

# WATER JACKET FIREPLACE INSERTS

---



AQUASYSTEM

# ALBERO

# Join the group of those *who chose well.*

---

Hitze is a modern brand of ecological fireplace inserts and free-standing stoves. We have specialized in **wood-fired appliances** for over 20 years. Our headquarters and the entire production are located in Poland, but our representatives can be found in over **35 countries** in Europe, Africa and Asia.

The dynamic development over the last 5 years has strengthened our position in the segment of high-quality products while maintaining **competitive prices**.

## ALBERO AQUASYSTEM

---



8 kW

ADJUSTABLE POWER RANGE

27 kW

**The economic and ecological** line of fireplaces with a water jacket **ALBERO AQUASYSTEM** is a combination of a traditional fireplace insert with the function of water heating.

It consists of three series of fireplaces differing in heating power, the vision of fire (straight or corner) and the way of opening the door (lifted up „guillotine” type or traditionally opened to the side). Fireplace inserts with a water jacket from the ALBERO AQUASYSTEM line can work independently in an open system and cooperate in a closed system with other heating devices, e.g. gas boilers, oil heaters, heat pumps, solar and photovoltaic systems. Inserts, in addition to the central heating function, can cooperate with the heaters storing hot water.

**The water jacket** is located above the combustion chamber. Specially designed rear part of the body allows for supplying secondary air to the upper part of the furnace and **increases the efficiency of the device** by burning off the fumes. The after-burning system reduces emissions of harmful substances into the environment and **increases fuel economy**.



### Flue $\varnothing$ 180/200/220 mm

Guarantees tight connection of the fireplace to the chimney duct and ensures proper burning in the fireplace as well as increases the area of heat exchange.

### Air curtain and air steering

Reduces soot deposition on a fireplace glass pane ensuring "clean glass" effect.

### Steel door

Made of a profile of increased rigidity which guarantees door tightness and strength

### Heat-resistant ceramic glass

DECOR glass resistant to the working temperature up to 800°C, optional available double glass system.

### Regulated feet in the range of 4 cm.

Allow positioning the fireplace insert securely and stably even on the unstable surface.  
ADDITIONAL OPTION:  
raising feet in the height of +10 cm with adjustment +/- from 3 to 5 cm.



### Coil

Zbezpiecza płaszcz przed przegrzaniem.

### Smoke tubes

They strengthen the process of heating the water in the water jacket.

### ENERGY+

Heater/water jacket is made of 4 mm thick boiler steel.

### Ceramic deflector

Optimizes burning process due to the increase of temperature inside the chamber.

### The afterburning system

Increases thermal energy volume, reduces the emission of harmful substances to the environment and improves fuel saving.

### Combustion chamber

lined with ceramic concrete on the bottom, on the side walls and on the rear wall.

### Grate and ash box

makes ash removal easier and gathers burnt wood residues.

### Air inlet $\varnothing$ 125 mm

the throttle regulates smooth airflow inside the fireplace (1 adjustment lever).

# AQUASYSTEM 68x43 and 68x53

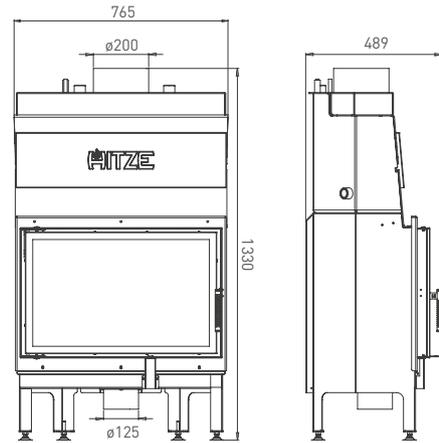


## ALAQS68x43.S

standard horizontal

-  16,0 kW
-  8,0 - 21,0 kW
-  7,2 kW
-  84 %
-  640-1040 cm<sup>2</sup>
-  1120-1280 cm<sup>2</sup>

