



Linear fireplace inserts – and more












LINEAR – CREATIVE DESIGNS

Linearity, modern design and efficient technology are the hallmarks of the Linear fireplace insert range by Spartherm. Linear creates clear lines without dominating, because the fireplace insert should highlight the fire and not the other way round. Ultimate functionality combined with stylish, modern elegance has always been and still is our guideline. Allow our products to fire you with enthusiasm!

Notes:

The enamel, natural stone and ceramic colours shown in this brochure may vary due to the printing process. Colours and technical data subject to change. Errors and omissions excepted.

Fireplace inserts

Linear		
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Classic		
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Arte Xh

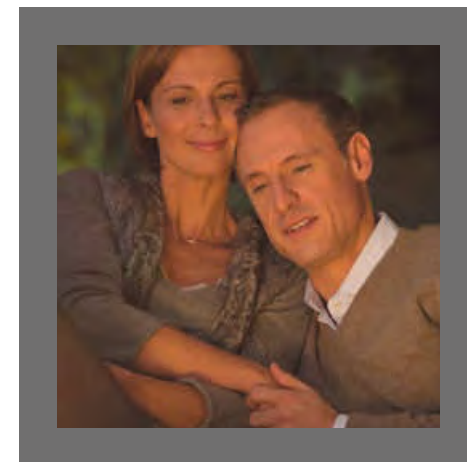
Technical information on page 59



Only by crossing boundaries
can we gain more space, and only
by overcoming the ordinary
can we enjoy the extraordinary.

Varia Ah

Technical information on page 57



Varia M-60h
with attachments
Technical information on page 57



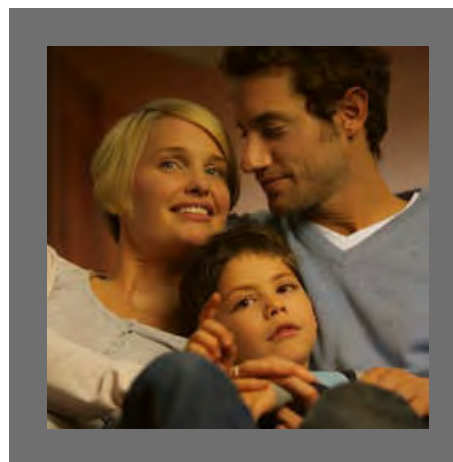
Freedom all along the line

Varia M-100h
with attachments
Technical information on page 58



Varia 1Vh

Technical information on page 57



The interplay of shape and colour is particularly effective in colour-coordinated living rooms with LINEAR inserts.



Arte 1Vh

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Arte 1Vh

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Arte Bh
Technical information on page 58

Perfection is reached not when
there is no more to be added, but
when nothing can be left out.

Antoine de Saint-Exupéry



Mini S-FDh
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Varia Ah
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Varia Bh

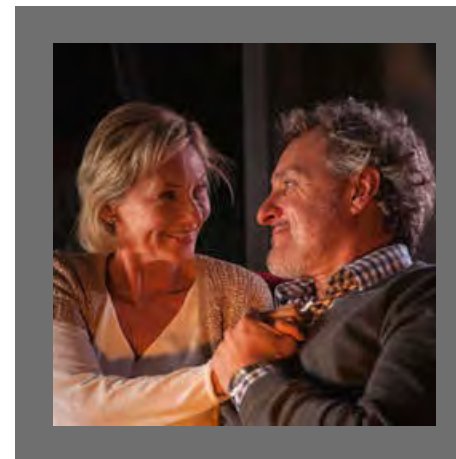
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Clear shapes – absolutely linear

Varia B-120h

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Mini Sh

Technical information on page 56

LINEAR 2

The next generation

Spartherm's new LINEAR 2 range is characterised by the following special features:

Benefits for you:

- Patented, automatic bypass flap for even better, smoother burning and thus also greater efficiency
- New design, with even narrower door profiles and printed glass including concealed door mechanism
- New assembly and fastening of separate combustion air connecting piece with one-handed angled-lever closure
- optimised fireclay brick distribution for easier assembly and removal
- new, elevating ash grate for easier removal of the ash pan



Varia Ah-2

Detail view
Technical information on page 57

Varia Ah-2
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Varia Eh

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Bold design
for individual living



Speedy Ph

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Varia A-FDh
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Clear Vision all along

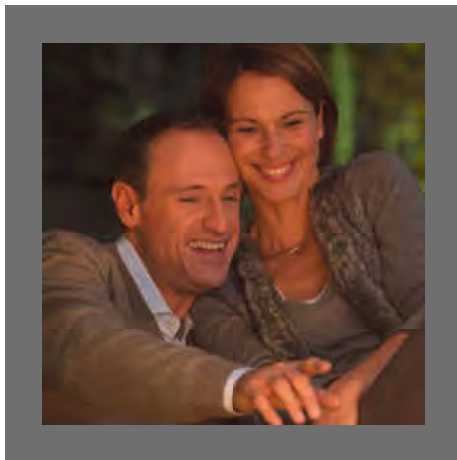
Varia B-FDh

Technical information on page 59

Varia B-FDh
Technical information on page 59

the line

Double-sided fireplaces are something special:
"two" fireplaces in one room. Greater freedom,
greater benefit, greater comfort.





Varia 2Lh

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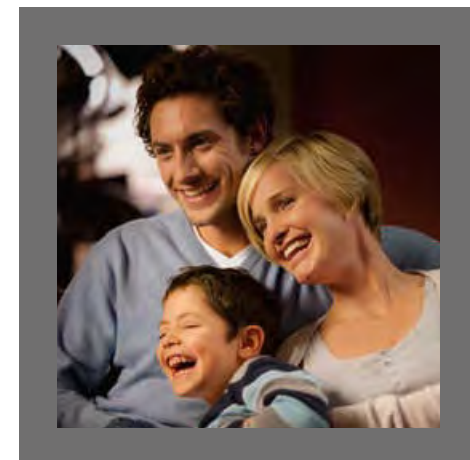
Appealing to the emotions – from all sides

Cosy with
clear views



Mini 2LRh

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Stylish, harmonious, pleasing design



Varia 2R-80h
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Varia 2R-100h
Technical information on page 60



Varia C-45h
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Varia C-45h
Technical information on page 60

Varia Ch
Technical information on page 60



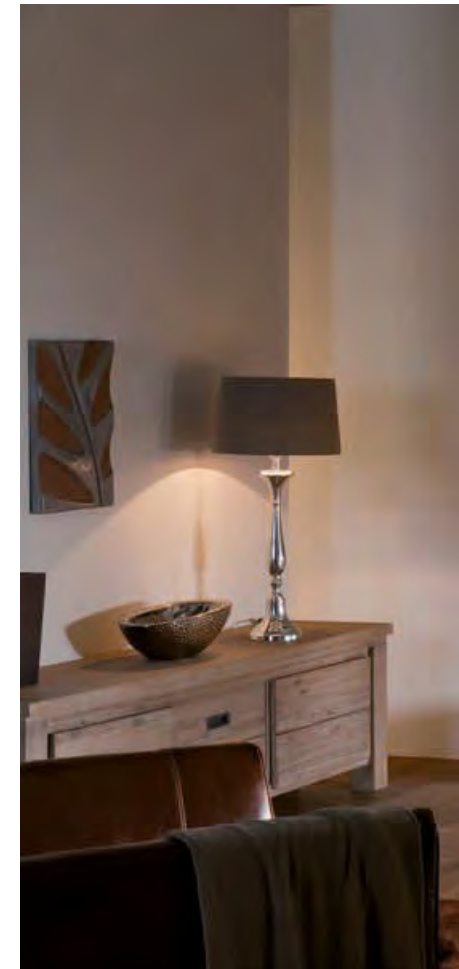
Varia Ch
Technical information on page 60



Arte 3RL-60h

Technical information on page 60

Playing with size and strength



Arte 3RL-60h

Technical information on page 60

Arte 3RL-80h

Technical information on page 60





Arte 3RL-100h

Technical information on page 60

True elegance combined with
top performance

Arte 3RL-100h
Technical information on page 60





Arte U-50h
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Arte U-70h
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Arte U-70h

