



SIM

Spartherm Installation Modules



I have always been fascinated by the warmth, comfort and security of a crackling wood fire. I am passionate about providing outstanding fireplaces with the very highest levels of technology and innovation.

And because the shimmering flames of a wood fire are at the heart of your home, we place great value on exquisite design to create exceptional and unique fireplace architecture.

At Spartherm, for more than 30 years we have been driven by a burning ambition to combine the fascination of fire with modern living.





Please accept our warmest welcome

G. M. Rokossa.

Gerhard Manfred Rokossa
Founder and director



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The romance of a real wood fire.

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A man with short dark hair and a beard, wearing a white turtleneck sweater, is shown in profile from the chest up. He is sitting and looking out of a large window. The window shows a bright, snowy landscape under a blue sky. The room's interior is dimly lit, with a blueish tint. The text is overlaid on a semi-transparent dark blue rectangle in the upper right portion of the image.

Natural heat with a modern design

The taming of fire was the most important step on the way to civilisation. Our wide range of stoves, fireplace inserts and tiled stove inserts not only serves the desire for the natural warmth of a fireplace, they also provide a high level of convenience together with the highest level of safety standards. Some models can also be used to generate warm water, they can be efficiently integrated into existing heating systems. The approval of the DIBt (German Institute of Structural Engineering) shows that the units can be operated simultaneously to home ventilation systems.

Spartherm Installation Modules (SIM) are modern and compact pre-fabricated fireplaces that you can put together according to your own taste. The easy installation of the pre-fabricated and exact fitting individual components can be carried out in just one day.

Discover the wide range of options to arrange your home with a modern fireplace in an even more cosy and stylish manner!

Puristic and strong

Spartherm gives you the choice between two attractive SIM surfaces: untreated concrete or fine-grained concrete.

Each concrete cladding is unique. The untreated concrete boasts a surface full of character with air pockets that are created during production. The fine-grained concrete version features a homogeneous surface created during processing and still showing the roughness typical of concrete.

No matter which surface you decide on, both of them will dovetail seamlessly into any environment with their timeless design.

6
7



¹⁾ Untreated concrete



²⁾ Smoothed fine-grained concrete



Personalised warmth

Our concrete claddings can be painted and plastered using suitable materials. You can thus customise your SIM system according to your individual taste. Every fireplace can optionally be extended with extension modules to turn it into a room-high installation. Flue gas connections directed upwards or backwards can be realized, for 2-sided units these flue gas connections can also be directed sideways. The choice depends on the on-site circumstances and your wishes.

With the conversion air outlets in the top plate, our SIM systems create warmth that can be felt quickly. The broad view of the fire provides a particularly warm atmosphere which will make your home even more cosy and inviting..



An application example for creative design with the **Spartherm Installation Modules**.





*»My cocoa
tastes best
in front of the
fireplace.«*

FRONT VIEW

The joy of individualised fireplaces

Fully personalised fireplaces can be created using **Spartherm Installation Modules (SIM)**. Every SIM system enables a variety of surfaces and different chimney-insert heights. You can also choose the number of upper and lower concrete elements as well as whether to use a fire table.

10

11

SIM Mini Sh

11





SIM Mini Sh

Model SIM 1/3/Mini Sh, untreated concrete

Perfect proportions and proven technology ensure deep enjoyment of the fireplaces.



Technical data for the fireplace insert

Nominal output: 7.0 kW · Door function: elevating · Energy efficiency class: A

Optional version: inspected by DIBt, black fireclay lining · see page 42 for technical details

Installation dimensions (mm):




527

615



12

13

A photograph showing a person's arm and hand holding a newspaper. In the background, a fireplace with a warm fire is visible, creating a cozy atmosphere.

*»For those who
are unwilling
to make
compromises.«*

2-SIDED

Cosiness from every perspective

As a modern and understated material, concrete allows you to fully concentrate on the most important thing: the fire.

Concrete is therefore the ideal material for open plan living. For kitchen and family areas as well as sitting and dining areas. Wherever you are: you can experience the beauty of your open fire from every perspective and enjoy a comfortable all around warmth.

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SIM Varia 2Rh	15
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SIM Varia AS-2Rh	18-19
SIM Varia AS-2Lh	20-21
SIM Varia 2L-55h	22-23
SIM Varia 2R-55h	24-25



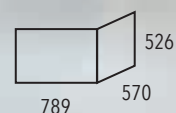
SIM Varia 2Rh

Model SIM 1/3/Varia 2Rh, fine-grained concrete

Elegantly framed. Modern concrete elements offer an understated setting which underscores the beauty of the homely fire.



