



난로의 난방방식을 허물다!

블로잔 핫 스토브는 기존 난로와의 비교를 거부합니다.
기존 난로는 복사열 방식으로서 가까운 곳의 공기만 데우는 것에 반해 블로잔 핫 스토브 하부공기 흡입구로 흡입된 찬공기가 챔버내로 들어와 데워져 상부 배출구로 배출되고, 식어진 공기를 하부 흡입구로 흡입시키는 대류 순환식 구조로 국제특허를 획득한 제품입니다. 이 순환방식에 의해 따뜻한 공기는 매우 빠르게 순환하므로 주위 전체를 급속히 따뜻하게 합니다.
블로잔 핫 스토브는 일반가정에서 뿐만 아니라 별장(전원주택), 가게, AS센터, 목공소, 대형창고, 홀(거실), 텐트하우스, 지하난방, 건조장치용으로 다양하게 사용가능합니다.



2015:
40 years
 Free Flow
 (page 20)

Type 01; 9.7 kW
 CERAMIC equipment package
 on pedestal WAL with wooden handles

▶ Accessory Parts



• 상부판



• 부지갱이
 • 부삽



• 스탠드

▶ 기존 난로와 BULLERJAN HOT STOVE와의 차이점

항목	BULLERJAN	기존난로
난방방법	자연대류 순환식 + 복사열	복사열
사용목적	난방 > 장식	난방 < 장식
디자인	유연성 (변경가능)	고정식
난방면적	15 ~ 150평	30평 이내
난방용도	가정용, 산업용	가정용
난방효과	빠르고 높음	늦고 낮음
연료 투입량	15 ~ 75kg	작다
연소시간	7.5 ~ 10시간	짧다

▶ 맥반석, 게르마늄 장착시의 효과

작용	효과
중금속 분해작용	<ul style="list-style-type: none"> • 노화방지 • 항균작용 • 신진대사 촉진 • 성장발육 촉진 • 독성제거 • 피로회복 • 면역기능 활성화 • 항암효과 • 유해산소 제거 • 열의 지속시간이 길다 • 형상/ 재질/ 색상 여러가지 부착방법에 따른 이미지 연출가능 (모자이크 타일)
미네랄 용출작용	
수질소절 및 정화작용	
풍부한 산소함유	
원적외선과 음이온 발생	



Type 02; 14.7 kW
CLASSIC I equipment package
on pedestal BOCK with wooden handles

The Bullerjan® Free Flow

The outward functional form of the Free Flow has remained unchanged for forty years now. It hasn't needed to be changed because it simply cannot be improved upon as a design for a pure hot air stove. By contrast, the combustion technology inside it has been continuously enhanced. The current model, the FF15, contains the second, rugged version of the ChimCat® catalytic converter. The Free Flow is a highly effective, reliable, safe and long-lasting heating device. Various performance classes (5.7 to 14.7 kW) enable it to be used in small, but also in very large rooms.



Type 00; 5.7 kW
GLASS equipment package
on pedestal BOCK with wooden handles



Type 00; 5.7 kW
CLASSIC II equipment package
on pedestal BOCK with wooden handles



The history of the Bullerjan® Free Flow

The story begins in 1975 in the winter cold of Vermont with the inventor, Eric Darnell. He couldn't make his makeshift accommodation warm enough despite having a brand new wood-fired stove. At the time Darnell was partly earning his living by retrofitting specially bent steel tubes into open fireplaces so that their heating performance was noticeably increased – without using an electric blower. For this, he made use of the fact that hot air rises (convection effect). The knowledge that he gained doing this and an analysis of the weaknesses of his radiant stove gave rise to the idea of the Free Flow hot air stove.

Within a week the idea had been turned into the first prototype. The heating power was staggering. The Free Flow made every part of Darnell's draughty home equally warm. Today he is still heating his entire house in Vermont with a first-generation Free Flow.

On a business trip in the early 1980s Erhard Knöfler – an entrepreneur with experience of the heating business – discovered the Free Flow in a Canadian loggers' bar. At that time, the Free Flow was manufactured in Canada. Erhard Knöfler met Eric Darnell and a short time later he first acquired the European distribution rights, followed later by the patent for the stove too.

Erhard Knöfler founded the sales company Energetec and gave the Bullerjan® name to the Free Flow stove.

Since then, the Bullerjan Free Flow has proven itself many thousands of times over. In Europe, the Bullerjan name became famous due to its quality and unique heating performance. There were no large advertising budgets – the good reputation of the Bullerjan® brand arose predominantly through recommendations of satisfied Free Flow users and due to the passionate dedication of the first Bullerjan dealers.

Since being passed on to the next generation in 2012, the company now trades under the name of Bullerjan GmbH. The company's goal is to keep alive the creativity and pioneering product approach of Eric Darnell as well as the principled entrepreneurial spirit of Erhard Knöfler.



