

LINEAR  
CREATIVE  
DESIGNS



# LINEAR – CREATIVE DESIGNS

The linear form, the modern design and perfect technology are the hallmarks of the Spartherm fireplaces. Insert series Linear means clear contours without dominating, because the fireplace insert should highlight the fire – not the other way around. Ultimate functionality with stylish, modern elegance has always been and still is our guideline. Allow yourself to be inspired by our products and ask yourself: "How linear are my lines?"

## Fireplace inserts

	Straight	3 - 14
	Double sided	15 - 17
	L-shape straight	18 - 21
	U-shape straight	22 - 29
	Technology	31 - 45

# MAR



A r t e X h



V a r i a A h

Only the one who crosses boundaries gains more space, and only the one who overcomes the ordinary can enjoy the extraordinary.

FREEDOM ALL ALONG THE LINE



V a r i a M - 6 0 h



V a r i a M - 1 0 0 h

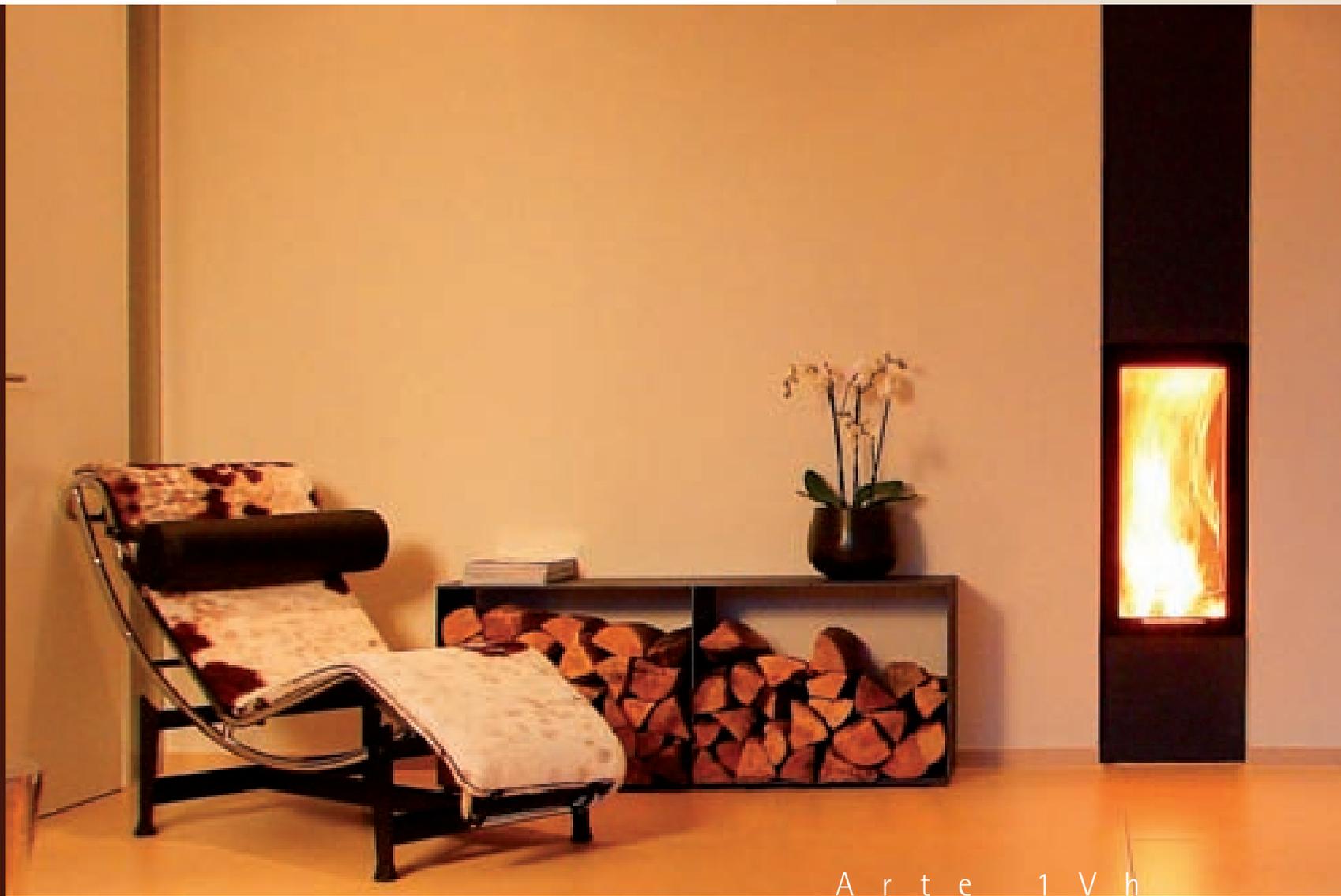


V a r i a 1 V h



A r t e 1 V h

The interplay of shape and colour is particularly simple with living rooms in the "hue-within-hue" style with LINEAR inserts.



A r t e 1 V h



M i n i S - F D h

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

Antoine de Saint-Exupéry



A r t e B h