Installation dimensions (mm):



Technical data for the fireplace insert

Nominal output: 11.0 kW · Door function: elevating · Energy efficiency class: **A+**

Optional version: H₂O, black fireclay lining · see page 42 for technical details

SIM Mini 2LRh

Model SIM 2/2/Mini 2LRh, untreated concrete

Compact construction. Uniform pre-fabricated elements can be integrated elegantly into every room.



16

17



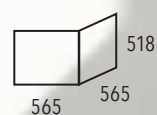
Technical data for the fireplace insert

Nominal output: 7.0 kW · Door function: elevating · Energy efficiency class: **A+**

Optional version: black fireclay lining · see page 42 for technical details



Installation dimensions (mm):



SIM Varia AS-2Rh

Model SIM 2/2/Varia AS-2Rh, untreated concrete

Personal freedom. The SIM systems blend into my room design just as well as free standing units. All pre-fabricated cladding units do fully cover device and installation parts..

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Technical data for the fireplace insert

Nominal output: 7.0 kW · Door function: elevating · Energy efficiency class: A+

Optional version: black fireclay lining · see page 42 for technical details



Installation dimensions (mm):



20
21

Technical data for the fireplace insert

Nominal output: 7.0 kW · Door function: elevating · Energy efficiency class: **A+**

Optional version: black fireclay lining · see page 42 for technical details

SIM Varia AS-2Lh

Model SIM 3/2/Varia AS-2Lh, untreated concrete

Variable installation height. You can increase the height of the base so that you are always at eye level with the crackling fire.

Installation dimensions (mm):



SIM Varia 2L-55h

Model SIM 3/3/Varia 2L-55h, untreated concrete

A strong presence. Especially the room-high installation turn this SIM model into a real fire experience.

22
23

Technical data for the fireplace insert

Nominal output: 7.0 kW · Door function: elevating · Energy efficiency class: A+

Optional version: H₂O, inspected by the DIBt, black fireclay lining · see page 42 for technical details



Installation dimensions (mm):



24
25

Technical data for the fireplace insert

Nominal output: 7.0 kW · Door function: elevating · Energy efficiency class: **A+**

Optional version: H₂O, inspected by the DIBt, black fireclay lining · see page 43 for technical details

SIM Varia 2R-55h

Model SIM 1/3/Varia 2R-55h, untreated concrete

Your favourite place. Can also be installed close to combustible walls - tested in accordance with DIN EN 13240.

Installation dimensions (mm):







*»Seeing the
flames from
all sides
is heavenly.«*

3-SIDED

The focal point of home decor - your fireplace

Our fireplace inserts with a U-shaped pane will provide you with a magnificent panoramic view and optimal heat output. We offer a number of different sizes so that the magic and warmth of a crackling fireplace can always demonstrate its full effect, in both smaller and larger rooms.

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SIM Arte U-50h	29
SIM Arte U-70h	30-31
SIM Arte 3RL-60h	32-33





SIM Arte U-50h

Model SIM 2/3/T/Arte U-50h with fire table, untreated concrete

Optionally available with fire table.

Pleasant comfort and long-lasting warmth.



Technical data for the fireplace insert

Nominal output: 9.3 kW · Door function: elevating · Energy efficiency class: A+

Optional version: with fire table, black fireclay lining · see page 43 for technical details

Installation dimensions (mm):



SIM Arte U-70h

Model SIM 2/3/Arte U-70h, concrete individually plastered and painted

Give free rein to your creativity - with their neutral surface design our **SIM systems** will emphasise your personal style.

30
31

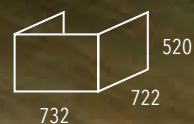
Technical data for the fireplace insert

Nominal output: 11.4 kW · Door function: elevating · Energy efficiency class: A+

Optional version: with fire table, black fireclay lining · see page 43 for technical details



Installation dimensions (mm):



SIM Arte 3RL-60h

Model SIM 1/3/T/Arte 3RL-60h with fire table, untreated concrete

Creativity in concrete.

Our SIM units with a concrete look are long-lived, timeless and modern.