1977: Eric Darnell and his first production partners, Bob and Sherm Wilson

Type 00; 5.7 kW
GLASS equipment package
on pedestal CARRE



The current Free Flow FF15 series combines the stove's proven qualities with cutting-edge environmental technology

Having originally been conceived as a stand-alone wood-fired heating system and also often (successfully) used as a single heat source, one of the key attributes of the Free Flow hot air stove has always been the quick and even heating of rooms. With the help of the ChimCat[®] catalyst fitted in the combustion chamber and what is now a three-stage combustion air supply, the FF15 now burns more cleanly and efficiently than ever. Its efficiency has been significantly increased, to as much as 82%, which leads to lower wood consumption for the same heat output.

What's more, the FF15 again burns directly in the ash bed without an ash grate – just like Eric Darnell's first Free Flow. The ashes insulate the embers, which keep the stove warm even long after the fire has gone out.

Unique heating properties

The Free Flow is a hot air stove in its purest form. The indoor air is heated in the convection tubes without direct contact with the fire, and it rises up (convection effect) and carries the heat straight into the room. Cooler air is drawn into the tubes from below and is likewise heated. The resulting, unnoticeable air circulation distributes the heat directly, quickly and evenly into the rooms and areas that are to be heated.

Due to these qualities the Free Flow is often used in rooms with a complex floor layout, or in rooms which are only occasionally heated, such as event venues or conservatories.

The Free Flow as an auxiliary wood-fired heating system

Since many oil, gas or electric heating systems need a long warm-up time, the Free Flow is especially effective in the transition periods before and after the actual "heating season". It saves switching on the central heating – which people don't like to do because it is slow and expensive. In winter it means that the central heating has to be used much less.

Product overview – technical data

Free Flow FF15

Detailed information and advice on selecting the right Free Flow for your room layout can be obtained from your authorised specialist Bullerjan dealer.



Type 00, Classic I

Tested nominal heat output (NWL/NHO)	5.7 kW
Depth	63 cm
Width	52 cm
Height	64 cm
Weight	77 kg
Weight with equipment Ceramic	129 kg
Depth of combustion chamber	40 cm
Exhaust gas nozzle	Ø12 cm
Air supply nozzle	Ø10 cm
Height centre exhaust gas nozzle (approx.)	42.5 cm
Height centre air supply nozzle back (approx.)	17.0 cm
Distance from combustible materials (sides/back/front)	25/30/60 cm
Exhaust gas mass flow rate at NWL/NHO	5.14 g/s
Delivery pressure	13 Pa
Mean exhaust gas temperature	334°C
CO content (13% O ₂)	0.099 Vol.-%
CO content (13% O ₂)	1235.5 mg/m ³
Dust (13% O ₂)	35.1 mg/m ³
No _x (13% O ₂)	136.0 mg/m ³
Efficiency	82%

Type 01, Classic I

Tested nominal heat output (NWL/NHO)	9.7 kW
Depth	73 cm
Width	60 cm
Height	67 cm
Weight	102 kg
Weight with equipment Ceramic	174 kg
Depth of combustion chamber	50 cm
Exhaust gas nozzle	Ø15 cm
Air supply nozzle	Ø10 cm
Height centre exhaust gas nozzle (approx.)	43.0 cm
Height centre air supply nozzle back (approx.)	14.0 cm
Distance from combustible materials (sides/back/front)	35/35/60 cm
Exhaust gas mass flow rate at NWL/NHO	6.63 g/s
Delivery pressure	13 Pa
Mean exhaust gas temperature	393°C
CO content (13% O ₂)	0.059 Vol.-%
CO content (13% O ₂)	738.0 mg/m ³
Dust (13% O ₂)	37.7 mg/m ³
No _x (13% O ₂)	135.1 mg/m ³
Efficiency	81%

Type 02, Classic I

Tested nominal heat output (NWL/NHO)	14.7 kW
Depth	85 cm
Width	65 cm
Height	80 cm
Weight	129 kg
Weight with equipment Ceramic	–
Depth of combustion chamber	60 cm
Exhaust gas nozzle	Ø18 cm
Air supply nozzle	Ø10 cm
Height centre exhaust gas nozzle (approx.)	53.0 cm
Height centre air supply nozzle back (approx.)	17.0 cm
Distance from combustible materials (sides/back/front)	39/35/60 cm
Exhaust gas mass flow rate at NWL/NHO	10.56 g/s
Delivery pressure	13 Pa
Mean exhaust gas temperature	376°C
CO content (13% O ₂)	0.060 Vol.-%
CO content (13% O ₂)	745.1 mg/m ³
Dust (13% O ₂)	33.1 mg/m ³
No _x (13% O ₂)	126.3 mg/m ³
Efficiency	82%

Which Free Flow provides the right level of heating for your room layout?