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Arte U-90h

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Varia GET

The cool fireplace insert solutions

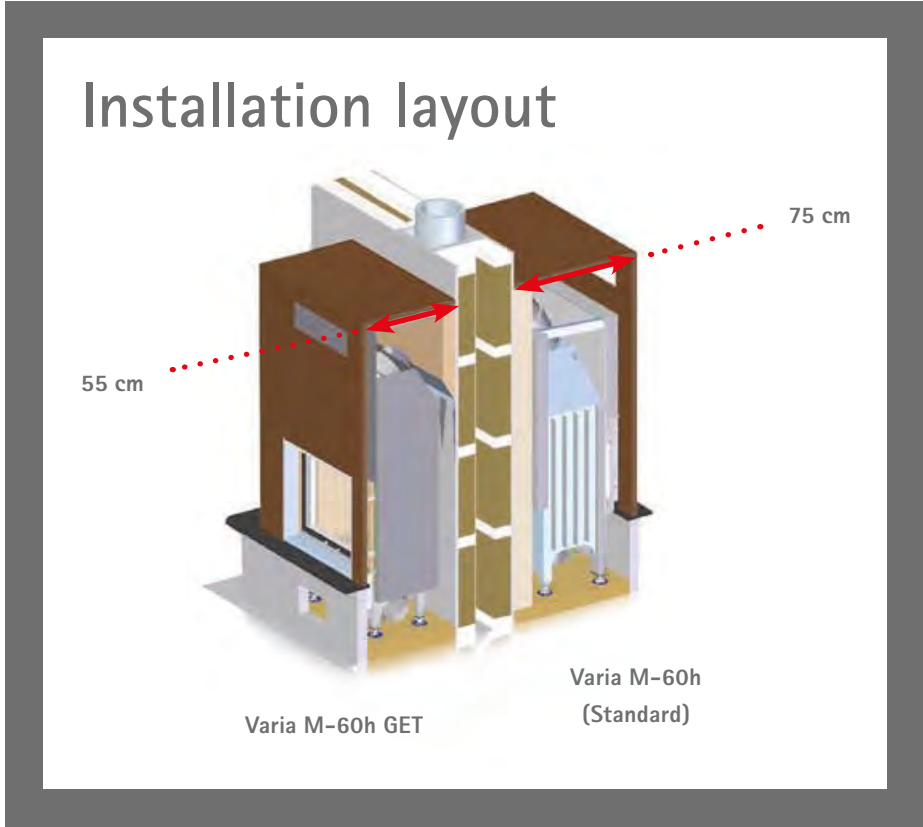
GET is the name for a young fireplace insert generation characterised by an ultra-small installation depth. The secret of this technology is the integral air cooling on the built-in sides of the fireplace insert. This makes it possible to install the fireplace insert right up against the wall, even a flammable wall. We can supply optional insulating hoods for GET models to facilitate installation and shorten the installation time.

Benefits for you:

- Fireplace installation depth is up to 20 cm shallower
- Slim structural shapes
- Short installation time
- Compact / small footprint



For small living rooms and lower output





classic

nova **re**nova

Hot air Stoves Heating inserts

Modern Tradition Nova and Renova

In the past, a 'tiled stove' always had to have tiles somewhere, and it was those glazed tiles that gave it its name. In those days there were no water heat exchangers or other kinds of storage units which absorbed and stored heat efficiently and then released it again as radiant heat.

Nowadays, though, the word 'stove' includes other types of stove as well as the classic traditional tiled stove. 'Stove' is the accepted name for a particular construction or for a fireplace insert which has been tested as a stove insert. Today, however, stoves come in a wide variety of designs and finishes.

The way it works is still the same: a compact fireplace insert with additional heating sections made from ceramic or steel makes up the heart of the system. Wood is burned extremely efficiently in this fireplace insert and the radiant heat pro-

duced is released directly into the room via the glass window. The hot flue gases are not sent straight to the chimney. Instead, the flue gases are routed through ceramic or metal additional heating surfaces which store and transfer the heat.

An intelligent control system gradually releases the stored heat which is thus available to the surrounding room or adjoining rooms as radiant heat over an extended period. In effect, fireplace inserts with water compartments are real all-rounders - universal heating systems, almost.

Spartherm's Nova and Renova fireplace inserts are virtually unrivalled in meeting all the requirements for a modern stove designed with a view to the future.

Benefits for you:

- Increased efficiency > 88%
- Very low emissions
- The S-Thermatik Pro combustion controller can be fitted for even greater convenience
- Appropriated for downstream heat flue pipes of 3-7.2m length storage
- Different connection positions for additional heat exchanger
- Double glazed, infrared coated
- Max. wood feed 8 kg / 10 kg
- Nova F - log length 50 cm
- Extra light (< 100 kg)
- Door opening reversible even after installation
- Eboris 1300 cast fireclay
- Tested with through-the-wall heating in accordance with DIN EN 13229
- Door heights 51 cm and 57 cm
- Extra rugged construction using austenitic steel

NOVA f-Air

– For new installations

The Nova F-Air tiled stove heating insert is designed for installation of a new heat storage stove system. The modern-style glass window is double glazed with an infrared coating. The result is high firebox temperatures, clean burning and more heat goes to the storage system. When combined with modern front screens it shrugs off the traditional, somewhat conventional look of stove heating inserts and becomes an expressive centrepiece of your home.

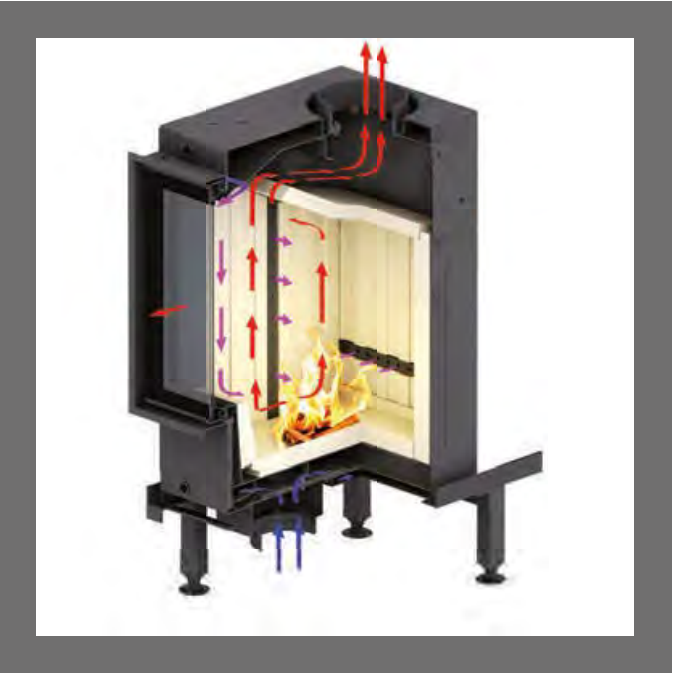
reNOVA b-Air

– For replacement

The link with the word 'renovation' is intentional. The Renova B-Air is a refurbishment unit for existing stove inserts and complies with the latest regulations. Older models often no longer meet present-day flue gas standards. The Renova is dimensioned to fit existing frames and panels and can therefore be installed with minimum disruption. Simply remove the old insert, slide the Renova B-Air into the recess and connect it up to the existing additional heating sections. All done!



Functional drawing of the Nova F-Air, Classic series heating insert



Functional drawing of the Renova B-Air, Classic series heating insert



Nova F

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Consistency at its best



Renova B

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Renova B
Technical information on page 62



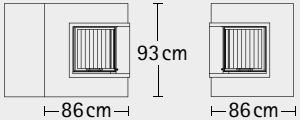

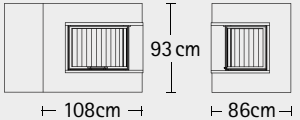
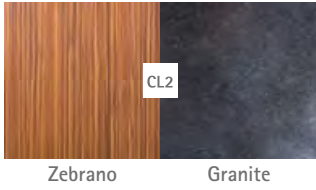
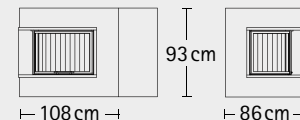
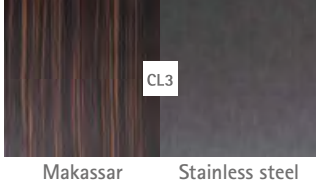
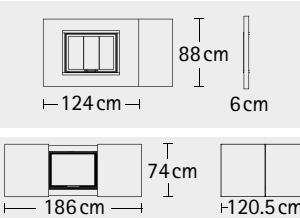
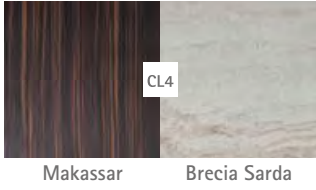
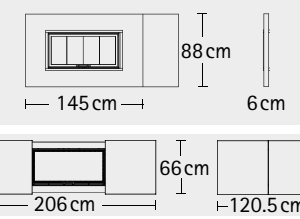

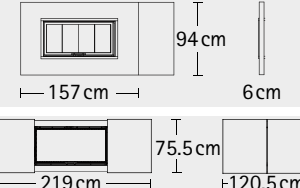

LINEAR Coverline

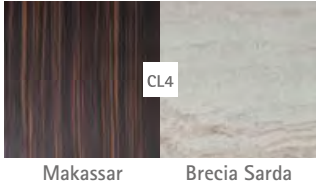
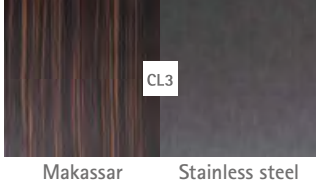
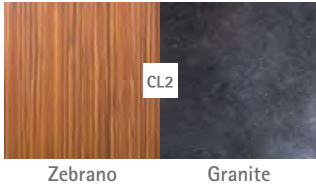
Modern Covers for modern fireplace inserts

Modern fireplace inserts call for modern covers. You may now select from six different covers for five of our absolute top sellers.

