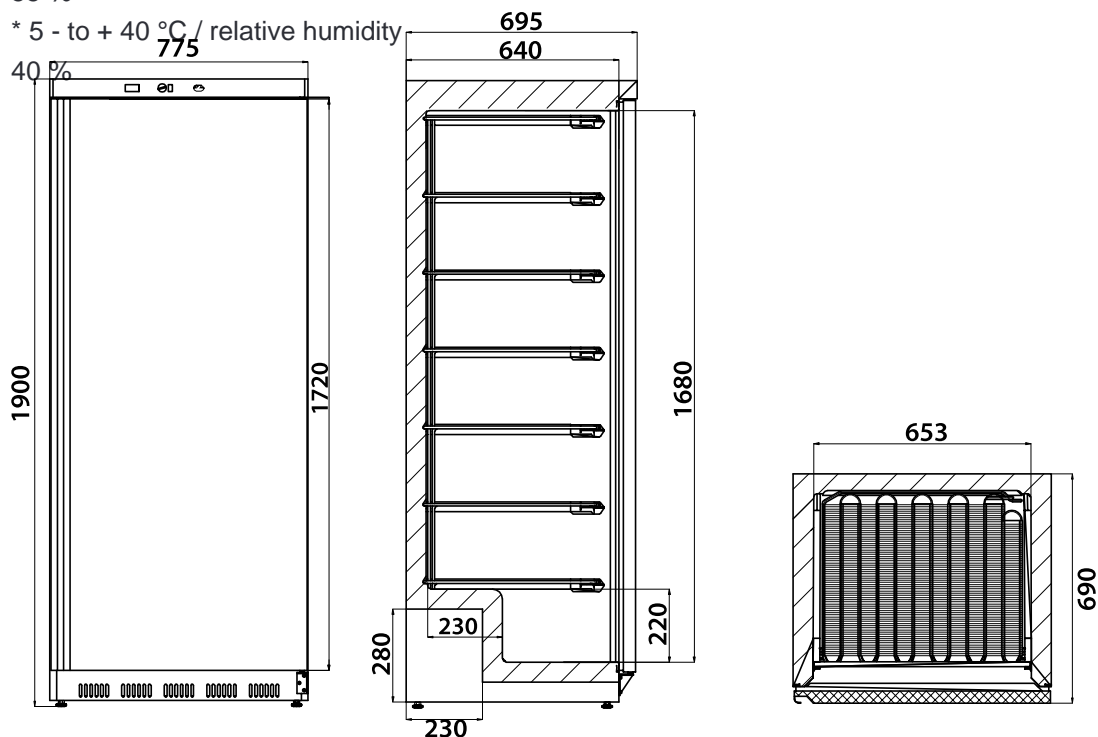
Model	880600v02	880601v02
Voltage (V/Hz)	230 / 50	
Power (W)	130	300
Temperature range °C ( )	0 / + 8	-10 / - 18
Dimensions (WxDxH) (mm)	775x695x1900	775x695x1900
Climate class *	4	4
Weight (kg)	90	94

\* 4 - to + 30 °C / relative humidity

55 %

\* 5 - to + 40 °C / relative humidity

40 %



880600v02

880601v02



The device contains R290 or R600a coolant - natural, ecological, flammable gas.

Take special care when transporting and installing the device to avoid damaging the cooling circuit.

To avoid the formation of a flammable gas mixture in the event of a leak from the refrigeration system, refrain from using devices/items that could cause sparks or fire and ventilate the room. If a leak is revealed, install the device in a room with an area of at least 10 m<sup>2</sup> per every 8 g of the coolant. The amount of coolant is given in the "Technical Data" and on the nameplate.

### 4. PRODUCT CARD

Model	880600v02	880601v02
Intended use	storage	storage
Operating temperature	cooling	freezing
Category	vertical	vertical
Refrigerants:	R600a, GWP=3	R600a, GWP=3
Parameter	Value	
Annual energy consumption AEC (kWh)	672	989
Coefficient of energetic efficiency EEI	48,3	26.14
Net capacity $V_N$ (L)	476	469
(where applicable)		
Refrigeration capacity $V_{NRef}$ (L)	476	0.0
Freezing capacity $V_{NFrz}$ (L)	0	469
Amount of refrigerant (kg)	0.10	0.13

## 5. TRANSPORT AND STORAGE

The appliance is protected with a protective film, placed on a wooden pallet, packed in a cardboard box and secured with straps.