The nominal heat output of stoves – which is dependent on the amount of wood used – is generally stated in kW (kilowatts). It represents an arithmetical mean value, the "average heat output" per unit of fuel burned. As an aid when choosing a wood burning stove, 1 kW of nominal heat output is the guide value for rooms of approximately 8–15 m² in size. This may vary depending upon the installation site, the geographic position of your building, the properties of the room, and the type of chimney.

As well as the volume of the room(s) which you wish to heat, the level of insulation in them (floor, walls, windows, roof) is crucial when calculating the required output. Please consult your Bullerjan specialist dealer and your chimney sweep regarding the permissible and necessary heating capacity for your specific room layout and conditions.

Room heating capacity (approx.) with 2.5 m ceiling height	capacity in kW	degree of insulation very good	degree of insulation good	degree of insulation not good
Type 00	5.7	up to ca. 86 m ²	bis ca. 66 m ²	up to ca. 46 m ²
Type 01	8–10	up to ca. 150 m ²	bis ca. 115 m ²	up to ca. 80 m ²
Type 02	12–15	up to ca. 225 m ²	bis ca. 173 m ²	up to ca. 120 m ²

Free Flow FF15 Type 00 – 5.7 kW

Here we present a small selection of the possible equipment options: heat insulation covers, pedestals and handle variants can be combined as desired. Please visit our website where you can use our configurator to put your Free Flow together exactly as you wish.



Type 00, Classic II Pedestal BOCK

Stove depth	63 cm
Overall width	55 cm
Overall height	120 cm
Overall weight	98 kg
Height centre exhaust gas nozzles (approx.)	98.5 cm
Height centre air supply nozzles (approx.)	73.0 cm

Type 00, Classic I Pedestal WAL

Stove depth	63 cm
Overall width	66 cm
Overall height	100 cm
Overall weight	114 kg
Height centre exhaust gas nozzles (approx.)	78.5 cm
Height centre air supply nozzles (approx.)	53.0 cm

Type 00, Ceramic (white) Pedestal BOCK

Stove depth	63 cm
Overall width	55 cm
Overall height	120 cm
Overall weight	150 kg
Height centre exhaust gas nozzles (approx.)	98.5 cm
Height centre air supply nozzles (approx.)	73.0 cm



Type 00, Ceramic (black) Pedestal WAL

Stove depth	63 cm
Overall width	66 cm
Overall height	100 cm
Overall weight	166 kg
Height centre exhaust gas nozzles (approx.)	78.5 cm
Height centre air supply nozzles (approx.)	53.0 cm

Type 00, Glass Pedestal BOCK

Stove depth	63 cm
Overall width	55 cm
Overall height	120 cm
Overall weight	98 kg
Height centre exhaust gas nozzles (approx.)	98.5 cm
Height centre air supply nozzles (approx.)	73.0 cm

Type 00, Flame Pedestal CARRÉ

Stove depth	63 cm
Overall width	52 cm
Overall height	106 cm
Overall weight	100 kg
Height centre exhaust gas nozzles (approx.)	84.5 cm
Height centre air supply nozzles (approx.)	59.0 cm

Free Flow FF15 Type 01 – 9.7 kW

Here we present a small selection of the possible equipment options: heat insulation covers, pedestals and handle variants can be combined as desired. Please visit our website where you can use our configurator to put your Free Flow together exactly as you wish.



**Type 01, Classic I
Pedestal BOCK**

Stove depth	73 cm
Overall width	60 cm
Overall height	122 cm
Overall weight	125 kg
Height centre	
exhaust gas nozzles (approx.)	98.0 cm
Height centre	
air supply nozzles (approx.)	69.0 cm



**Type 01, Stainless steel
Pedestal RONDO**

Stove depth	73 cm
Overall width	60 cm
Overall height	92 cm
Overall weight	114 kg
Height centre	
exhaust gas nozzles (approx.)	63.0 cm
Height centre	
air supply nozzles (approx.)	40.2 cm



**Type 01, Ceramic (black)
Pedestal BOCK**

Stove depth	73 cm
Overall width	66 cm
Overall height	122 cm
Overall weight	197 kg
Height centre	
exhaust gas nozzles (approx.)	98.0 cm
Height centre	
air supply nozzles (approx.)	69.0 cm

Free Flow FF15 Type 02 – 14.7 kW

Here we present a small selection of the possible equipment options: heat insulation covers, pedestals and handle variants can be combined as desired. Please visit our website where you can use our configurator to put your Free Flow together exactly as you wish.