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Technical data for the fireplace insert

Nominal output: 10.0 kW · Door function: elevating · Energy efficiency class: **A+**

Optional version: with fire table, black fireclay lining · see page 43 for technical details



Installation dimensions (mm):



A good feeling

Spartherm stands for high-quality stoves and fireplace inserts with both great functionality as well as a long service life thanks to the sophisticated technology.

We meet our own high demands for safety and maximised efficiency through innovations in state-of-the-art combustion technology.

Approved safety

The use of home ventilation systems might result in an excessive vacuum caused by the ventilation system itself.

The solution from Spartherm: special fireplace inserts for room air sealed operation with a high level of seal tightness, tested and approved by the Deutsches Institut für Bautechnik (DIBt).

Our fireplace inserts for room air sealed operation are designed to have any combustion system in operation supplied with combustion air from a different air system.

Your benefits:

- Safety during the parallel operation of ventilation systems and fireplaces
- Safety and approved by the competent building authorities

Fireplace inserts for room air sealed operation - a modern heating concept

In particular low-energy and passive houses are equipped with ventilation systems for the controlled 2-way ventilation of living spaces.

Spartherm has therefore developed closed flue heating fireplaces. If a closed-flue installation is not possible, Spartherm gives you the option of installing a pressure cut-off switch. You are then always on the safe side.

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Water-bearing SIM systems	36
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The Tec logo is centered within a large, dark circular graphic. The logo itself consists of the letters 'Tec' in a clean, white, sans-serif font. This text is enclosed within a rectangular border made of small white dots, creating a dotted frame effect.

Tec



SIM Varia 2Lh H₂O

Model SIM 2/3/Varia 2Lh H₂O, untreated concrete

The performance plus. Warm water for your central heating system. Warmth wherever it is needed.

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37

Technical data for the fireplace insert

Nominal output: 10.4 kW | ♦ 5.9 kW · Door function: elevating · Energy efficiency class: A+

Optional version: black fireclay lining · see page 43 for technical details

Installation dimensions (mm):



HYDRONIC SIM SYSTEMS

Multiple use of heat

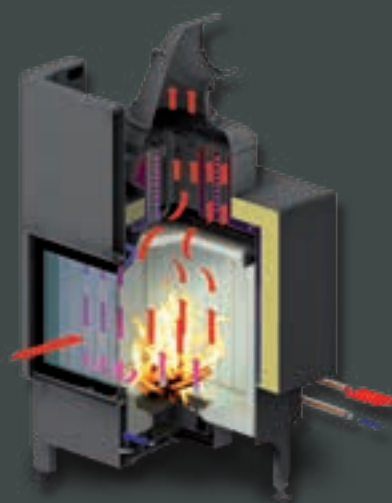
Creating heat through the combustion of wood is a CO₂-neutral alternative to oil- or gas-fired heating systems. What could be more logical than to make the most sustainable possible use of the residual heat in the exhaust gas by means of ultramodern technology?

With our SIM systems, you can also use your fireplace to heat water. The water heated by the fireplace is buffer-stored in a hot water tank and it can, for example, be used for underfloor heating. In this way, you not only get an efficient heating system that delivers a lot of heat, but you also, at the same time, get a sustainable and ecological source of hot water for your household needs.

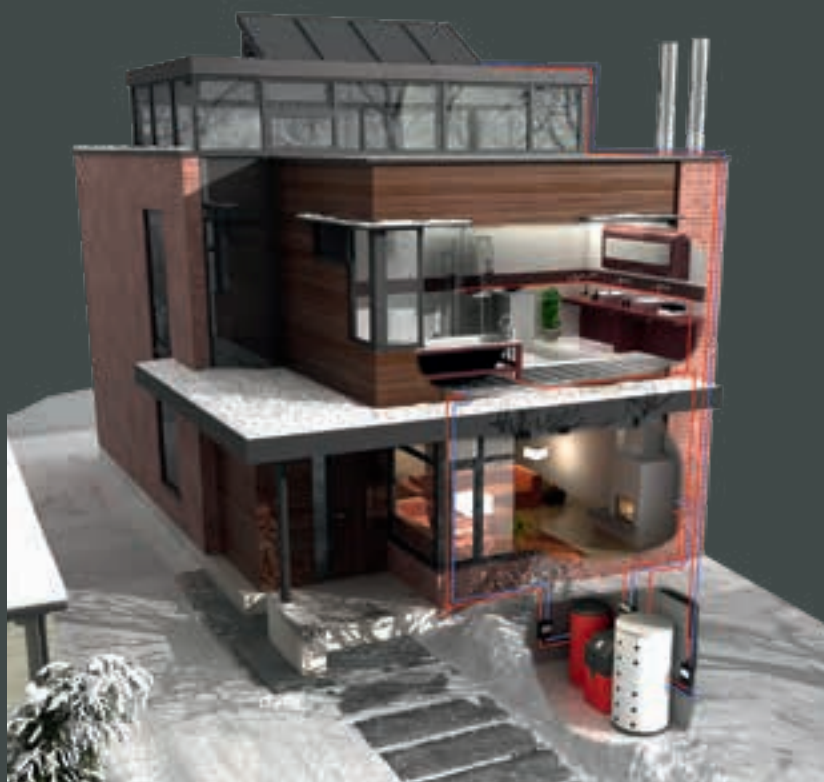
Hydronic SIM systems deliver convincing figures:

25–80 % proportion of water heating
78–86 % combustion efficiency
CO₂-neutral

Our fireplaces with H₂O technology are not just energy efficient but do not require any additional space in the room where they are installed, compared to traditional hot water or storage systems.



Sectional model of a water-backed fireplace insert



Sectional model of a water-backed fireplace insert integrated in a heating system



ACCESSORIES

At the same level with the fire

Our electronic combustion control will make sure you know what is happening in your stove at all times. Be it refuelling your stove with wood for particularly efficient combustion or an overall eco-friendly heating system with low emissions: You always have full control over your fire.

The smart solution: S-Thermatik NEO

We have developed a practical solution to ensure improved fuel usage: the S-Thermatik NEO.

By using an interactive control system via display, smartphone or tablet, you can reduce the amount of fuel required thereby cutting costs.

The S-Thermatik NEO ensures that the three important factors, fuel, temperature and air supply during the heating process are always perfectly matched. The app continuously supplies clearly laid out information on power, operating status, room temperature and SIM temperature.

This is what our combustion control can offer:

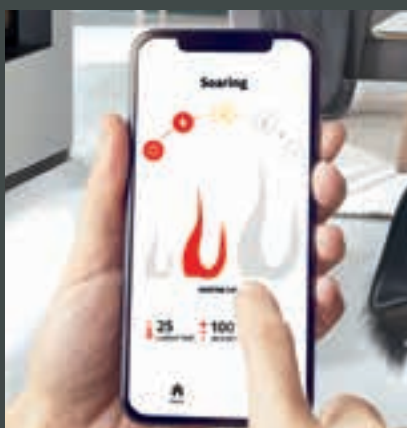
- App menu available in nine languages: German, English, Dutch, French, Italian, Spanish, Czech, Polish, Swedish
- Display of combustion status on main screen of the app and on the control display
- Visual and acoustic signal for adding more fuel
- Automatic positioning of the air control lever in the event of a power cut, heating can be continued manually
- Combination with electric window lift (SESAM 2) available
- Bluetooth connection to mobile devices; free of charge app (Android and IOS) to operate the S-Thermatik NEO via smartphone or tablet.

S-USI II

Negative pressure switching interface

The fully automatic function provides effective protection during simultaneous use of the ventilation system and the fireplace. This means constant monitoring of the pressure conditions and automatic shut-down if the ventilation system malfunctions.

Additional safety when operating and using your SIM is provided by the negative pressure switching interface. The fully automatic function provides effective protection during the simultaneous operation of ventilation systems and fireplaces. Continuous monitoring ensures, when pressure conditions are not favourable between the chimney and installation space, that the automatic room ventilation is disabled.



Just as you like it. Models for every style.

