

Operating manual and certificate of authenticity for

**Bullerjan® hot air stoves
Series O
Types 00 – 01 – 02**

--- Limited edition – while stock lasts ---



Operating manual and certificate of authenticity for Bullerjan stoves Series O

Please note that all fireplaces, whether a new installation or retrofit, must be approved by a chimney sweep and/or insurance underwriter. Contact them for specific details.

This stove is an intermittent burning appliance.

Before installing your stove, ensure that the load carrying capacity of the installation location is sufficient for the weight of the stove including the base and combustion wood. If necessary, there must be weight adjustment using a shim.

The Bullerjan GmbH points out that it is not permitted to burn waste, combustible fluids or non-suitable fuels to heat the stove.

1. Set-up/ Connections/ Installation

1.1 General operation of Bullerjan O stoves

When installing Bullerjan® stoves O and when connecting them to exhaust gas systems, the relevant regulations under public law, particularly the provisions of state construction ordinances and the approved firing regulations are to be followed.

1.2 Combustion air supply¹

The room in which the stove is to be installed should at least have a minimum volume of 4 m³ per kW of nominal heating capacity.

The air supply for Bullerjan® stoves O, Type 00, 01 and 02 will be sufficient if the room, where the stove is located is provided by at least one door leading into the open air and by a window which can be opened.

1.3 Connecting pipes

In order to provide maximum exhaust gas efficiency for the best stove operations, the stove needs to be connected to the chimney in the shortest and straightest possible manner. Additionally, this connection should be able to be dismantled for cleaning and inspection from time to time.

1.4 Safety distance to combustible components and furniture¹

Please note the following table for deviating minimum distances to combustible components and furniture:

Model O	Front	Sides	Back/rear	Floor
Type 00	800 mm	400 mm	650 mm	0
Type 01	800 mm	400 mm	850 mm	0
Type 02	800 mm	400 mm	850 mm	0

1.5 Chimney

Bullerjan® stoves O need a chimney of their own. For the purpose of fire protection, the design of the chimney will be made according to the EN 13384 using the triple of values indicated in the table below.

The safe operation and the rated thermal output of our Bullerjan® stoves can only be guaranteed if the design of the chimney with regard to fire protection has been proven to be calculated according to the EN 13384 and confirmed by an authorised chimney sweep.

Triple of values

Bullerjan –Type „O“	Unit	00	01	02
Nominal heat capacity (NWL)	kW	7,7	10,4	16,0
Exhaust gas mass flow relative to NWL	g/s	14,5	12,4	13,3
Average exhaust temperature	°C	378	370	366
Conveyance pressure	Pa	12	12	12
NO _x -Emission relative to 13 % O ₂	mg/m ₃	107,3	115,9	103,6
CO-Emission relative to 13 % O ₂	Vol.- %	0,218	0,167	0,299
CO-Emission relative to 13 % O ₂	mg/m ₃	2724	2092	3735
Dust-Emission relative to 13 % O ₂	mg/m ₃	59,5	35,9	38,3
C _x H _y -Emission relative to 13 % O ₂ (total C as OGC)	mg/m ₃	181,5	118,9	303,2
Efficiency	%	75	74	77

¹ The applicability of the above mentioned values will be subject to other rules and requirements indicated in the firing regulations and building regulations of the individual states.

2. Firing / User manual

2.1 Firewood feed and permissible fuels

As a fuel, you should only use air-dried, natural hard wood (e. g. beechwood) in the form of logs with residual moisture of less than 15 %.

The use of larger quantities of combustible wood does not increase the heating capacity to a major degree. Instead, the excess energy escapes to the chimney. In addition, this results in high hazardous emissions and in extreme cases can damage the Bullerjan® stove O and/or individual parts.

Never use treated or plastic-coated wood, chip boards, saw dust, card board, paper, coal, coke or similar items!