**A+**

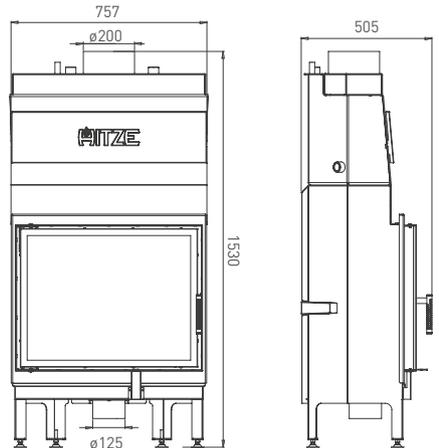


## ALAQS68x53.S

standard horizontal

-  19,0 kW
-  9,5 - 24,0 kW
-  7,2 kW
-  83 %
-  760-1240 cm<sup>2</sup>
-  1330-1520 cm<sup>2</sup>

**A+**



See page 9 for the meaning of the icons used.

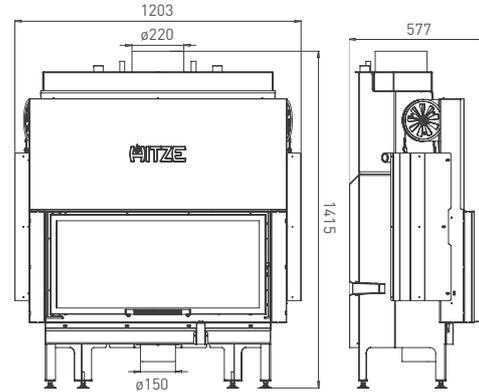


## ALAQS90x41.G

guillotine horizontal

-  21,0 kW
-  10,5 - 27,0 kW
-  7,8 kW
-  81,5 %
-  840-1370 cm<sup>2</sup>
-  1470-1680 cm<sup>2</sup>

**A+**

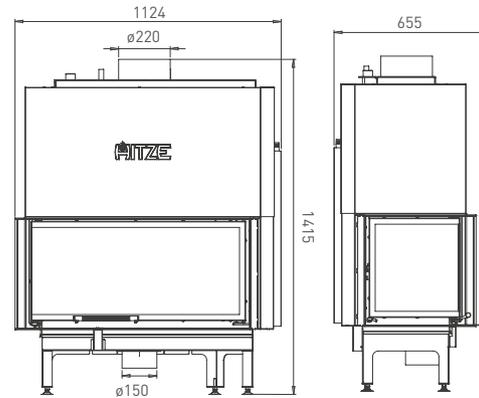


## ALAQS90x41.LG

left guillotine horizontal

-  21,0 kW
-  10,5 - 27,0 kW
-  7,8 kW
-  81,5 %
-  840-1370 cm<sup>2</sup>
-  1470-1680 cm<sup>2</sup>

**A+**

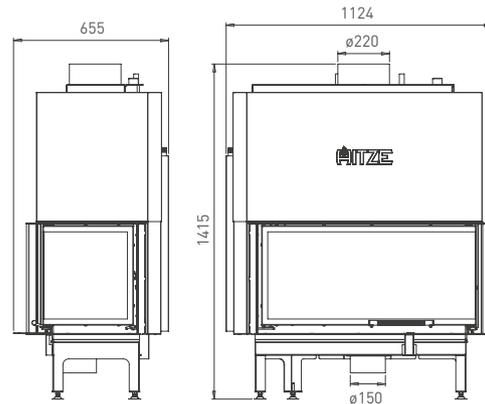


## ALAQS90x41.RG

right guillotine horizontal

-  21,0 kW
-  10,5 - 27,0 kW
-  7,8 kW
-  81,5 %
-  840-1370 cm<sup>2</sup>
-  1470-1680 cm<sup>2</sup>

**A+**



# INSTALLATION ACCESSORIES:

## HEAT EXCHANGERS



**WCPW01.Fi200**  
**WCPW01Fi180**

heat exchanger  
with water jacket  
material:  
boiler steel 3 mm

 < 7 kW

 < 7 kW



**WCPW01w.Fi200**  
**WCPW01wFi180**

heat exchanger with water  
jacket and coil pipe  
material:  
boiler steel 3 mm

 < 7 kW

 < 7 kW



**WCPW02.Fi200**

heat exchanger  
with water jacket and  
tubes  
material:  
boiler steel 4 mm

 < 10 kW



**WCPP01.Fi200**  
**WCPP01Fi180**

air heat exchange  
material:  
boiler steel 3 mm

 < 7 kW

 < 7 kW

## ACCUMULATION SET



For the lines:  
ALBERO, ALBERO AQUASYSTEM, ARDENTE, STMA

**Block weight: 14,5 kg**

## ADDITIONAL FEET



For the lines:  
ALBERO, ALBERO AQUASYSTEM, STMA, ARDENTE

# VENTILATION GRIDS

## DECCO

Available in various colors and sizes.  
Material: steel with a thickness of 1.5 mm.  
Mounting frame included.