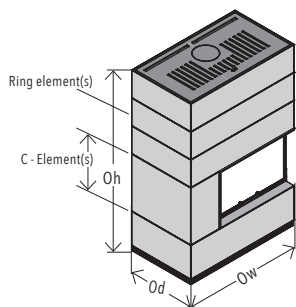
Base	SIM Mini Sh also as closed-flue	SIM Mini 2LRh	SIM Varia AS-2Lh	SIM Varia AS-2Rh	SIM Varia 2L-55h also as H ₂ O also as closed-flue	SIM Varia 2R-55h also as H ₂ O also as closed-flue	SIM Varia 2Lh also as H ₂ O
1 module	SIM 1/3/Mini Sh Height [Oh] = 1713 mm Weight = 600 kg	SIM 1/2/Mini 2LRh Height [Oh] = 1437 mm Weight = 420 kg	SIM 1/2/Varia AS-2Lh Height [Oh] = 1243 mm Weight = 490 kg	SIM 1/2/Varia AS-2Rh Height [Oh] = 1243 mm Weight = 490 kg	SIM 1/3/Varia 2L-55h SIM 1/3/Varia 2L-55h H ₂ O Height [Oh] = 1712 mm Weight = 460 kg	SIM 1/3/Varia 2R-55h SIM 1/3/Varia 2R-55h H ₂ O Height [Oh] = 1712 mm Weight = 460 kg	SIM 1/3/Varia 2Lh SIM 1/3/Varia 2Lh H ₂ O Height [Oh] = 1712 mm Weight = 520 kg
							
2 module	SIM 2/3/Mini Sh Height [Oh] = 1918 mm Weight = 634 kg	SIM 2/2/Mini 2LRh Height [Oh] = 1642 mm Weight = 470 kg	SIM 2/2/Varia AS-2Lh Height [Oh] = 1508 mm Weight = 540 kg	SIM 2/2/Varia AS-2Rh Height [Oh] = 1508 mm Weight = 540 kg	SIM 2/3/Varia 2L-55h SIM 2/3/Varia 2L-55h H ₂ O Height [Oh] = 1917 mm Weight = 500 kg	SIM 2/3/Varia 2R-55h SIM 2/3/Varia 2R-55h H ₂ O Height [Oh] = 1917 mm Weight = 500 kg	SIM 2/3/Varia 2Lh SIM 2/3/Varia 2Lh H ₂ O Height [Oh] = 1917 mm Weight = 560 kg
							
3 module	SIM 3/3/Mini Sh Height [Oh] = 2183 mm Weight = 682 kg	SIM 3/2/Mini 2LRh Height [Oh] = 1907 mm Weight = 520 kg	SIM 3/2/Varia AS-2Lh Height [Oh] = 1773 mm Weight = 590 kg	SIM 3/2/Varia AS-2Rh Height [Oh] = 1773 mm Weight = 590 kg	SIM 3/3/Varia 2L-55h SIM 3/3/Varia 2L-55h H ₂ O Height [Oh] = 2182 mm Weight = 540 kg	SIM 3/3/Varia 2R-55h SIM 3/3/Varia 2R-55h H ₂ O Height [Oh] = 2182 mm Weight = 540 kg	SIM 3/3/Varia 2Lh SIM 3/3/Varia 2Lh H ₂ O Height [Oh] = 2182 mm Weight = 600 kg
							

Optional extension modules are available for all SIM models to allow for a room-high installation.

The colour and surface structure may vary due to the concrete casting process. Every Spartherm Installation Module is thus a one-off.


SIM Varia 2Rh also as H ₂ O	SIM Arte U-50h		SIM Arte U-70h		SIM Arte 3RL-60h	
		optional fire table		optional fire table		optional fire table
SIM 1/3/Varia 2Rh SIM 1/3/Varia 2Rh H ₂ O Height [Oh] = 1712 mm Weight = 520 kg	SIM 1/3/Arte U-50h Height [Oh] = 1706 mm Weight = 585 kg	SIM 1/3/T/Arte U-50h Height [Oh] = 1758 mm Weight = 600 kg	SIM 1/3/Arte U-70h Height [Oh] = 1706 mm Weight = 830 kg	SIM 1/3/T/Arte U-70h Height [Oh] = 1759 mm Weight = 865 kg	SIM 1/3/Arte 3RL-60h Height [Oh] = 1706 mm Weight = 690 kg	SIM 1/3/T/Arte 3RL-60h Height [Oh] = 1759 mm Weight = 720 kg
						
SIM 2/3/Varia 2Rh SIM 2/3/Varia 2Rh H ₂ O Height [Oh] = 1917 mm Weight = 560 kg	SIM 2/3/Arte U-50h Height [Oh] = 1911 mm Weight = 620 kg	SIM 2/3/T/Arte U-50h Height [Oh] = 1963 mm Weight = 635 kg	SIM 2/3/Arte U-70h Height [Oh] = 1911 mm Weight = 885 kg	SIM 2/3/T/Arte U-70h Height [Oh] = 1964 mm Weight = 920 kg	SIM 2/3/Arte 3RL-60h Height [Oh] = 1911 mm Weight = 730 kg	SIM 2/3/T/Arte 3RL-60h Height [Oh] = 1964 mm Weight = 760 kg
						