- packaged appliance should be stored in a covered warehouse at an ambient temperature of 0 °C / + 55 °C and humidity of 30 - 95 %;
- it is forbidden to stack appliances;
- read the data on the appliance rating plate. In case of damage or loss of the rating plate it should be replaced immediately;
- do not unscrew the safety guards;
- after unpacking the appliance, carefully remove the protective film and other elements protecting the appliance during transport;
- while lifting the appliance with a lift, position the lift on the outside of the frame;
- transport the appliance and store it exclusively in a vertical position. Never place the appliance on its side or upside down, because it can damage the cooling system (not subject to warranty repair);
- after transporting or moving the appliance wait 2 hours before starting it;
- do not place the appliance in the vicinity of flammable products, outdoors or in a place subject to direct sunlight exposure.

## 6. INSTALLATION

### 6.1. Positioning of the appliance

The appliance should be placed in a dry, adequately ventilated room. In order to ensure proper work do not place the appliance near a heat source and do not expose it to direct sunlight. The optimal temperature in which the appliance operates is between: **+ 16 °C and + 35 °C.**

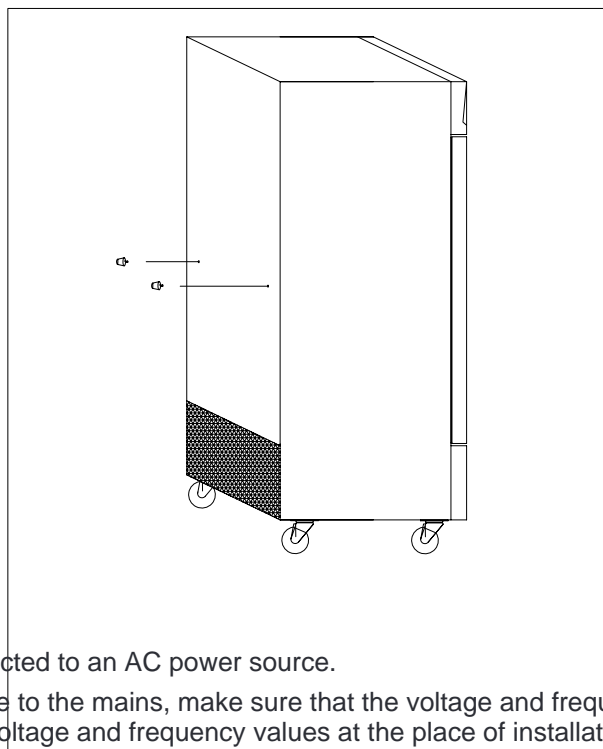
If you install the appliance in a room with high humidity level, you may need to buy an additional tray for condensed water.

Avoid placing the appliance in rooms with a high chlorine and acids content in the air (e.g. at a pool), as this may cause corrosion of the surface made of stainless steel.

The cooling cabinet is prepared to be positioned at a wall as a free standing appliance.

**Important:** The cooling cabinet should be installed in a place with proper ventilation ensuring free air circulation around the appliance. The correct distance from the rear panel of the appliance to a wall is ensured by special elements placed at the back of the cabinet.

Do not place the appliance directly into the back of the unit as shown in the picture. Failure to do so will void the warranty and may cause compressor failure.



### 6.2. Electrical connection

The appliance should be connected to an AC power source.

Before connecting the appliance to the mains, make sure that the voltage and frequency values given on the rating plate of the appliance correspond with the voltage and frequency values at the place of installation.

The electrical outlet should be properly earthed and equipped with a differential current protection device in accordance with legal provisions in force.