V a r i a A h



V a r i a B h

CLEAR SHAPES –  
ABSOLUTELY LINEAR



V a r i a S h



V a r i a B - 1 2 0 h



V a r i a E h

# BOLD DESIGN FOR INDIVIDUAL LIVING



A r t e W h





V a r i a B - F D h

Two-way fireplaces of a special kind: "Two" fireplaces in one room.  
Greater freedom, greater benefit, greater living comfort.

# REVIEW OF THE ENTIRE LINE



V a r i a B - F D h



Quelle: Schöner Wohnen

MANY - SIDED EMOTIONS – DIAGONALLY ALSO

# COSY AND VERY TRANSPARENT



M i n i 2 L R h



V a r i a 2 L - 1 0 0 h

STYLISH,  
HARMONIOUS,  
PLEASANT DESIGN





V a r i a C h



V a r i a C h

# PLAYING WITH SIZE AND STRENGTH



A r t e 3 R L - 6 0 h





A r t e 3 R L - 8 0 h

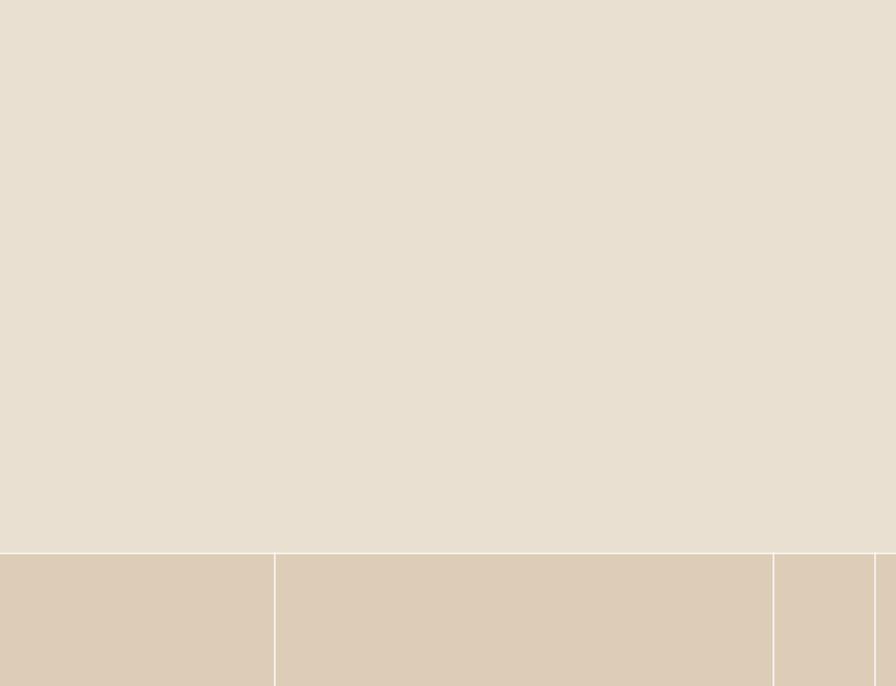


A r t e 3 R L - 1 0 0 h

TRUE ELEGANCY COMBINED  
WITH HIGH PERFORMANCE



A r t e 3 R L - 1 0 0 h



A r t e U - 7 0 h



A r t e U - 5 0 h



A r t e U - 9 0 h



V a r i a 1 V H<sub>2</sub>O

# ENVIRONMENTALLY-FRIENDLY TECHNOLOGY



MAXIMUM ENERGY EFFICIENCY AND HEALTHY ENVIRONMENTAL AWARENESS



-  Water heated storage technology
-  Heated storage technology
-  Clean air technology



# WATER HEAT STORAGE TECHNOLOGY

IMAGINE YOUR HOT WATER COMING OUT OF THE CHIMNEY!