SIM 3/3/Varia 2Rh SIM 3/3/Varia 2Rh H ₂ O Height [Oh] = 2182 mm Weight = 600 kg	SIM 3/3/Arte U-50h Height [Oh] = 2176 mm Weight = 665 kg	SIM 3/3/T/Arte U-50h Height [Oh] = 2228 mm Weight = 680 kg	SIM 3/3/Arte U-70h Height [Oh] = 2176 mm Weight = 940 kg	SIM 3/3/T/Arte U-70h Height [Oh] = 2229 mm Weight = 975 kg	SIM 3/3/Arte 3RL-60h Height [Oh] = 2176 mm Weight = 770 kg	SIM 3/3/T/Arte 3RL-60h Height [Oh] = 2229 mm Weight = 800 kg
						

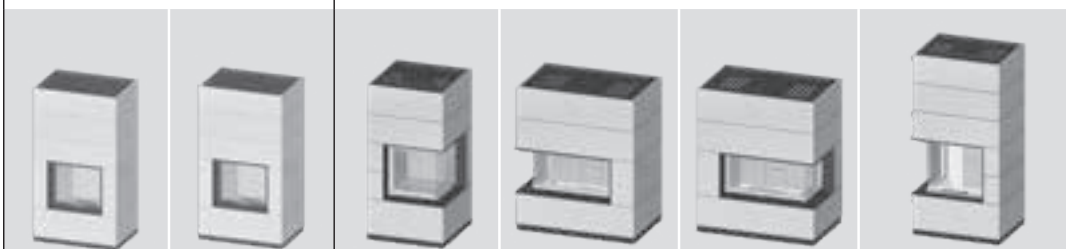
Technical data



Images show units with **one** base module only.

 Front view

 2-sided



SIM – Spartherm Installation Modules			SIM Mini Sh	SIM Mini Sh RLU	SIM Mini 2LRh	SIM Varia AS-2Lh	SIM Varia AS-2Rh	SIM Varia 2L-55h / H ₂ O / RLU		
Dimensions	Installation dimension height	mm	527	527	518	384	384	526		
	Installation dimensions width	mm	615	615	565	829	829	683		
	Installation dimension depth	mm	-	-	565	457	457	491		
	Overall width [Ow]	mm	938	938	719	1022	1022	834		
	Overall depth [Od]	mm	650	650	719	650	650	638		
	Flue pipe Ø	mm	180	180	180	200	200	180		
Operating performance	Energy efficiency class		A	A	A+	A+	A+	A+		
	Nominal output	kW	7.0	7.0	7.0	7.0	7.0	7.0	7.0 4.2	7.0
	Thermal output range	kW	4.9 – 9.1	4.9 – 9.1	4.9 – 9.1	4.9 – 9.1	4.9 – 9.1	4.9 – 9.1		
	Efficiency	%	> 78	> 78	80	80	80	> 80	> 85	> 80
	Mass flow of flue gas	g/s	8.8	8.8	6.2	6.6	6.6	6.1	7.4	6.1
	Flue gas temperature at connection	°C	290	290	343	311	311	325	230	325
	Min. supply pressure at connection	Pa	14	14	12	11.5	11.5	12		
	Level 2 BImSchV [Ordinance in the Implementation of the Federal Emission Control Act]		✓	✓	✓	✓	✓	✓		
	15a BVG (Austria)		✓	✓	✓	✓	✓	✓		
	Tested in accordance with DIN EN 13240 (as stove)		✓	✓	-	-	-	-		
Info	Door function		elevating	elevating	elevating	elevating	elevating	elevating		
	Weight of the fireplace insert	kg	175	175	199	199.5	199.5	222	384	222
	Dry weight C-Element*	kg	37	37	20	42	42	23		
	Dry weight ring element small	kg	49	49	32	41	41	38		
	Dry weight ring element high	kg	61	61	42	-	-	48		
	Dry weight fire table	kg	-	-	-	-	-	-		

💧 = hydronic

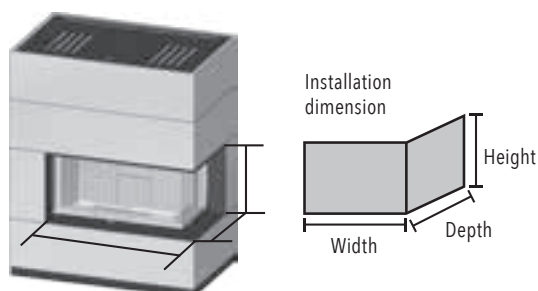
**C elements are concrete elements required for surrounding fireplace inserts.