## 7. CONTROL PANEL OPTION 1



Description:

Indicator light	Symbol	Status	Meaning
Settings indicator light	SET	The light is on	Parameter setting
		The light is off	Measurement and control
		The light flashes	Checking parameters, entering a password
Refrigeration indicator light		The light is on	Refrigeration
		The light is off	Refrigeration stopped
		The light flashes	Refrigeration delay enabled
Defrosting indicator light		The light is on	Defrosting
		The light is off	Defrosting stopped

### 7.1. Description of parameters

Code	Function	Setting range	Default value	Unit
F01	Menu password	00-99 00: buttons lock function deleting	55	NO
F02	Setting temperature value	-40 ~+50	2	°C
F03	Setting temperature difference	1 – 15	4	°C
F04	Compressor activation time delay	1 – 15	3	min.
F05	Interior temperature calibration	-5 ~ +5	0	°C
F06	Maximum defrosting time	1 – 60	20	min.
F07	Defrosting cycle	1 – 30 units	12	1 unit = 30 min.
F08	Defrosting termination temperature	-20 ~+30	7	°C
F09	Evaporator sensor activation or no activation	00: not active 01: active	1	NO

### 7.2. Buttons functions

Buttons	Function
SET	Press to enter the password; Setting parameters mode; Changing between the menu and the parameter mode.
	Press to check the value of the set temperature; Selection of the menu functions; Changing the setting of parameters and a password.
	Press to check the value of the evaporator sensor; Selection of the menu functions; Changing the setting of parameters and a password.
	Exit from the parameter setting mode; Manual activation or stopping of defrosting.

Temperature measurement and control mode


- Press the „SET” button and hold it for 3 seconds.


In case the keypad password has been set to „0”, the settings indicator light is on, the display shows „F1” code from the menu, there is no password confirmation and you should directly enter the menu mode to set the parameter.

If the keypad password has been set to „0”, the settings indicator light flashes and the display shows



„00”, press the „ ” confirm the password. If the password is correct, the system will go to the settings menu. If the password is not correct the settings indicator light will go off and the system will return to the normal temperature measurement and control mode.


Checking parameter settings:

Push the button . The settings indicator light „SET” starts to flash and the display shows the set temperature value.


Push the button . The settings indicator light „SET” starts to flash and the display shows the temperature value of the evaporator sensor.

After entering the settings menu, press the  button and the  button to select the desired menu function (from F01 to F09).

After selecting the desired menu function, press the „SET” button to set the parameter value, press the  and  button, and select the desired value of the parameter, then press the SET button again to return to the function selection from the

main settings selection mode, press the  button or do not press any buttons for 30 seconds, the system will save the

set parameters values and exit the parameters setting mode.

Press the  button and hold it for 3 seconds to manually activate or terminate defrosting.

### 7.3. Compressor operation and defrost function control

- Compressor

The compressor will be activated when the time of its activation delay expires if the temperature sensor indicates that the temperature is higher than „set temperature value + temperature difference value „.

The compressor will stop working when the temperature sensor detects that the temperature is lower than the set temperature value.

- Defrosting:

The system will start defrosting in accordance with the defrosting cycle set or when manual defrosting is activated.

If the evaporator sensor has been activated and the temperature detected by the evaporator sensor is higher than the temperature of the defrosting termination, it is not possible to activate the defrosting function manually. Defrosting will be terminated when the temperature detected by the evaporator sensor reaches the value equal to the set value of the defrosting termination temperature or when the set defrosting time has elapsed or when the defrosting




has been turned off manually. If the evaporator sensor has not been activated or if an error occurs, defrosting will be interrupted when the set defrosting time elapses or the defrosting is turned off manually.

### 7.4. Error messages





Message	Cause	Solution
E1	Chamber sensor error	Contact the Technical Service to replace the chamber sensor. After the fault has been repaired the system will again calculate the compressor activation delay time.
E2	Evaporator sensor error The temperature of defrosting termination is incorrect	Contact the Technical Service to replace the evaporator sensor.

## 8. CONTROL PANEL OPTION 2







Button	Function
	Used to display the setting, in the programming cycle is used to select the parameter or confirm the operation.
Arrow up 	With this arrow you can display the last alarm, in the programming cycle, you can scroll through the parameters or increase the displayed value.
Arrow down 	The arrow turned down is used to display the last alarm, during the programming cycle, to scroll through the parameters, or to decrease the displayed setting.



Button	Function
	This button is used to manually start the defrosting process.
Combinations of buttons	
	Used to lock and unlock the keyboard.
	Used to enter the programming mode.
	Return to display the temperature in the chamber.