The visual appearance of the surfaces resembles the exotic woods Zebrano and Macassar. A slightly relief-like texture lends the surfaces a feel of genuine value. In combining the materials, the company's designers were inspired by the existing contrast of the veneer imitation. Steel on the one hand, natural stone on the other – ideally complementing the diversity of style of your furnishings.



Model	Door height	Version	Wood storage (optional)		Surface	Application
			Left	Right		
Linear Mini 2LRh 4S 	50.0	CL1	X	X		
		CL2	X	X		
		CL3	X	X		
		CL4	X	X		
Linear Varia 2Rh 4S 	51.0	CL1	X			
		CL2	X			
		CL3	X			
		CL4	X			
Linear Varia 2Lh 4S 	51.0	CL1		X		
		CL2		X		
		CL3		X		
		CL4		X		
Linear Varia 1Vh 4S 	51.3	CL1	X	X		
		CL2	X	X		
		CL3	X	X		
		CL4	X	X		
		CL5				
		CL6				
Linear Varia Ah 4S 	43.8	CL1	X	X		
		CL2	X	X		
		CL3	X	X		
		CL4	X	X		
		CL5				
		CL6				
Linear Varia Bh 4S 	52.3	CL1	X	X		
		CL2	X	X		
		CL3	X	X		
		CL4	X	X		
		CL5				
		CL6				



Note: only for Linear Mini Sh-3S

The wood storage compartment is always 44 cm wide and its height is that of the cover. It can optionally be ordered together with all CL1-CL4 variants.



Mini 2LRh/CL3

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Inner values unveiled



Varia 1Vh/CL4

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The sliding mechanism of the door operates effortlessly. The door gently slides open and closed. The sandwich construction reduces the weight to a minimum. That saves costs and requires minimal assembly effort.





Hidden wealth of variation

Varia 1Vh/CL5

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Our CL5 and CL6 versions can fully conceal our straight models.
The perfect solution for summer.



Varia 1Vh/CL6

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Varia 1Vh/CL5
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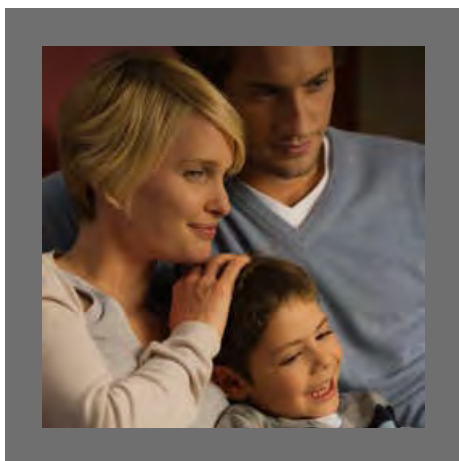




Varia Ah/CL2

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Varia 2Rh/CL1
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Varia 1V

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Environmentally friendly technologie

Maximum energy efficiency and
healthy environmental awareness



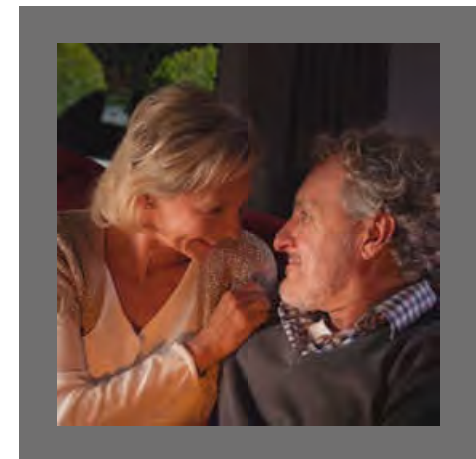
Hot water storage technology



Heat storage technology



Clean air technology



Heat storage technology

Imagine your hot water coming from the stove!

Most of us use electricity, oil and gas to warm our homes and heat our water. We can show you how using Spartherm advanced technology helps to conserve natural resources, as our innovative technique utilises the cosy warmth of the fire. Read on and let us really fire you with enthusiasm for the beneficial and environmentally-friendly alternative way of turning a fireplace into a water heater, using ingenious technology – so your system will be environmentally friendly as well as economical.

By adding an Aquabox to a fireplace insert or an existing water-heating fireplace insert you can turn your stove into a futureproof system. Our thermal storage products like Thermobox and the Helix use the heat from the flue gases in an efficient way. Our versatile storage stones can be fitted to the left or right of the firebox or behind or above it, as desired. The aim is to show off the dancing flames to best effect and, at the same time, to use the combustion energy effectively.





Aquaboxen

The versatile way to use heat

The most impressive feature of Aquaboxes is their flexibility when used as an addition to a wide range of fireplace inserts of different shapes and sizes. Similarly to water-heating fireplace inserts, the hot flue gases rising from the stove are used to heat the water flowing through the Aquabox and feed it back into the heating circuit. That way, you can back up your water heating system as well as supplying heat to other rooms.

The advantages are obvious: you save electricity, oil or gas as well as cutting your fuel bills.



Fireplace insert
and assembled Aquabox
(Schematic diagram only)

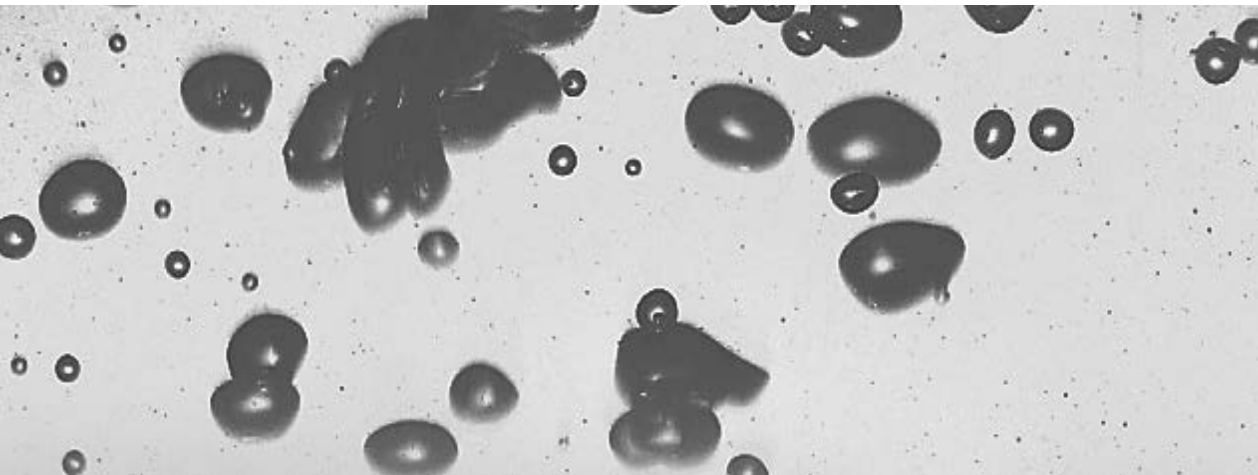
AQUA BOX



Aquabox with a schematic
view of the heat distribution
inside the unit

The benefits to you:

- Compatible with various fireplace inserts of different shapes and sizes (certified by the German DIBt under no. Z-43.31-198)
- Hot water output efficiency approx. 25-40% of the nominal heat output of the selected fireplace
- Easy to service: no need for additional cleaning or inspection openings
- Can be cleaned through the combustion chamber
- 10.5 L Capacity (Aquabox small)
- 13.5 L Capacity (Aquabox large)
- Minimal space requirements
- Environmentally friendly
- Reduces your energy bill
- Output range up to 7.5 kW



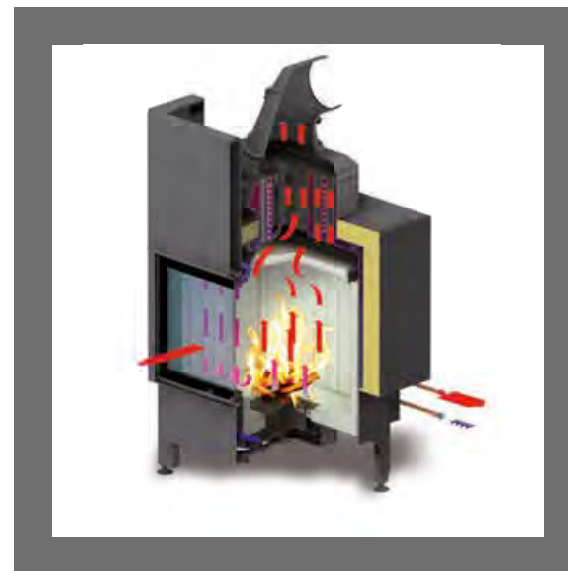
H₂O

The alternative heat use

Fireplace inserts are real power stations. Boiler fireplace inserts are available with an elevating or hinged door, and are equipped with an integrated water jacket heat exchanger for integration into the heating system. They combine exclusive design with innovative technology. High hot water output efficiency (50-80%) satisfies all needs, yet still provides all the comforts of a real fire. The thermal discharge and the patented safety device with gravity circulation protects against possible hazards in the event of a power failure.