Many houses use electricity, oil or gas to warm rooms. That's a good reason for us to present you with as many beneficial and environmentally-friendly alternatives as possible.

There is a wide range of water heating options, whether in the form of the attachable Aquabox or storage fireplace inserts. And with these environmentally-friendly "warm water dispensers", you'll also be protecting the environment.

"Environmental protection is and will continue to be the main task we all must set ourselves" – Angela Merkel (German Chancellor)



# AQUABOXES

## – THE VARIABLE HEAT USE

The **Aquaboxes** are primarily distinguished by their flexibility through additional uses in numerous fireplace inserts of varying geometries. Similar to the water-bearing fireplace inserts, the ascending smoke gases from the chimney are used by the Aquaboxes to heat the flowing water, and re-integrate it into the heating circuit.

In this way you'll be supporting your hot water production and at the same time heating other rooms.

The facts are thus clear: You'll save electricity, oil or gas, and save money.



# AQUABOX



Fireplace insert and assembled Aquabox  
(Schematic diagram only)

### YOUR BENEFITS:

**+ applicable on 40 fireplace inserts**

(Building authority approval by DIBt  
No. Z-43.31-198)

**+ Water-side effectiveness approx.**

**25-40% of the nominal heat capacity**

- + no bothersome cleaning- or maintenance covers
- + Cleaning through the combustion chamber
- + 10.5L capacity (small Aquabox)
- + 13.5L capacity (large Aquabox)
- + Does not require much space
- + Environmentally-friendly
- + Lower energy costs

# H<sub>2</sub>O

## - THE ALTERNATIVE HEAT USE



Fireplace inserts are veritable power plants. The H<sub>2</sub>O fireplace inserts are supplied with a elevating or hinged door, and are equipped with an integrated water jacket heat exchanger for integration into the heating system. This combines exclusive design with innovative technology. A high degree of water effectiveness (50-80%) satisfies all needs, yet still provides a full fire experience. The patented thermal discharge safety device with gravity circulation protects against possible hazards in the event of a power cut. The H<sub>2</sub>O fireplace inserts ensure consistent heat removal.

In normal operation, the heat exchanger transports the heating water through a return pipe with circulation pump. It is then heated in the side water compartments and in the actual exhaust gas heat exchanger until it leaves the fireplace insert through the supply pipe and is fed into the heating network.



Varia 1V H<sub>2</sub>O XL fireplace insert  
(Schematic diagram only)

Quantity of wood	Water heating capacity					
	elevating or hinged door					
	Mini Z1 H <sub>2</sub> O	Mini Z1 H <sub>2</sub> O XL	Varia 1V H <sub>2</sub> O	Varia 2Lh/2Rh H <sub>2</sub> O	Varia 1V H <sub>2</sub> O XL	Varia 1V H <sub>2</sub> O XXL*
2 kg	5,6 kW	-	-	-	-	-
3 kg	8,4 kW	8,7 kW	5,2 kW	5,9 kW	7,0 kW	7,8 kW
4 kg	-	11,5 kW	6,9 kW	7,9 kW	9,4 kW	10,4 kW
5 kg	-	-	8,6 kW	9,8 kW	11,7 kW	13,0 kW
6 kg	-	-	-	-	-	15,6 kW

\* This device is subject to the BImSchV in Germany; Nominal heat capacity > 15 kW (22 kW).  
Inspection on site by the district master chimneysweep.

- Water heating capacity for:
  - Varia 1V H<sub>2</sub>O 50%
  - Varia 1V H<sub>2</sub>O **XL** 69%
  - Varia 1V H<sub>2</sub>O **XXL** 73%
  - Varia 2Lh/Rh H<sub>2</sub>O 57%
  - Mini Z1 H<sub>2</sub>O 78%
  - Mini Z1 H<sub>2</sub>O **XL** 80%
 of the applied output
- Patented safety components which prevent overheating
- Elevating or hinged door