### 8.1. Description of indicator lights

	On	The compressor is on.
	Flashes	The programming mode has been activated.
	On	The defrosting has been activated.
	Flashes	Programming mode, dripping in progress.
°F °C	On	Fahrenheit degrees Celsius degrees

### 8.2. How to check the duration of the alarm and the minimum and maximum temperature

If an alarm symbol appears on the display, to see the type of alarm, min (max) temperature, the duration of the alarm, proceed as follows

1. Press the arrow up or arrow down button
2. The display will show the following message „HAL” for high temperature alarm, „LAL” for low temperature alarm. Then
3. The next step is to return to the temperature display

### 8.3. Deleting constantly occurring saved alarm

1. Press down the SET button and hold it for more than 3 seconds, in the meantime the saved alarm is displayed (the display will show rSt message);
2. To confirm the operation, „rSt” message will start flashing and the normal temperature will be displayed

### 8.4. How to check the settings

Press the „SET” button and immediately release it, the display will show the settings. After pressing and releasing the „SET” button or hold it down for 5 seconds to display the values of the sensor again.

### 8.5. How to change the settings

1. Press the „SET” button and hold it down for more than 2 seconds to change the values;
2. To change the settings, press the SET button and hold it down for 10 seconds
3. To save the new settings, press the „SET” button and hold it down for 10 seconds.

### 8.6. Starting manual defrosting

To start manual defrosting process, press the „SET” button and hold it down for 2 seconds, that will activate the defrost process.

### 8.7. Changing of parameters

To change the parameters values, proceed as follows:

1. Enter the programming mode by pressing the SET button and the arrow down button and holding them down for 3 seconds and the „SET” button will start flashing;
2. Select the parameter
3. Press the „SET” button to display the values
4. Use the up or down arrows to change the settings;
5. Press the „SET” button to save the new parameters;
6. To exit, press the SET + arrow up buttons or wait for 15 seconds without pressing any buttons.



## 8.8. Locking of the keyboard

1. Press the buttons arrow up and arrow down and hold them down for 3 seconds.
2. The POF message will appear on the display and the keyboard will be locked. Only information about minimum temperature can be displayed in this mode.
3. If any button is pressed and held down for 3 seconds POF message will be displayed.

## 8.9. Unlocking of the keyboard

Press the up and down arrow buttons and hold them down for 3 seconds until you see the „Pon“. message.

## 8.10. Continuous mode

If the defrosting process is not enabled, the continuous mode can be activated by pressing and holding down the arrow up button for 3 seconds. The compressor will start operating in continuous mode until the Cct parameter setting is reached. This process

can be interrupted before it ends by using the arrow up button and holding it down for 3 seconds.

Message	Cause
P1	Chamber sensor error
P2	Evaporator sensor error
HA	Maximum temperature reached
LA	Minimum temperature alarm

## 9. CLEANING AND MAINTENANCE

**Note:** Before starting any maintenance procedure, always disconnect the appliance from the power supply.

The appliance should be washed with water and dishwashing liquid. It is not recommended to clean the appliance with detergents, because they can damage the walls of the cabinet. Plastic parts of the appliance can be washed with water at the maximum

temperature of 65°C. During daily cleaning of the appliance, remember to thoroughly clean the gasket from crumbs and sticky substances, because they can damage it.

The ventilation grate of the compressor (located on the back of the appliance) should be cleaned regularly, as dirt and dust may block free air circulation.

## 10. PROCEDURE IN THE EVENT OF POWER FAILURE

In case the appliance is disconnected from the power supply (both due to a failure or due to accidental removing of the plug from the electric socket), the element controlling the work of the compressor will cause that the restarted appliance will operate

according to the current temperature control knob setting.

**10.1. Starting the appliance in case the temperature has gone beyond the alarm value**  
The compressor starts working immediately after reconnecting the appliance to the power supply.

The display will be showing the „HH“ alarm message until the set temperature is

**10.2. Starting the appliance in case the temperature has gone below the alarm value**

reached. The value of the current temperature inside the appliance will be displayed.

The compressor starts working 10 minutes after connecting the appliance to the power supply.

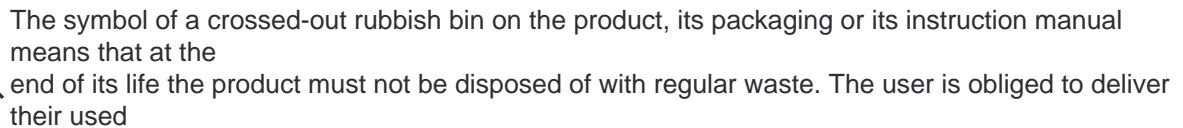
The display shows the current temperature value inside the appliance until the value set by the temperature control knob will be reached.