Permissible fuels (max. kg/h)

Bullerjan - Type	Unit	00	01	02
Nominal heat capacity	kW	7,7	10,4	16,0
Fuel quantity	Kg/h	2,7	3,7	5,2
Fuele type	2 logs dry hard wood	Alongside each other	Alongside each other	Alongside each other
Length of wood logs		25 cm	33 cm	50 cm
Adjustment primary air valvet below the door		10 mm, 42° open	11 mm, 45° open	16 mm, 47° open
Adjustment secondary air above the door		½ open	1/3 open	1/3 open
Adjustment tertiary air valvet		100 % open	50 % open	50 % open

2.2 Operating Bullerjan® stoves model O

Bullerjan® hot air stoves O may only be operated with thermal safety covers² and with closed fire room dor. When igniting and for the operation with nominal heat capacity please open the adjustments for primary, secondary and tertiary air as mentionned in the schedule under 2.1.

2.3 Combustion air adjustment

For the combustion air supply Bullerjan® stoves O are equipped with adjustable primary, secondary (glass washing) and tertiary air supplies.

The glas cleaning system (secondary air supply) on top of the combustion camber door guides the secondary air along the front glass downwards to the flame. This way, the soiling of the glass can be successful delayed. However, soiling can not be avoided fully when burning solid fuels which naturally create soot and therefore soiling does not constitute a defect.

2.4 Heating-up procedure

Open the adjusters for the combustion air supply as mentionned in the schedule unter 2.1. Then open the fire room door and insert the logs until just before the back wall of the stove. The logs should be placed alongside each other. Place small ignition wood or wood chips or an ignition aid onto the logs. Ignite the igniton aid and close the stove door.

Important:

Do not use any combustible liquids like aclohol or gasoline when igniting.

Caution: HOT:

During operation, the external surfaces of the stove are very hot. No contact should be made with the stove except at the handles.

Bullerjan® stoves are coated with high-quality, heat-resitant paint which only reaches ist completely solid stage the first time the stove is used. There will be smoke formation and odour when initially heating the stoves. Therefore, when initially heating, open the doors and windows. Please check the viewing glass installation before initial heating. The screws for the glass holder on the front side of the fire room door may only be or become so firmly connected that the glas can still move. The sealing cord must be clamped by the glass all around.

2.5 Cleaning and maintenance

The parts of the Bullerjan® stoves O which carry flue gas and the connection pieces must be cleaned in the event of soiling, at least once during and after the heating period. This can be done with an ash vaccuum..

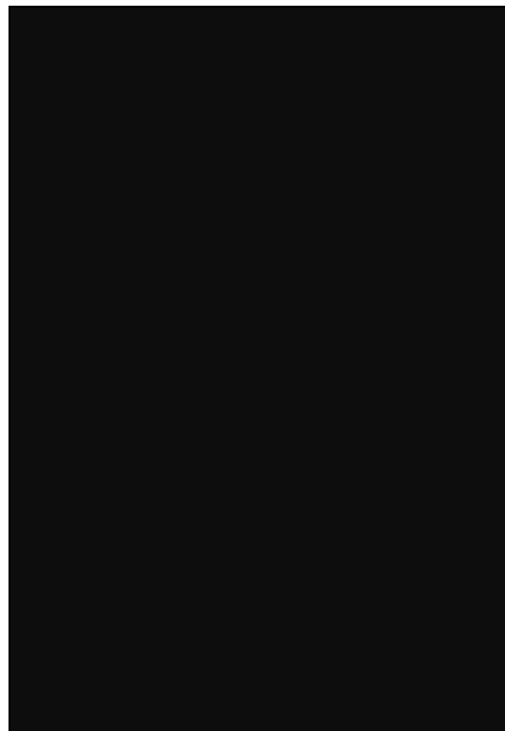
Bullerjan® stoves O are working with an ash grate and an ash box. The ash grate should be cleaned of combustion residues. This can be done with a clean out. The ash box must be emptied regularly in cold condition. To remove the ash box, please lift the ash grate. Please do not put glowing material in the trash.

The company Bullerjan GmbH requests your understanding that our warranty claim to the Bullerjan® stoves becomes invalid if you put too much strain on your stove by using non-permissible fuels oder by loading with fuel quantities which are excessively large.

² Not necessary, if Bullerjan® hot air stoves O are enrased or strucurally covered. The encasing of the stoves may only be performed by specialised licensed companies in the in-built stove and installation business.

**Certificate of authenticity and double counter-piece of the
hologram type plate on your**

Bullerjan® stove model O



Bullerjan® hot air stoves model O meet the requirements of EN 13240.

Please see the corresponding Declarations of performance on www.bullerjan.com!

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