# H<sub>2</sub>O

## - THE ALTERNATIVE HEAT USE

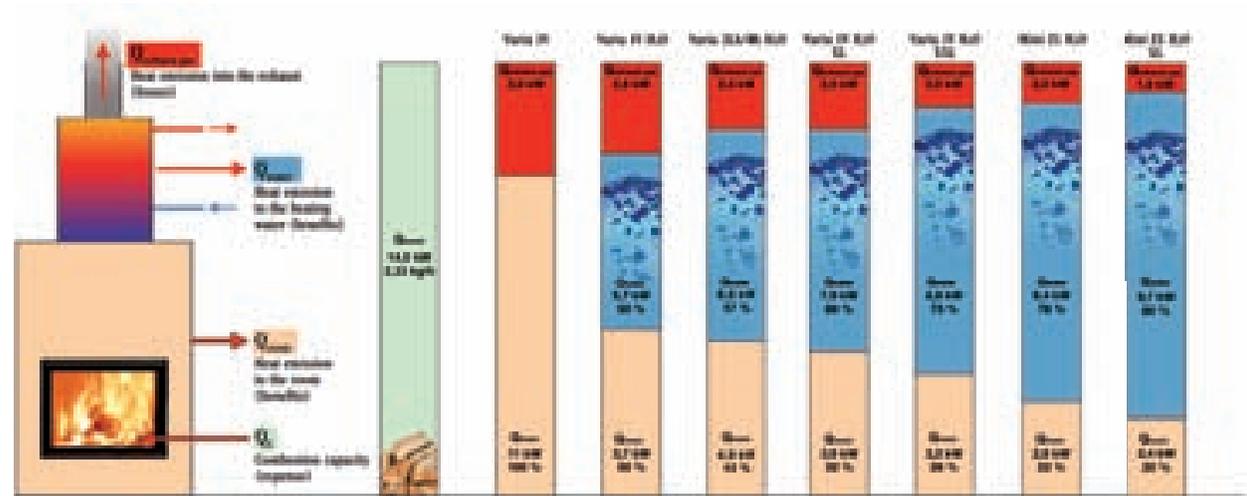
The **Mini Z1 H<sub>2</sub>O** is particularly suitable for the usage in a low-energy passive house, as only 20% of the heat output is emitted into the equipment room.

The **Mini H<sub>2</sub>O** models and all **XL** and **XXL** variants are equipped with a combination of double-glazing and IR reflective surfacing. This reduces direct heat emission to the equipment room and prevents leakage of precious energy. The increased combustion chamber temperature (water jacket insulation) will also allow you to improve combustion economics and increase the water heating percentage.



Fireplace insert Varia 1V H<sub>2</sub>O XL

## POSSIBLE POWER DISTRIBUTION





# HEAT STORAGE TECHNOLOGY

IMAGINE YOUR CHIMNEY BEING ABLE TO RETAIN HEAT!

We all love to have a warm home. But higher energy make us increasingly feel of loosing money, and this requires our ideas to extract the best for you with little expense.

Our heat storage products provide a complete new possibility for heat storage. The Thermoboxes and Helix offer optimum flexibility with maximum benefit.

Highly compressed, fired storage material is used as a thermal mass in your chimney system. During firing, the heat is stored there to be slowly re-emitted after the fire has been extinguished.

In this way, you can noticeably reduce your power costs, and protect the environment at the same time!

## THERMOBOXES – THE REASONABLE HEAT USE

The **Thermoboxes** are fixtures filled with Magnetherm S, which use the rising hot smoke gases for heating, to then gradually emit warmth.

Because of their compact size they do not need much space, are quickly assembled, and are affordable alternatives to storage rings.

### YOUR BENEFITS:

- + applicable on 40 fireplace inserts
- + Up to 7.5 hours of heat storage
- + Lower power costs
- + Environmentally-friendly
- + Affordable
- + Quick to assemble



Fireplace insert and assembled Thermobox

# Helix ( )

## – THE MODULAR HEAT USE

**Helix** (Greek = coil, spiral) offers what is probably the most unique heat storage solution ever offered for our fireplace inserts. The hot smoke gases wind through the Helix, generating excellent heat emissions to the thermal mass, and therefore a long-lasting, consistent emission to the equipment room.

Everything is possible here – from 4 standardised sets to individual calculation of the smoke gas length and therefore of the accumulator.