## 11. DISPOSAL OF THE OLD APPLIANCE

**Information for users on the rules concerning proper disposal of electrical and electronic equipment at the end of its life.**

- **Leave your old equipment in the shop where you purchase a new appliance.** Each store is obliged to accept your old equipment free of charge if you buy there the new equipment of the same type and in the same quantity. The only condition is to
- **Dispose of your old equipment at a collection point.** Information about the location of the nearest collection point can be found on the local website or the notice board of the municipal office.
- **Leave the equipment at a service point.** If the repair of the equipment is unprofitable or impossible for technical reasons, the service is obliged to accept this appliance free of charge.
- **Return the used equipment at the end of its life without leaving your home.** If you do not have the time to deliver your equipment to the collection point, you can use the services of specialized companies.
- **Remember! Do not dispose of used equipment together with regular waste.**

**An illegal or incorrect disposal of the product will lead to high penalties being imposed.**

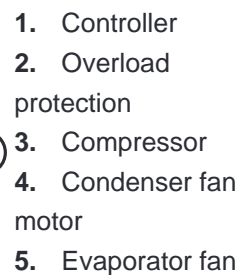


## 12. GUARANTEE



The guarantee does not cover any damage resulting from the build-up of limescale inside the appliance. The guarantee also does not cover: damage caused by external forces such as atmospheric discharge, voltage change, incorrect setting of electrical voltage,


rubber units as well as any breakdowns or mechanical damage of the appliance elements caused by incorrect

### 3. WIRING DIAGRAM



## 14. DECLARATION OF CONFORMITY

 <b>expert group</b> expert group sp. z o.o.		<b>DECLARATION OF CONFORMITY</b> no 22-02-02/2019	
<b>The manufacturer:</b>			
name:		<b>STALGAST Sp. z o.o.</b>	
address:		Plac Konesera 9, Budynek O, 03-736 Warszawa, Poland	
declare under his sole responsibility that the product:			
name:		<b>Freezing cabinet</b>	
model:		<b>880601v02</b>	
serial number:		<b>1 - 100000000</b>	
meets the following essential requirements:			
<ul style="list-style-type: none"><li>• the Machinery Directive <b>MD 2006/42/EC</b></li><li>• the Electromagnetic Compatibility Directive <b>EMC 2014/30/EU</b></li><li>• the Restriction of Hazardous Substances Directive <b>RoHS 2011/65/EU</b></li><li>• the Regulation on materials and articles intended to come into contact with food <b>FCM 1935/2004</b></li><li>• EcoDesign requirements according to:<ul style="list-style-type: none"><li>• regulation <b>2015/1095</b> regard to requirements for professional refrigerated storage cabinets, blast cabinets, and process chillers</li><li>• <del>regulation 2015/1095</del> <b>2019/1044</b> regard to the energy labelling of professional refrigerated storage cabinets, blast cabinets and process chillers</li></ul></li></ul>			
complies with the requirements of the following harmonized standards:			
<ul style="list-style-type: none"><li>• <b>EN 60335-2-89:2010+A1:2012</b></li><li>• <b>EN 60335-1:2012</b></li><li>• <b>EN 62233:2008</b></li><li>• <b>EN 55014-1:2006+A1:2009+A2:2011</b></li><li>• <b>EN 55014-2:1997+A1:2001+A2:2008</b></li><li>• <b>EN 61000-3-2:2014</b></li><li>• <b>EN 61000-3-2:2013</b></li></ul>			
This declaration relates exclusively to the product in the state in which it was placed on the market. Any components added, handling effected or modifications carried out subsequently are expressly excluded from the scope of this declaration and the producer is not liable for documentation.			
The event that the use of the product is not in conformity with the conditions specified in the Declaration of Conformity can be deemed at the premises of STALGAST Sp. z o.o. and is available from the authorised person			
Ireneusz Tarnowski.			
Warszawa, 22.02.2019 r			
Tarnowski			
Product Specialist			
place, date, signature, name, function			



550406062 Rejony w d m.s. Warszawa, XII Wydział ds. Gospodarczy Krajowego Rejestru Sądowego K 000012736, 00012736, 00 PLN