Boiler fireplace inserts guarantee even heat dissipation. In normal mode the heating water is sent to the heat exchanger via a circulating pump. There it is heated in the lateral water compartments and in the flue gas heat exchanger itself until it leaves the fireplace insert via the flow pipe and is fed into the heating system.

Feed	Hot water output at nominal output										
	Hinged or lift-up door										
	Mini Z1 H ₂ O	Mini Z1 H ₂ O XL	Varia 1V H ₂ O	Varia 1V H ₂ O S	Varia 2L/2R-55 H ₂ O	Varia 2Lh/2Rh H ₂ O	Varia 1V H ₂ O XL	Varia 1V H ₂ O XS	Varia 1V H ₂ O XXL	Varia Ah H ₂ O	Varia A-FDh H ₂ O
2 kg	5.6 kW	-	-	-	-	-	-	-	-	-	-
3 kg	8.4 kW	8.7 kW	5.2 kW	5.0 kW	5.9 kW	5.9 kW	7.1 kW	5.2 kW	7.9 kW	7.9 kW	7.2 kW
4 kg	11.3 kW	11.6 kW	-	-	8.0 kW	7.9 kW	9.4 kW	-	10.5 kW	10.6 kW	9.6 kW
5 kg	-	-	-	-	10.0 kW	9.8 kW	11.8 kW	-	13.2 kW	-	-
6 kg	-	-	-	-	-	11.8 kW	-	-	15.8 kW	-	-



- Hot water output:

Varia 1V H ₂ O	50%
Varia 1V H ₂ O S	48%
Varia 1V H ₂ O XL	70%
Varia 1V H ₂ O XS	50%
Varia 1V H ₂ O XXL	73%
Varia 2L/2R-55 H ₂ O	~60%
Varia 2Lh/Rh H ₂ O	57%
Mini Z1 H ₂ O	78%
Mini Z1 H ₂ O XL	80%
Varia Ah H ₂ O	70%
Varia A-FDh H ₂ O	57%

of the applied output

- Patented safety components to prevent overheating

- Hinged or lift-up door



H₂O

The alternative heat use

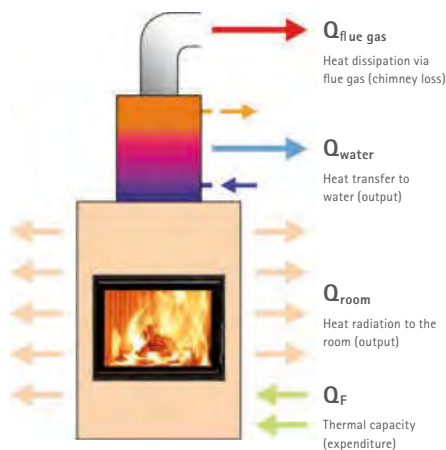
The **Mini Z1 H₂O** is especially suitable for use in a low-energy passive home, as only 20% of the heating capacity is dissipated into the surrounding room.

The **Mini H₂O** versions and all **XL and XXL** variants are fitted with a combination of double glazing and infrared coating. This reduces the direct heat dissipation to the surrounding room and prevents valuable energy being wasted. In addition, the higher combustion chamber temperature (water jacket insulation) helps to improve the economics of combustion and increases hot water production.

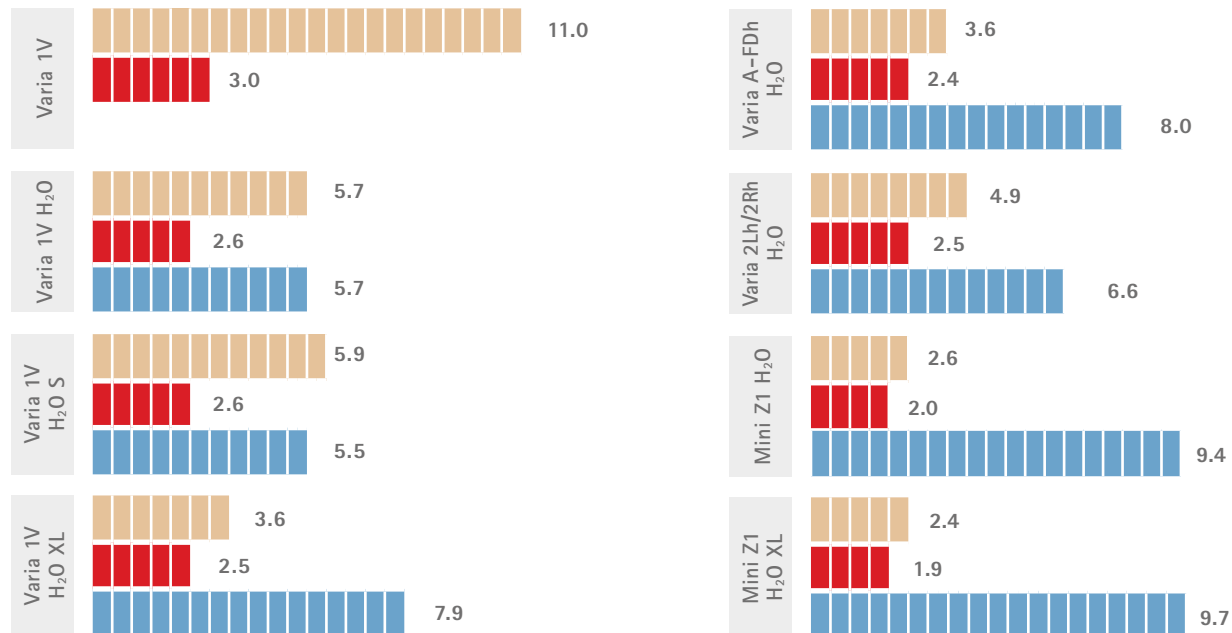


Fire place insert
Mini Z1 H₂O XL

Possible distribution of output



Q_F
14.0 kW
3.33 kg/h



H₂O



Thermal storage technology

...imagine your fireplace being able to retain heat...

We all love having a warm home. But rising energy costs are hitting people's wallets harder all the time, and so we need to play our part by maximizing the benefit to you from a reasonable outlay.

Upgrade your fireplace by adding an innovative Spartherm thermal storage system. Thermobox, Helix and Magnetherm heat storage stones offer optimum flexibility of use combined with maximum benefit.

This is how it works: highly compacted, fired heat storage material is installed in your fireplace insert as a heat storage medium. This stores heat while the fire is burning and slowly releases it again to the room via the fireplace insert after the fire has gone out.

That way, you can noticeably reduce your energy bills as well as protect the environment.

Thermoboxes

The affordable way to utilize heat

Thermoboxes are available in two sizes, depending on your fireplace insert. Thermoboxes are top-mounted units filled with Magnetherm granulate that absorb heat from the rising hot flue gases and gradually release that heat again.

Because of their compact size they do not take up much room, they are quick to install and they offer an affordable alternative to thermal storage rings.

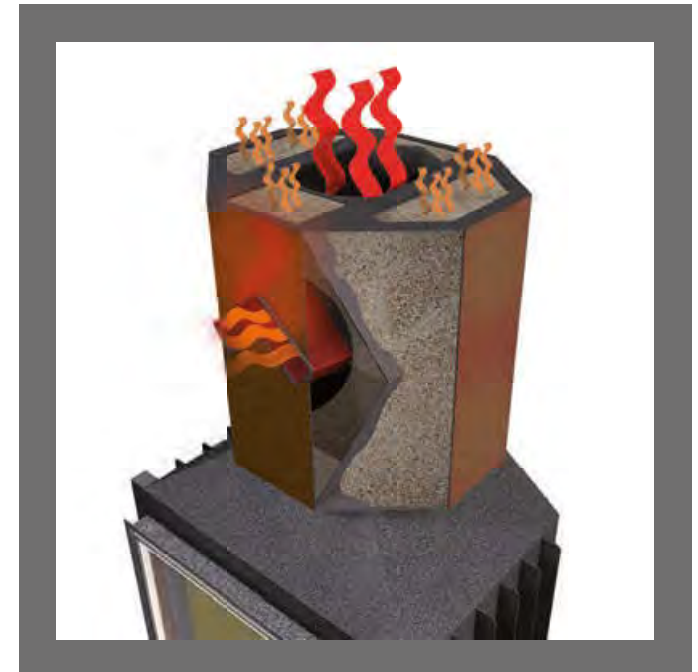
Benefits to you:

- can be used with a variety of fireplace inserts
- up to 7.5 hours of heat storage
- lower energy costs
- environmentally friendly
- affordable
- quick to install

Filling the Thermobox with Magnetherm granulate materials.