### THE HELIX IS DISTINGUISHED BY:

- + Useable on 40 fireplace inserts
- + Lower power costs
- + Individual definition of the smoke gas length
- + Cleaning by the combustion chamber
- + Low resistance during initial combustion. The heating gases are regulated 100% through the accumulator.
- + tension-free heat transfer
- + Quick assembly
- + Environmentally-friendly

### INDIVIDUAL DESIGN OPTIONS:

- |                                       |                              |
|---------------------------------------|------------------------------|
| • Construction height                 | from 56.5 cm - to 94 cm      |
| • Thermal masses                      | from 117 kg - to 203 kg      |
| • Smoke gas temperature reductions    | from 200 °C - to max. 300 °C |
| • Outlet either on top or on the side |                              |

# MAGNETHERM N1 & N2

## – THE COMFORTABLE HEAT USE

The area of usage of **Magnetherm** storage stones N1 and N2 includes hot air systems, accumulator/hot air combi-systems, hypocaust systems, or closed systems.

The stones are distinguished by their high density and mass (2.8 kg/dm<sup>3</sup> – similar to soapstone).

The more thermal mass surrounding your fireplace insert, the more heat can be stored. The custom-fit groove and tongue system allows the Magnetherm stones to be arbitrarily combined with one another, whereby the most diverse angles and curves in the body of the chimney can be achieved.



### YOUR BENEFITS:

- + Up to 10 hours of heat storage
- + Lower energy costs
- + Environmentally-friendly
- + Affordable

<sup>1</sup> Installation of approx. 400 kg of Magnetherm stones and

<sup>2</sup> Hourdis brick sheeting for hot air circulation.

<sup>3</sup> Fireplace insert with assembled Thermobox.

<sup>4</sup> Filling the accumulator box with Magnetherm granulate materials.

<sup>5</sup> Shell construction of rebuilt Thermobox.

<sup>6</sup> Finished system with heat-dispensing hypocaust wall. Operated either as a hot air system with hot air grills or as a closed accumulator system.

# CLEAN AIR TECHNOLOGY



## CLEAN AIR FOR MORE QUALITY OF LIFE



Fuel in the form of wood has the priceless advantage of being renewable, locally available, and CO<sup>2</sup>-neutral. However, there is still the same problem as for most combustion processes: Exhaust gases and sooty particles are generated.

Modern Spartherm fireplace inserts comply with the strict regulations of the BImSchV (Federal emissions protection act) and may, if this act is passed according to the current status, be operated without time restrictions. It is not Spartherm's philosophy to just fulfil limit values. We want to look ahead innovatively 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 therefore contributes to keeping our breathing air clean – an important concern for us and a step towards a cleaner future for you and your children.

### YOUR BENEFITS:

- + No change to the smokestack system
- + >60% reduction in exhaust gas dust particles up to a nominal heat output of 15kW
- + temperature-controlled on-off switch for the filter
- + Compatible with more than 30 models



# THE CHOICE IS YOURS

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



4S = 4-sided version

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



Version 4S

Elegant: Slim, brushed stainless steel handle.



3S = 3-sided version

The 3S version has 3-sided printed glass ceramics, the bottom glass side is without frame.



Version 3S

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

# SURFACES AND TECHNICAL DETAILS



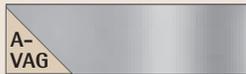
Standard  
(Black)



Avantgarde  
(Chrome shiny)



Avantgarde matt  
(Chrome matt)



Avantgarde VAG  
(Stainless steel, brushed)



Easy-handle for glass cleaning. For quick opening  
without tool – in only 5 seconds.



... the glass is easy to clean this way.



Minimal space between door and running  
mechanism like a shadow gap.

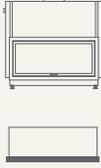
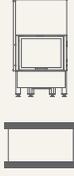
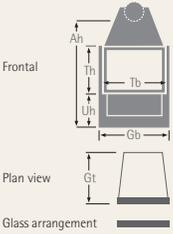


The SoftClose Sliding Mechanism, for which the patent is pending,  
for an optimal all-round, equal contact pressure on the body.