DECCO  
size: 20 x 20 cm  
KDC-20x20-W

DECCO  
size: 20 x 30 cm  
KDC-20x30-W

DECCO  
size: 20 x 40 cm  
KDC-20x40-W

DECCO  
size: 20 x 50 cm  
KDC-20x50-W

## SLIM

Available in various shapes and sizes.  
Shapes: straight and corner  
Material: steel with a thickness of 1.5 mm



## SLIM INOX

Available in various shapes and sizes.  
Base colors: black  
Finish: stainless steel, polished  
Shapes: straight and corner  
Material: steel with a thickness of 1.5 mm



# FIREPLACE PERSONALIZATION

## STANDARD OPENING



INOX VENT



INOX VENT  
PORTAL



BLACK VENT



BLACK VENT  
PORTAL



BLACK BASIC

## GUILLOTINE OPENING (available in 5 sizes)



INOX VENT G

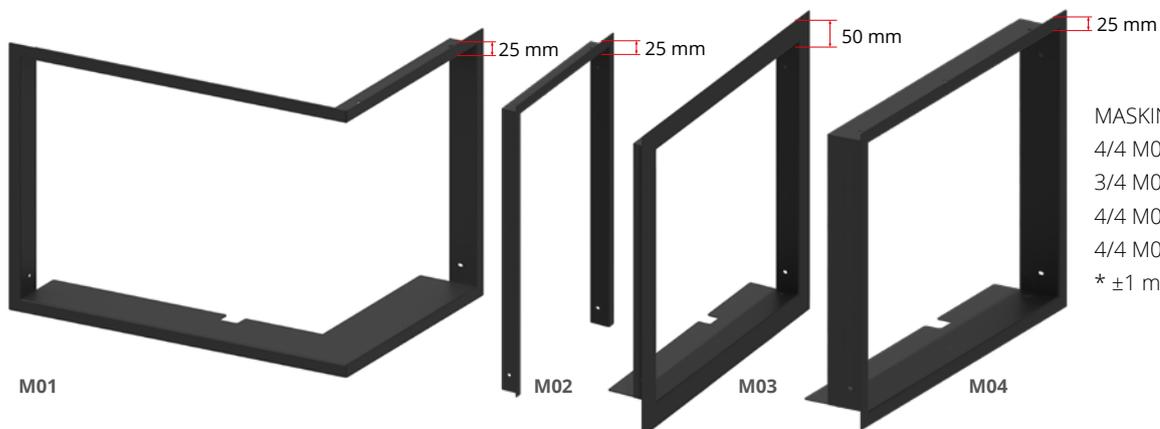


BLACK VENT G



BLACK MINIMAL G

## MASKING FRAMES



MASKING FRAMES:

4/4 M01 - 25 mm

3/4 M02 - 25 mm

4/4 M03 - 50 mm

4/4 M04 - 25 mm / depth 79 mm\*

\*  $\pm 1$  mm depending on the model

## GLASS BASES



### BASE 01

Dimensions (mm) 515 x 350

### BASE 02

Dimensions (mm) 1067 x 1260

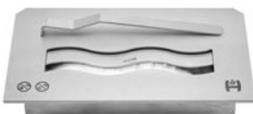
Material: tempered glass

## BLACK CERAMIC CONCRETE INSERT

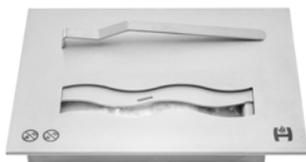
available for all models



## BIO-INSERTS



Bio-insert **SMALL** WBN-04  
capacity: 0,6 l



Bio-insert **MEDIUM** WBN-02  
capacity: 1 l



Bio-insert **LARGE** WBN-03  
capacity: 1,6 l



# Technical data

---

## AQUASYSTEM 68x43 and 68x53

	ALAQ568x43.S	ALAQ568x53.S
Nominal power [kW]	16,0	19,0
Heating load range [kW]	8,0-21,0	9,5-24,0
Thermal power of the water circuit [kW]	7,2	7,2
Thermal efficiency [%]	84	83
CO emission (at 13%O <sub>2</sub> ) [g/m <sup>3</sup> ]	0,641	0,666
CO emission (at 13%O <sub>2</sub> ) [%]	0,0513	0,0533
Dust emission [g/m <sup>3</sup> ]	0,015	0,025
Average fuel consumption [kg/h]	4,5	5,4
Recommended active area of outlet grids [cm <sup>2</sup> ]	1120-1280	1330-1520
Recommended active area of inlet grids [cm <sup>2</sup> ]	640-1040	760-1240
Dimensions of the glass [mm]	680x430	680x530
External dimensions [mm]	765x1330x489	757x1530x505
Diameter of the flue [mm]	200	200
Inlet diameter [mm]	125	125
Maximum log length [mm]	500	500
Weight of the insert [kg]	193	217
Capacity of the heater [dm <sup>3</sup> ]	45	45
Masking frame 4/4	FAL14S.H-M01	FAL16S.H-M01
Portal frame	FAL14S.H-RP01	FAL16S.H-RP01
Efficiency coefficient	112,8	111,4
Energy class	A <sup>+</sup>	A <sup>+</sup>

## AQUASYSTEM 90x41

	ALAQ590x41.G	ALAQ590x41.LG/RG
Nominal power [kW]	21,0	21,0
Heating load range [kW]	10,5-27,0	10,5-27,0
Thermal power of the water circuit [kW]	7,8	7,8
Thermal efficiency [%]	81,5	81,5
CO emission (at 13%O <sub>2</sub> ) [g/m <sup>3</sup> ]	0,935	0,935
CO emission (at 13%O <sub>2</sub> ) [%]	0,0748	0,0748
Dust emission [g/m <sup>3</sup> ]	0,039	0,039
Average fuel consumption [kg/h]	6,0	6,0
Recommended active area of outlet grids [cm <sup>2</sup> ]	1470-1680	1470-1680
Recommended active area of inlet grids [cm <sup>2</sup> ]	840-1370	840-1370
Dimensions of the glass [mm]	900x410	900x410x375
External dimensions [mm]	1203x1415x577	1124x1415x655
Diameter of the flue [mm]	220	220
Inlet diameter [mm]	150	150
Maximum log length [mm]	500	500
Weight of the insert [kg]	323	312
Capacity of the heater [dm <sup>3</sup> ]	65	57
Masking frame 4/4	FAL19G.H-M01	FAL19RG.H-M01 FAL19LG.H-M01
Portal frame	FAL19G.H-RP01	-
Efficiency coefficient	109,2	109,2
Energy class	A <sup>+</sup>	A <sup>+</sup>

## MEANING OF THE ICONS USED:

-  Nominal power
-  Heating load range
-  Thermal power of the water circuit
-  Thermal efficiency
-  Recommended active area of outlet grids
-  Recommended active area of inlet grids
-  Dimensions





[www.hitze.pl](http://www.hitze.pl)



STALKO  
spółka z ograniczoną odpowiedzialnością  
spółka komandytowa  
ul. Solec 24/253  
00-403 Warszawa, Poland

Office:  
Gdyńska 32  
26-600 Radom  
Poland

 +48 48 380 18 98  
+48 800 88 00 30

 [handlowy@hitze.stalko.com](mailto:handlowy@hitze.stalko.com)  
[export@hitze.stalko.com](mailto:export@hitze.stalko.com)

NIP 9482603545  
REGON 361379132  
Reg. No. 0000836475

RAL colours presented on product visualisations are for reference only and their shades may slightly differ from the real colour.

The company reserves the right to introduce changes in the technical parameters, equipment and specifications of the offered products. The information in the catalog is for information purposes only and does not constitute an offer within the meaning of the Civil Code.