Fireplace insert with narrow Thermobox installed

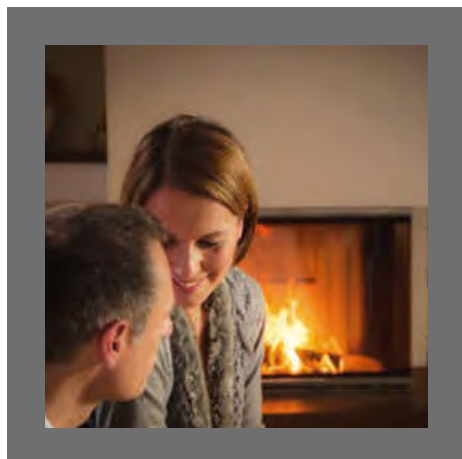


Helix (🌀)

Modular use of heat

Helix (Greek = coil, spiral) is probably the most individual heat storage solution ever offered for our fireplace inserts. The hot flue gases flow through the helix, generating excellent heat transfer to the storage medium and thus long-lasting, even release of heat to the surrounding room.

Anything is possible – from 4 standardised sets to custom design of the flue length and thus of the storage system.



Helix special features:

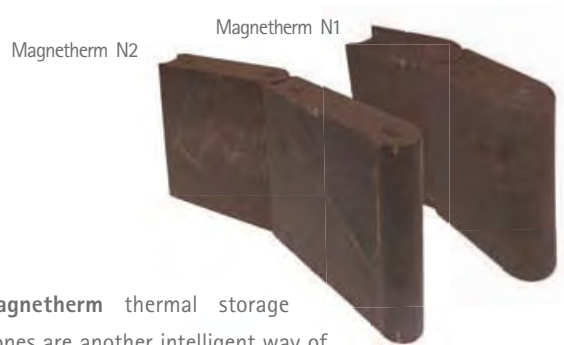
- compatibility with various fireplace inserts
- lower energy costs
- flue length defined individually
- cleaning via the firebox
- low resistance during lighting up.
The hot gases are routed entirely through the storage system
- stress-free heat transfer
- quick assembly
- environmentally friendly

Individual design options:

- | | |
|-----------------------------------|--|
| • construction height | from 56.5 cm - to 94 cm |
| • thermal storage masses | from 117 kg - to 203 kg |
| • Flue gas temperature reductions | from \varnothing 200°C - to zu 300°C |
| • choice of top or side outlet | |

Magnetherm thermal storage stones

Convenient use of heat



Magnetherm thermal storage stones are another intelligent way of storing heat. The greater the thermal storage mass surrounding your fireplace insert, the more heat can be stored. The stones are available in two sizes, N1 and N2, and characterised by their high density and mass of 2.8 kg/dm³ – making them similar to soapstone.

The precision tongue and groove system enables the Magnetherm stones to be combined as desired to create all sorts of angles and curves on the fireplace body.

Applications for Magnetherm N1 and N2 thermal storage stones include hot-air systems, combined storage/hot-air systems, hypocaust systems and enclosed systems.

Benefits to you:

- up to 10 hours of heat storage
- lower energy costs
- environmentally friendly
- affordable

Eboris akku

Storage elements for fireplace inserts

More heat – greater comfort

The Eboris akku storage stones can store heat for up to 10 hours. Made from high quality storage medium, these elements are designed as optional add-ons for room-heating fireplace inserts with a straight body surface (not for use with round body fireplace inserts or H₂O units).

They are designed to be suspended from the side and rear cooling fins of the fireplace inserts, enabling fireplaces to be fitted with storage medium for prolonged heat radiation easily and without a great deal of work.

The Eboris akku storage stones absorb heat and release it again, slowly and evenly. Heat is therefore emitted over a longer period for greater comfort while at the same time saving heating costs and reducing emissions.



Benefits to you:

- Up to 10 hours stored heat
- Pleasant, even heat
- Less heating up
- No overheating
- Reduced wood consumption
- Quick and easy to install

Versions

The storage elements are available in two different widths and are simply suspended from the cooling fins on the fireplace insert with the aid of integrally cast mountings. From 1 January 2013 all compatible fireplace inserts are supplied already prepared for this purpose. The small and large versions differ in width and weight.



Clean air technology

Clean air for better quality of life

Wood as a fuel has the priceless advantage of being renewable, locally available and CO₂-neutral. However, there is still the same problem as with most combustion processes: flue gases and sooty particles are generated.

Modern Spartherm fireplace inserts comply with the strict requirements of the Federal Air Pollution Control Ordinance (BImSchV) and can be operated without time restrictions. It is not Spartherm's philosophy to merely comply with limits. We want to look ahead and innovate and offer trend-setting combustion technologies.

Further improving quality of life is also important to us, which is why we have developed the Airbox, a particle separator which bonds invisible respirable dust and thus helps keep the air we breathe clean – an important concern for us and a step towards a cleaner future for you and your children.

Benefits for you:

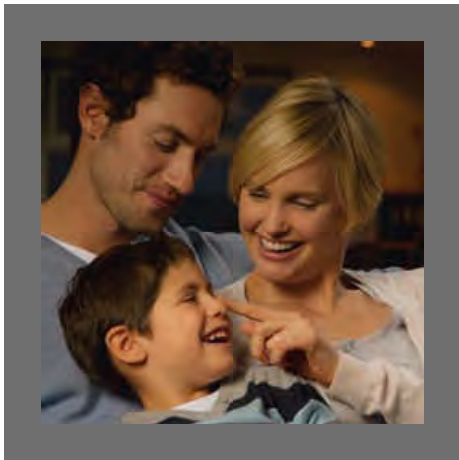
- No modification required to the chimney system
- >60% reduction in flue gas dust particles up to a nominal heat output of 15 kW
- Temperature-controlled on-off switch for the filter
- Compatible with more than 30 models

AIRBOX



The choice is yours

You can match the glass type and the finish to your living room.



4S = 4-sided version

The 4S version with 4-sided printed glass ceramics and a brushed stainless steel handle.



4S

Elegant: Slim, brushed stainless steel handle.

3S = 3-sided version

The 3S version has 3-sided printed glass ceramics, the lower glass side has no frame.

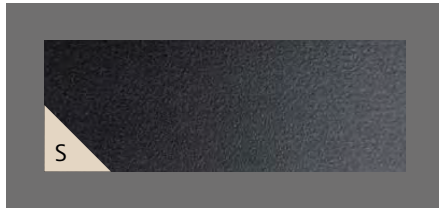


3S

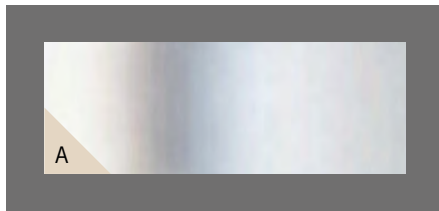
"Cold hand": for opening and closing the 3S model.



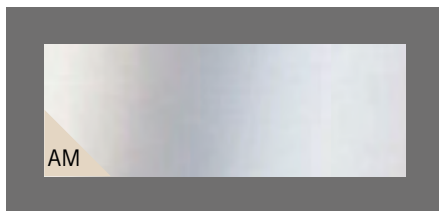
Finishes and technical details



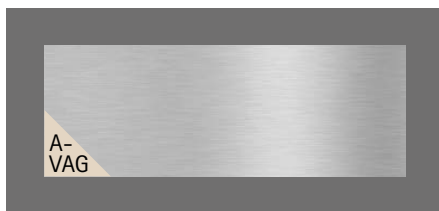
Standard (Black)



Avantgarde (Chrome gloss)



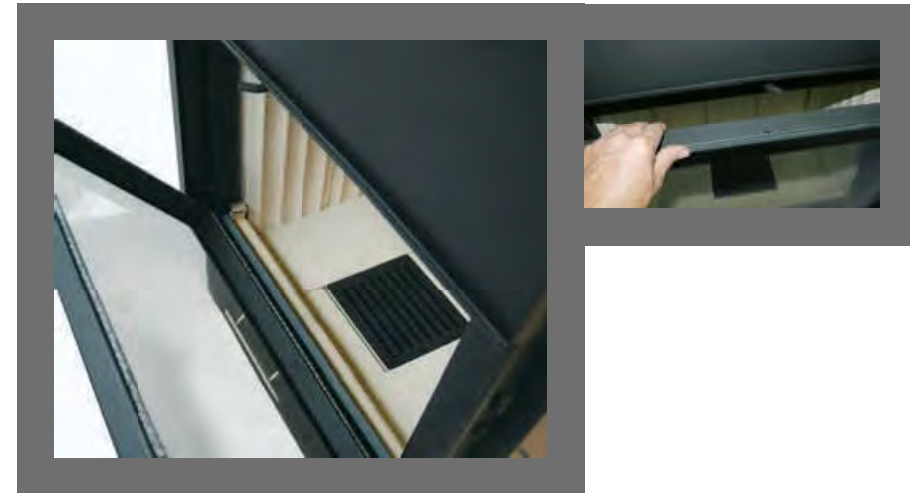
Avantgarde matt (Chrome matt)