# TECHNICAL DATA

Built-in examples	no illust.	page 6	page 11							
Fireplace insert	Mini R1V	Mini R1Vh	Mini Z1/Z1*	Mini S	Mini Sh	Speedy 1V/1V*	Speedy 1Vh	Varia 1V	Varia 1Vh	Varia Sh
Frontal										
Plan view										
Glass arrangement										
Nominal heat output	6 kW	6 kW	7/10 kW	7 kW	7 kW	9/10 kW	9 kW	11 kW	11 kW	11 kW
Door width [Tb]	443	441	443	598	606	673	671	673	671	746
Door height [Th]	510/570	573	510/570	510	513	510/570	513/573	510/570	453/513/573	623
Door height [Th]	-	-	-	-	483	-	-	-	443/503/563	593
Total width [Gb]	540	560	540	700	740	770	790	760	780	900
Total depth [Gt]	463	485	588	423	440	528	570	558	580	520
Connection height [Ah]	1025/1085	1085	1275/1335	1180	1180	1235/1295	1235/1295	1295/1355	1235/1295/1355	1305
Smoke tube Ø	160	160	180	180	180	200	200	200	200	200
Base height [Uh]	375	375	375	185	185	375	375	375	375	185
Base height [Uh]	-	-	-	-	215	-	-	-	385	215
Door function	hinged	elevating	hinged	hinged	elevating	hinged	elevating	hinged	elevating	elevating
Weight	approx 150 kg	approx 170 kg	approx 160 kg	approx 185 kg	approx 205 kg	approx 180 kg	approx 200 kg	approx 200 kg	approx 220 kg	approx 280 kg

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.

										
page 4	page 10	page 12	page 5	no illust.	page 5	page 7	page 8	page 3	no illust.	
Varia Ah	Varia Bh	Varia B-120h	Varia M-60h	Varia M-80h	Varia M-100h	Arte 1Vh	Arte Bh	Arte Xh	Mini S-FDh	Fireplace insert
										
11 kW	11 kW	13 kW	7 kW	9 kW	11 kW	8 kW	11 kW	10 kW	7 kW	Nominal heat output
881	1006	1206	606	806	1010	396	656	990	606	Door width [Tb]
438	523	523	517	517	517	803	803	-	513/573	Door height [Th]
428	493	493	-	-	-	-	793	660	483	Door height [Th]
1015	1150	1410	700	900	1100	515	785	1160	746	Total width [Gb]
610	495	485	475	475	475	570	515	710	583	Total depth [Gt]
1115	1305	1305	1450	1450	1450	1430	1390	1485	1165/1225	Connection height [Ah]
200	250	250	200	200	200	180	200	250	200	Smoke tube Ø
375	185	185	375	375	375	295	245	-	375	Base height [UH]
385	215	215	-	-	-	-	255	130	405	Base height [UH]
elevating	elevating	elevating	elevating	elevating	elevating	elevating	elevating	elevating	elevating	Door function
approx 240 kg	approx 350 kg	approx 430 kg	approx 250 kg	approx 280 kg	approx 300 kg	approx 220 kg	approx 260 kg	approx 430 kg	approx 200 kg	Weight

\*tested for heat recovery area

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.

# TECHNICAL DATA

Built-in examples	no illust.	no illust.	page 15	page 16	no illust.	no illust.	page 19	page 18	page 20	page 23
Fireplace insert	Varia FD	Varia FDh	Varia A-FDh	Varia B-FDh	Arte X-FDh	Mini 2L/2R	Mini 2LRh	Varia 2Lh/2Rh	Varia 2L/2R-100h	Varia Ch
Frontal										
Plan view										
Glass arrangement										
Nominal heat output	11 kW	11 kW	11 kW	11 kW	10 kW	7 kW	7 kW	11 kW	11 kW	9 kW
Door width [Tb]	673	671	881	1006	990	452/452	465/465	685/465	1000/410	320/650/320
4S Door height [Th]	510/570	513/573	438	523	-	495/555	500/560	510/570	520	540
8S Door height [Th]	-	503/563	428	493	660	-	-	-	-	-
Total width [Gb]	750	775	1015	1210	1200	510	560	780	1060	685
Total depth [Gt]	626	648	598	668	680	510	520	590	505	635
Connection height [Ah]	1265/1325	1265/1325	1235	1305	1515	1250/1310	1250/1310	1320/1380	1335	1370
Smoke tube Ø	250	250	250	250	300	180	180	200	250	250
4S Base height [Uh]	375	375	375	185	-	385	385	375	375	370
8S Base height [Uh]	-	385	385	215	130	-	-	-	-	-
Door function	hinged	elevating	elevating	elevating	elevating	hinged	elevating	elevating	elevating	elevating
Weight	approx 240 kg	approx 240 kg	approx 325 kg	approx 375 kg	approx 450 kg	approx 160 kg	approx 180 kg	approx 240 kg	approx 340 kg	approx 250 kg

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.