**Type 02, Classic I
Pedestal BOCK**

Stove depth	85 cm
Overall width	70 cm
Overall height	134 cm
Overall weight	158 kg
Height centre	
exhaust gas nozzles (approx.)	107.0 cm
Height centre	
air supply nozzles (approx.)	71.0 cm



**Type 02, Classic II
Pedestal BOCK**

Stove depth	85 cm
Overall width	70 cm
Overall height	134 cm
Overall weight	158 kg
Height centre	
exhaust gas nozzles (approx.)	107.0 cm
Height centre	
air supply nozzles (approx.)	71.0 cm



**Type 02, Stainless steel
Pedestal BOCK**

Stove depth	85 cm
Overall width	70 cm
Overall height	134 cm
Overall weight	158 kg
Height centre	
exhaust gas nozzles (approx.)	107.0 cm
Height centre	
air supply nozzles (approx.)	71.0 cm



**Type 01, Ceramic (white)
Pedestal WAL**

Stove depth	73 cm
Overall width	69 cm
Overall height	103 cm
Overall weight	211 kg
Height centre	
exhaust gas nozzles (approx.)	79.0 cm
Height centre	
air supply nozzles (approx.)	50.0 cm



**Type 01, Glass
Pedestal WAL**

Stove depth	73 cm
Overall width	66 cm
Overall height	103 cm
Overall weight	139 kg
Height centre	
exhaust gas nozzles (approx.)	79.0 cm
Height centre	
air supply nozzles (approx.)	50.0 cm



**Type 01, Classic II
Pedestal CARRÉ**

Stove depth	73 cm
Overall width	60 cm
Overall height	109 cm
Overall weight	125 kg
Height centre	
exhaust gas nozzles (approx.)	85.0 cm
Height centre	
air supply nozzles (approx.)	56.0 cm

Product registration/extended warranty

Please register your Bullerjan® stove online at www.bullerjan.com/productregistration.

This will help us to fight product piracy. In return we will extend the warranty on the body of your Bullerjan® stove beyond the statutory period to a total of 5 years.

Slight colour differences are possible for all photographs of stoves. We reserve the right to make changes.

Art Direction: Antonia Henschel, Sign Kommunikation GmbH, www.sign.de
Interior Photography: Ingmar Kurth, www.ingmarkurth.com
Cover Photography: Max Ratjen

Printed on Munken Pure
FSC™ – The mark of responsible forestry. www.fsc.org
Printed in Germany

Bullerjan dot®

The dot is a modern design interpretation of the classic Bullerjan Free Flow®.

In 2011 the dot's innovative design was awarded with the prestigious iF product design award. Its round fire box is lined with light fireclay and gives the comfortably calm burning flames a beautiful stage.

The dot provides the current guidelines of the ordinance on small and mid-sized firing systems BImSchV level I and II, the requirements according to Art. 15a for Austria and the VKF ordinances for Switzerland.



product
design
award

2011 ■





Dimensions

depth (cm)
width (cm)
height (cm)
weight (kg)
combustion chamber depth (cm)
exhaust gas nozzles Ø (cm)
height centre exhaust gas nozzle (ca., cm)
nozzle for external air supply Ø (ca., cm)
height centre air supply nozzle (ca., cm)

	low cube	high cube	low T	high T
depth (cm)	70,3	65,8	65,8	65,8
width (cm)	66,7	66,7	66,7	66,7
height (cm)	75	91	92	120
weight (kg)	190	187	189	198
combustion chamber depth (cm)	37,4	37,4	37,4	37,4
exhaust gas nozzles Ø (cm)	15	15	15	15
height centre exhaust gas nozzle (ca., cm)	58,5	74,5	75,5	103,5
nozzle for external air supply Ø (ca., cm)	10	10	10	10
height centre air supply nozzle (ca., cm)	10,6	26,6	27,6	55,6

Performance

nominal heat output 6 kW
flow of exhaust gas mass 7,5 g/s
delivery pressure 0,12 mbar
flue gas temperature at output 230 °C
CO (related to 13% O₂) 1229 mg/m³
dust (related to 13% O₂) 28 mg/m³
efficiency 80%

Errors and omissions reserved.

Art Direction: Antonia Henschel, Sign Kommunikation GmbH, www.sign.de
Cover Photography: Max Ratjen

Stand: 04/2014

Printed on Munken Pure
FSC™ – The mark of responsible forestry. www.fsc.org.
Printed in Germany



dot low cube



dot high cube



dot low T



dot high T

Bullerjan®

Presented by:



주식회사 남부
NAMBU CO.,LTD.

[한국총판] www.supergun.co.kr

경남 창원시 의창구 평산로 78번길 12(팔용동 42-22번지)

TEL : (055) 291 - 8620 | FAX : (055) 291 - 8614 | E-mail : nambu@supergun.co.kr