Avantgarde VAG (Stainless steel, brushed)



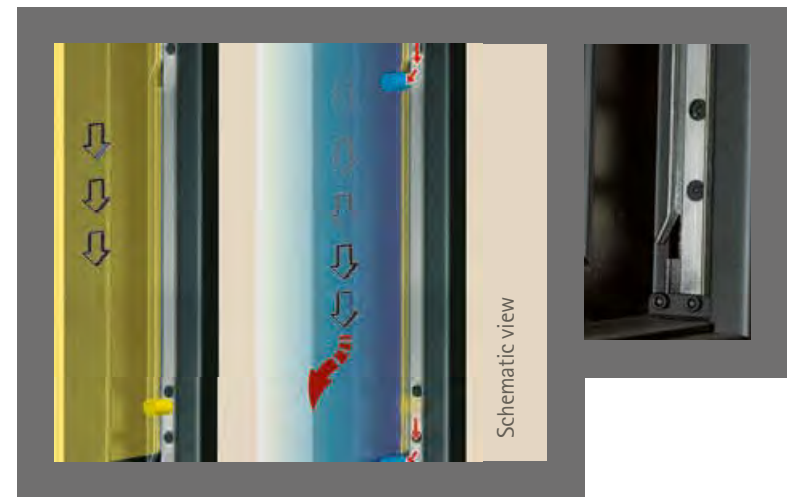
Convenient handle for glass cleaning. For quick opening without tools – in just 5 seconds.



... the glass is easy to clean

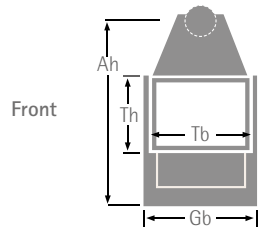


Minimal space between door and sliding mechanism like an expansion gap.



The Spartherm SoftClose Mechanism, for optimal all-round, even contact pressure on the body.

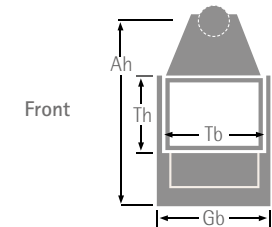
Technical data



Installation examples		no illust	no illust	no illust	no illust	page 12	no illust	no illust	no illust	no illust	no illust	no illust	
Fireplace insert		Mini R1V ^{*1}	Mini R1Vh ^{*1}	Mini Z1/Z1 ^{*1}	Mini S	Mini Sh	Speedy 1V 51	Speedy 1V 57	Speedy 1Vh 51	Speedy 1Vh 57	Varia 1V 45	Varia 1V 51	
Top view													
Panel arrangement													
Dimensions	Door width [Tb]	445	441	445	598	606	668	668	671	671	668	668	
	Door height [Th]	510/570	573	510/570	510	513	510/570	570	513/573	573	510/570	510	
	Door height [Th]	-	-	-	-	483	-	-	-	-	-	-	
	Overall width [Gb]	540	560	540	698	736	775	775	795	795	765	765	
	Overall depth [Gt]	463	473	591	422	432	527	527	548	537	558	558	
	Connection height [Ah]	1000/1060	1060	1275/1335	1176	1176	1233/1293	1233/1293	1233/1293	1233/1293	1233/1293	1295/1355	1295/1355
	Flue outlet ø	160	160	180	180	180	200	200	200	200	200	200	
Performance	Nominal output	5.2 / 5.0 kW	5.0 kW	7.0 kW	7.0 kW	7.0 kW	9.0 kW	9.0 kW	9.0 kW	9.0 kW	11.0 kW	11.0 kW	
	Thermal output range	4.5 - 6.8 kW	4.5 - 6.5 kW	4.9 - 9.1 kW	4.9 - 9.1 kW	4.9 - 9.1 kW	6.3 - 11.7 kW	6.3 - 11.7 kW	6.3 - 11.7 kW	6.3 - 11.7	7.7 - 14.3 kW	7.7 - 14.3 kW	
	Heat contribution to water	-	-	-	-	-	-	-	-	-	-	-	
	Efficiency	> 80 %	> 80 %	> 78 %	> 80 %	> 78 %	> 78 %	> 78 %	> 78 %	> 78 %	> 78 %	> 80 %	
	Flue gas temperature at connection	255 °C	334 °C	330 °C	290 °C	290 °C	336 °C	288 °C	336 °C	288 °C	355 °C	270 °C	
	Min. draught at connection	12 Pa	12 Pa	14 Pa	14 Pa	14 Pa	12 Pa	12 Pa	12 Pa	12 Pa	11 Pa	12 Pa	
	CO emission	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	
	Dust emission	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	
	Compliance, standards	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	
Info	Door closure	hinged	elevating	hinged	hinged	elevating	hinged	hinged	elevating	elevating	hinged	hinged	
	Weight	150 kg	150 kg	160 kg	205 kg	205 kg	200 kg	200 kg	270 kg	270 kg	245 kg	245 kg	
	Glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	



Technical data



no illust	page 6	no illust	no illust	page 63	page 4	page 13	no illust	page 10	page 11	page 5
Varia 1V 57	Varia 1Vh 45	Varia 1Vh 51	Varia 1Vh 57	Varia Sh	Varia Ah	Varia Ah-2	Varia ASH-2	Varia Bh ²	Varia B-120h	Varia M-60h

Installation examples
Fireplace insert



Top view
Panel arrangement

668	671	671	671	746	881	867	730	1006	1206	602
570	453/513/573	513	573	623	438	430	370	524	523	524
-	443/503/563	503	563	593	428	430	-	493	493	-
765	780	780	780	900	992	1027	884	1151	1408	700
558	579	568	568	508	597	486	442	485	483	453
1295/1355	1235/1295/1355	1235/1295/1355	1235/1295/1355	1305	1371	1313	1094	1188	1295	1450
200	200	200	200	200	200	200	180	250	250	200

Door width [Tb]	Dimensions
Door height [Th]	
Door height [Th]	
Overall width [Gb]	
Overall depth [Gt]	
Connection height [Ah]	
Flue outlet ø	

11.0 kW	11.0 kW	11.0 kW	11.0 kW	11.0 kW	10.4 kW	9.0 kW	7.0 kW	10.4 kW	15.0 kW	7.0 kW
7.7 - 14.3 kW	7.7 - 14.3 kW	7.7 - 14.3 kW	7.7 - 14.3 kW	7.7 - 14.3 kW	7.3 - 13.5 kW	6.3 - 11.7 kW	7.7 - 14.3 kW	7.3 - 13.5 kW	10.5 - 19.5 kW	4.9 - 9.1 kW
-	-	-	-	-	-	-	-	-	-	-
> 80 %	> 78 %	> 80 %	> 80 %	> 80 %	> 80%	> 80%	> 80 %	> 78 %	> 78 %	> 78 %
284 °C	355 °C	270 °C	284 °C	300 °C	310 °C	267 °C	275 °C	311 °C	296 °C	330 °C
12 Pa	11 Pa	12 Pa	12 Pa	11 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa
< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³
< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³
1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**

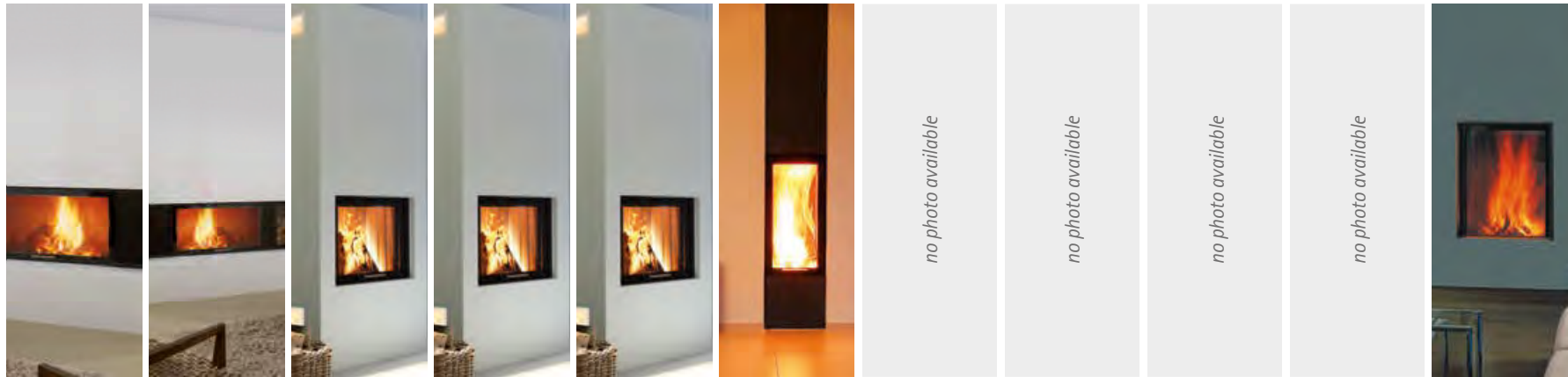
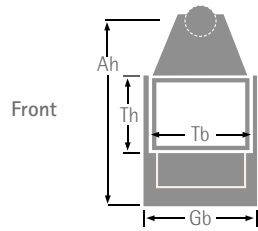
Nominal output	Performance
Thermal output range	
Heat contribution to water	
Efficiency	
Flue gas temperature at connection	
Min. draught at connection	
CO emission	
Dust emission	
Compliance, standards	

hinged	elevating	elevating	elevating	elevating	elevating	elevating	elevating	elevating	elevating	elevating
245 kg	260 kg	260 kg	260 kg	270 kg	300 kg	290 kg	220 kg	350 kg	370 kg	205 kg
Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing

Door closure	Info
Weight	
Glazing	

Blind frame with a depth of 5 cm and an upstand of 3.0 cm to match any model, in 3-sided or 4-sided versions, can be ordered optionally.
 * Version test for heat recovery section: please ask your stove fitter
 ** Federal Ordinance for Pollution Control
 *1 additionally tested for heat recovery section
 *2 additionally tested with low output - values on request

Technical data



Installation examples

Fireplace insert

no illust page 5 page 30 no illust no illust page 7 no illust no illust no illust no illust page 8

Varia M-80h Varia M-100h Varia M-60h GET Varia M-80h GET Varia M-100h GET Arte 1Vh Arte F-1V Arte F-1Vh Arte F-FD Arte F-FDh Arte Bh

Top view



Panel arrangement

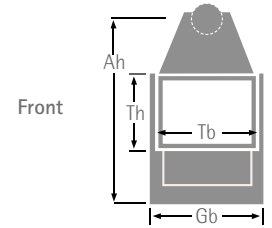


Dimensions	Door width [Tb]	802	1006	606	802	1006	396	460	458	460	460	656
	Door height [Th]	524	524	514	520	520	803	726	698	726	698	803
Door height [Th]	-	-	-	-	-	-	-	-	-	-	793	
Overall width [Gb]	876	1105	760	1018	1218	515	490	554	491	554	784	
Overall depth [Gt]	473	473	425	425	425	558	440	450	362	468	508	
Connection height [Ah]	1450	1450	1346	1346	1346	1446	1341	1341	1341	1341	1390	
Flue outlet ø	200	200	180	180	180	180	160	160	160	160	200	
Performance	Nominal output	9.0 kW	11.0 kW	8.0 kW	9.0 kW	10.4 kW	8.0 kW	5.9 kW	5.9 kW	5.9 kW	5.9 kW	11.0 kW
	Thermal output range	6.3 - 11.7 kW	7.7 - 14.3 kW	5.6 - 10.4 kW	6.3 - 11.7 kW	7.4 - 13.5 kW	5.6 - 10.4 kW	4.1 - 7.7 kW	4.1 - 7.7 kW	4.1 - 7.7 kW	4.1 - 7.7 kW	7.7 - 14.3 kW
	Heat contribution to water	-	-	-	-	-	-	-	-	-	-	-
	Efficiency	> 78 %	> 78 %	< 80 %	> 80 %	> 80 %	> 80 %	> 80 %	> 80 %	> 80	> 80 %	> 78 %
	Flue gas temperature at connection	310 °C	340 °C	311 °C	279 °C	308 °C	300 °C	318 °C	318 °C	300 °C	300 °C	350 °C
	Min. draught at connection	12 Pa	14 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa
	CO emission	< 1250 mg/Nm ³	< 1500 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³
	Dust emission	< 40 mg/Nm ³	< 75 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³
Compliance, standards	1st + 2nd level BlmSchV**	1st level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	
Info	Door closure	elevating	elevating	elevating	elevating	elevating	elevating	hinged	elevating	hinged	elevating	elevating
	Weight	300 kg	350 kg	255 kg	225 kg	350 kg	220 kg	85 kg	100 kg	95 kg	110 kg	260 kg
	Glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing

Blind frame with a depth of 5 cm and an upstand of 3.0 cm to match any model, in 3-sided or 4-sided versions, can be ordered optionally.
 * Version test for heat recovery section: please ask your stove fitter
 ** Federal Ordinance for Pollution Control
 *1 additionally tested for heat recovery section
 *2 additionally tested with low output - values on request



Technical data

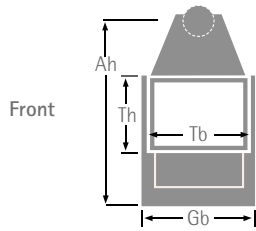


page 3	page 8	no illust	page 61	page 15	page 16	no illust	no illust	page 19	page 30	page 18	Installation examples
Arte Xh	Mini S-FDh	Varia FD	Varia FDh	Varia A-FDh	Varia B-FDh	Arte X-FDh	Mini 2L/2R	Mini 2LRh	Varia 2L/2R-55h GET	Varia 2L/2R-55h	Fireplace insert
											Top view Panel arrangement
988	606	674	671	881	1006	988	452/452	465/465	583/391	583/391	Door width [Tb]
-	513/573	510/570	513/573	438	523	-	495/555	500/560	512	510	Door height [Th]
660	483	-	503/563	428	493	660	-	-	-	-	Door height [Th]
1161	746	768	784	975	1209	1200	506	556	639	635	Overall width [Gb]
708	571	626	637	558	656	662	506	516	506	460	Overall depth [Gt]
1486	1370/1430	1265/1325	1265/1325	1235	1305	1538	1248/1308	1248/1308	1346	1346	Connection height [Ah]
250	200	250	250	250	250	300	180	180	180	180	Flue outlet ø
11.0 kW	6.0 kW	11.0 kW	11.0 kW	10.4 kW	11.0 kW	11.0 kW	7.0 kW	7.0 kW	7.0 kW	7.0 kW	Nominal output
7.7 - 14.3 kW	4.5 - 7.8 kW	7.7 - 14.3 kW	7.7 - 14.3 kW	7.3 - 13.5 kW	7.7 - 14.3 kW	7.7 - 14.3 kW	4.9 - 9.1 kW	4.9 - 9.1 kW	4.9 - 9.1 kW	4.9 - 9.1 kW	Thermal output range
-	-	-	-	-	-	-	-	-	-	-	Heat contribution to water
> 78 %	> 78 %	> 78 %	> 78 %	> 80%	79,0 %	> 78 %	> 78 %	> 78 %	> 80 %	> 80%	Efficiency
300 °C	360 °C	355 °C	355 °C	300 °C	300 °C	300 °C	330 °C	330 °C	276 °C	279 °C	Flue gas temperature at connection
12 Pa	12 Pa	11 Pa	11 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	Min. draught at connection
< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	CO emission
< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	Dust emission
1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	Compliance, standards
elevating	elevating	hinged	elevating	elevating	elevating	elevating	hinged	elevating	elevating	elevating	Door closure
430 kg	261 kg	240 kg	260 kg	325 kg	350 kg	430 kg	160 kg	160 kg	245 kg	240 kg	Weight
Single glazing	Single; optionally double	Single; optionally double	Single; optionally double	Single; optionally double	Single; optionally double	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Glazing

Blind frame with a depth of 5 cm and an upstand of 3.0 cm to match any model, in 3-sided or 4-sided versions, can be ordered optionally.
 * Version test for heat recovery section: please ask your stove fitter
 ** Federal Ordinance for Pollution Control
 *1 additionally tested for heat recovery section
 *2 additionally tested with low output - values on request

Note: Varia FD and Varia 2L/2R are also available in RLU (for room airtight operation) - DIBt certified.

Technical data



Installation examples

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Fireplace insert

Varia 2Lh/2Rh ¹/₂

Varia 2L/2R-80h

Varia 2L/2R-100h

Varia C-45h

Varia Ch

Arte U-50h

Arte U-70h

Arte U-90h

Arte 3RL-60h

Arte 3RL-80h

Arte 3RL-100h

Top view



Panel arrangement



Dimensions

Door width [Tb]	685/465	802/412	1000/410	191/450/191	312/646/312	499/501/499	713/501/713	913/556/913	370/600/370	400/800/400	450/1000/450
Door height [Th]	512/572	512	522	526	526	544	544	544	570	570	570
Door height [Th]	-	-	-	-	-	-	-	-	-	-	-
Overall width [Gb]	778	948	1058	558	681	510	538	593	609	809	1009
Overall depth [Gt]	587	489	502	476	611	632	1000	1200	493	523	573
Connection height [Ah]	1323/1383	1323	1361	1366	1476	1338/1366	1318/1346	1318/1346	1559/1532	1560/1532	1560/1532
Flue outlet ø	200	200	250	180	250	200/250	200/250	200/250	250/200	250/200	250/200

Performance

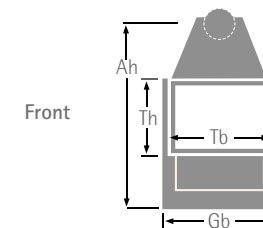
Nominal output	11.7 kW	10.4 kW	11.0 kW	8.0 kW	9.0 kW	9.0 kW	11.0 kW	13.0 kW	7.5 kW	9.0 kW	11.0 kW
Thermal output range	8.2 - 15.2 kW	10.4 - 15.6 kW	7.7 - 14.3 kW	5.6 - 10.4 kW	6.3 - 11.7 kW	6.3 - 11.7 kW	7.7 - 14.3 kW	9.1 - 16.9 kW	5.3 - 9.8 kW	6.3 - 11.7 kW	7.7 - 14.3 kW
Heat contribution to water	-	-	-	-	-	-	-	-	-	-	-
Efficiency	> 80 %	> 80 %	> 78 %	> 80 %	> 80 %	> 79 %	> 78 %	> 78 %	> 80 %	> 80 %	> 78 %
Flue gas temperature at connection	330 °C	276 °C	280 °C	255 °C	240 °C	310 °C	310 °C	310 °C	310 °C	335 °C	360 °C
Min. draught at connection	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa
CO emission	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³
Dust emission	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³
Compliance, standards	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**

Info

Door closure	elevating	elevating	elevating	elevating	elevating	elevating	elevating	elevating	elevating	elevating	elevating
Weight	275 kg	275 kg	280 kg	230 kg	250 kg	240 kg	375 kg	464 kg	250 kg	280 kg	300 kg
Glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing	Single glazing



Technical data

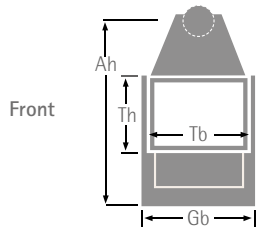


page 14	no illust	page 14	no illust	no illust	no illust	no illust	no illust	no illust	no illust	no illust	no illust	Installation examples
Varia Eh	Varia BEh	Speedy Ph	Mini Z1 H ₂ O	Mini Z1 H ₂ O XL	Mini Z1h H ₂ O XL	Varia 1V H ₂ O ^{1,2}	Varia 1Vh H ₂ O ^{1,2}	Varia 1V H ₂ O XL ^{1,2}	Varia 1Vh H ₂ O XL ^{1,2}	Varia 1V H ₂ O XXL	Fireplace insert	
											Top view	
											Panel arrangement	
754	1020	523	445	445	441	675	671	675	671	675	Door width [Tb]	
510	512	570	510	510	513	510	514	510	514	510	Door height [Th]	
-	-	-	-	-	-	-	-	-	-	-	Door height [Th]	
856	1155	523	646	646	646	782	782	782	782	882	Overall width [Gb]	
541	549	538	643	643	653	590	590	590	590	590	Overall depth [Gt]	
1091	1241	1330	1522	1522	1522	1403	1403	1403	1403	1403	Connection height [Ah]	
200	250	160	180	180	180	180	180	200	200	200	Flue outlet ø	
11.0 kW	11.0 kW	7.0 kW	7.0 kW	10.0 kW	10.0 kW	11.0 kW	11.0 kW	12.0 kW	12.0 kW	21.0 kW	Nominal output	
7.7 – 14.3 kW	7.7 – 14.3 kW	4.9 – 9.1 kW	4.9 – 9.1 kW	7.0 – 13.0 kW	7.0 – 13.0 kW	7.7 – 14.3 kW	7.7 – 14.3 kW	8.4 – 15.6 kW	8.4 – 15.6 kW	14.7 – 27.3 kW	Thermal output range	
-	-	-	5,5 kW	8.0 kW	8.0 kW	6.0 kW	6.0 kW	8.0 kW	8.0 kW	15.0 kW	Heat contribution to water	
> 79 %	> 78 %	> 80 %	> 80 %	> 80 %	> 80 %	> 84 %	> 84 %	> 85 %	> 85 %	> 85 %	Efficiency	
330 °C	340 °C	376 °C	235 °C	245 °C	245 °C	250 °C	250 °C	235 °C	235 °C	240 °C	Flue gas temperature at connection	
12 Pa	14 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	Min. draught at connection	
< 1500 mg/Nm ³	< 1500 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	CO emission	
< 75 mg/Nm ³	< 75 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	Dust emission	
1st level BlmSchV**	1st level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	Compliance, standards	
elevating	elevating	elevating	hinged	hinged	elevating	hinged	elevating	hinged	elevating	hinged	Door closure	
240 kg	350 kg	175 kg	250 kg	250 kg	250 kg	318 kg	318 kg	324 kg	324 kg	332 kg	Weight	
Single glazing	Single glazing	Single glazing	Double glazing + IR	Double glazing + IR	Double glazing + IR	Single glazing	Single glazing	Double glazing + IR	Double glazing + IR	Double glazing + IR	Glazing	

Blind frame with a depth of 5 cm and an upstand of 3.0 cm to match any model, in 3-sided or 4-sided versions, can be ordered optionally.
 * Version test for heat recovery section: please ask your stove fitter
 ** Federal Ordinance for Pollution Control
 *1 additionally tested for heat recovery section
 *2 additionally tested with low output – values on request

Note: Mini Z1 H₂O, Mini Z1 H₂O XL, Varia 1V H₂O XS, Varia 1V H₂O XL and Varia 1V H₂O XXL are also available in RLU (for room airsealed operation) – DIBt certified.

Technical data

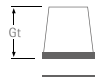


Installation examples

Fireplace insert

Top view

Panel arrangement



	no illust	no illust	no illust	no illust	no illust	page 34	page 35	
	Varia 1Vh H ₂ O XXL	Varia Ah H ₂ O	Varia A-FDh H ₂ O	Varia 2Lh/2Rh H ₂ O	Varia 2L/2R-55h H ₂ O	Nova F	Renova B	
Dimensions	Door width [Tb]	671	885	885	685/465	584/392	445	380
	Door height [Th]	514	438	438	512	512	510/570	510/570
	Door height [Th]	-	-	-	-	-	-	-
	Overall width [Gb]	882	1089	1089	783	666	469	404
	Overall depth [Gt]	590	629	610	632	530	738	568
	Connection height [Ah]	1403	1495	1347	1536	1575	1024	994
	Flue outlet ø	200	198	198	200	180	148/178	148/178
Performance	Nominal output	21.0 kW	10.4 kW	10.4 kW	10.4 kW	7.0 kW	10.1 kW	8.8 kW
	Thermal output range	14.7 – 27.3 kW	7.3 – 13.5 kW	7.3 – 13.5 kW	7.3 – 13.5 kW	4.9 – 9.1 kW	7.1 – 13.1 kW	6.2 – 11.4 kW
	Heat contribution to water	15.0 kW	7.2 kW	6.2 kW	5.9 kW	4.2 kW	-	-
	Efficiency	> 85 %	> 80.0 %	> 80.0 %	> 80 %	> 80 %	> 80 %	> 80 %
	Flue gas temperature at connection	240 °C	230 °C	210 °C	285 °C	230 °C	355 °C	357 °C
	Min. draught at connection	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa	12 Pa
	CO emission	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³	< 1250 mg/Nm ³
	Dust emission	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³	< 40 mg/Nm ³
Compliance, standards	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	1st + 2nd level BlmSchV**	
Info	Door closure	elevating	elevating	elevating	elevating	elevating	hinged	hinged
	Weight	332 kg	395 kg	396 kg	380 kg	204 kg	190 kg	140 kg
	Glazing	Double glazing + IR	Double glazing + IR	Double glazing + IR	Single glazing	Single glazing	Single glazing	Single glazing



Varia FDh

Technical information on page 59

Blind frame with a depth of 5 cm and an upstand of 3.0 cm to match any model, in 3-sided or 4-sided versions, can be ordered optionally.
 * Version test for heat recovery section: please ask your stove fitter
 ** Federal Ordinance for Pollution Control
 *1 additionally tested for heat recovery section
 *2 additionally tested with low output – values on request

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