Information about the overall height and weight of the corresponding versions can be found on the overview.










Presentation of installation dimensions:

The installation dimensions are the outer dimensions of the visible fireplace insert area when installed.

Example:



3-sided

																	
SIM Varia 2R-55h / H ₂ O / RLU			SIM Varia 2Lh / H ₂ O			SIM Varia 2Rh / H ₂ O			SIM Arte U-50h			SIM Arte U-70h			SIM Arte 3RLh-60		
526			526			526			520			520			520		
683			789			789			732			732			832		
491			570			570			522			722			370		
834			1000			1000			720	880		720	880		820	980	
638			780			780			900	980		1300	1380		795	867	
180			200			200			200			200			200		
A+			A+			A+			A+			A+			A+		
7.0	7.0 4.2	7.0	11.0	10.4 5.9		11.0	10.4 5.9		9.3			11.4			10.0		
4.9 – 9.1			7.7 – 14.3	7.3 – 13.5		7.7 – 14.3	7.3 – 13.5		6.5 – 12.1			8.0 – 14.8			7.0 – 13.0		
> 80	> 85	> 80	80	> 80		80	> 80		80			> 80			> 80		
6.1	7.4	6.1	9.6	10.8		9.6	10.8		8.6			11.2			10.5		
325	230	325	330	285		330	285		310			296			270		
12			12			12			12			12			12		
✓			✓			✓			✓			✓			✓		
✓			✓			✓			✓			✓			✓		
–			–			–			✓			✓			✓		
elevating			elevating			elevating			elevating			elevating			elevating		
222	384	222	270	367		270	367		235			342			264		
23			30			30			18			23			20		
38			48			48			42			54			42		
48			59			59			52			65			50		
–			–			–			30			36			27		

Please find information about fire safety in the SIM setup installation instructions

Special feature of 3-sided SIM units:

These units were tested according to DIN EN 13240 (as stoves) and may be installed in front of flammable walls or walls requiring protection without any additional measures such as insulation/brick lining or similar!



Expert quality and consulting

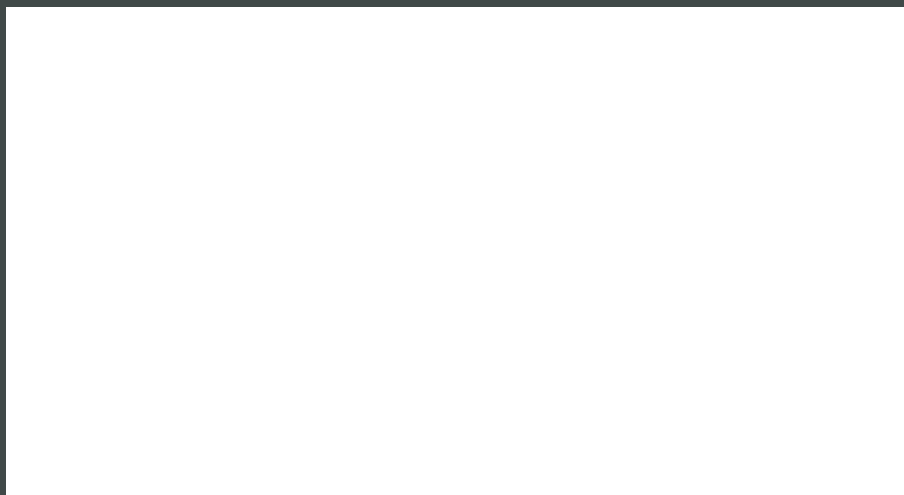
As a market leader in fireplace inserts, we focus on more than just convincing technology and excellent design. When we choose our partners, we also demand high-quality consulting, well-founded expertise and perfect craftsmanship. This dedication, finesse and attention to detail will make your Spartherm fireplace insert an exclusive piece. Our partners will be glad to support you in every step from consulting through planning to final installation.

For more information about our fireplace inserts and our retail and craft partners, visit www.spartherm.com/en/dealer-search





Your specialist dealer



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 www.youtube.com/sparthermgermany

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