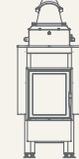
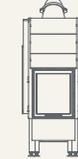
page 28	page 28	page 29	page 24	page 25	page 26	page 13	no illust.	page 14	no illust.
Arte U-50h	Arte U-70h	Arte U-90h	Arte 3RL-60h	Arte 3RL-80h	Arte 3RL-100h	Varia Eh	Varia BEh	Arte Wh	Mini Z1 H <sub>2</sub> O

9 kW	11 kW	13 kW	7,5 kW	9,0 kW	11 kW	11 kW	11 kW	11 kW	7 kW	Nominal heat output
500/500/500	710/500/710	910/555/910	370/600/370	525/800/525	450/1000/450	755	1020	1035	443	Door width [Tb]
540	540	540	570	570	570	510	510	510	510	Door height [Th]
-	-	-	-	-	-	-	-	-	-	Door height [Th]
630	1015	1215	640	840	1040	856	1180	1170	650	Total width [Gb]
510	540	595	525	555	595	550	550	490	643	Total depth [Gt]
1340	1320	1320	1560	1560	1560	1095	1245	1540	1535	Connection height [Ah]
200/250	200/250	200/250	200/250	200/250	200/250	250	250	250	180	Smoke tube Ø
265	265	265	375	375	375	185	185	375	385	Base height [Uh]
-	-	-	-	-	-	-	-	-	-	Base height [Uh]
elevating	hinged	Door function								
approx 246 kg	approx 375 kg	approx 464 kg	approx 321 kg	approx 351 kg	approx 400 kg	approx 250 kg	approx 350 kg	approx 342 kg	approx 220 kg	Weight

\*tested for heat recovery area

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.

# TECHNICAL DATA

Built-in examples										
	no illust.	no illust.	no illust.	page 30	no illust.	page 30	no illust.	no illust.	no illust.	no illust.
Fireplace insert	Mini Z1h H <sub>2</sub> O	Mini Z1 H <sub>2</sub> O XL	Mini Z1h H <sub>2</sub> O XL	Varia 1V H <sub>2</sub> O	Varia 1Vh H <sub>2</sub> O	Varia 1V H <sub>2</sub> O XL	Varia 1Vh H <sub>2</sub> O XL	Varia 1V H <sub>2</sub> O XXL	Varia 1Vh H <sub>2</sub> O XXL	Varia 2Lh/2Rh H <sub>2</sub> O
Frontal										
Plan view										
Glass arrangement										
Nominal heat output	7 kW	10 kW	10 kW	11 kW	11 kW	14,6 kW	14,6 kW	22 kW	22 kW	14,7 kW
Door width [Tb]	441	443	441	670	671	673	671	673	671	465/685
Door height [Th]	513	510	513	510	513	510	513	510	513	510
Door height [Th]	-	-	-	-	-	-	-	-	-	-
Total width [Gb]	650	650	650	760	786	890	890	890	890	805
Total depth [Gt]	669	643	669	620	640	624	576	624	567	613
Connection height [Ah]	1535	1535	1535	1465	1465	1470	1470	1470	1470	1540
Smoke tube Ø	180	180	180	180	180	200	200	200	200	200
Base height [Uh]	385	385	385	375	375	375	375	375	375	375
Base height [Uh]	-	-	-	-	-	-	-	-	-	-
Door function	elevating	hinged	elevating	hinged	elevating	hinged	elevating	hinged	elevating	elevating
Weight	approx 240 kg	approx 220 kg	approx 240 kg	approx 250 kg	approx 285 kg	approx 310 kg	approx 310 kg	approx 320 kg	approx 320 kg	approx 320 kg

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.



For years Spartherm has manufactured products in accordance with the highest quality requirements and can thus provide the stamp of quality as guarantee for the best materials and for perfect workmanship as is the case also in LINEAR-inserts. SPARTHERM – THE FIRE COMPANY.



V a r i a F D h



Your specialist dealer:

