

Our products

Air/water / Ground source heat pumps



Simply heat. No compromises.



Air



Ground
source

alpha innotec is one of the pioneers in heat pump technology. We have been designing solutions for sustainable heating since 1998. What began back then continues to define us today: our commitment to developing technology that works in everyday life. No experiments. Just systems that have proven their worth. And which we are constantly refining – to meet the demands of tomorrow.

We firmly believe that virtually all buildings – from detached houses to residential estates and industrial complexes – can be heated and cooled comfortably, efficiently and cleanly by harnessing natural energy from the air, ground and water.

We're not just a heat pump manufacturer – we're a companion for specialist companies and people. With personal contacts and practical training. With service and solutions that make everyday life easier. Because for us, partnership means approachability and trust – and walking the path together instead of just delivering technology.

Intelligent heat pump solutions for every project size and requirement



Single-family
homes



Multi-family homes



Multi-story apart-
ment buildings,
district heating



Industry and
large-scale
projects



New builds



Renovation
and replacement

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and control



alpha innotec / ait-deutschland / ait-Academy in Kasendorf, Bavaria



Born of a pioneering spirit. Made for reliability.

We are heat pump pioneers. As one of the first manufacturers, we're known for our decades of experience, technical expertise and quality. Developed and produced in Germany, our heat pumps deliver what matters: Heat that specialists and families can rely on.

Overview

Air/water heat pumps

Air/water heat pump Indoor installation



	LWCV 9	LWV9
		
	NEU	NEU
Recommended total building power requirement	8 - 11 kW	8 - 11 kW
Cascadable up to	—	—
Cooling	✓	✓
Heating water temperatures	up to +75 °C	up to +75 °C
Inverter-driven	✓	✓
Home Energy Management System	✓	✓
Connectivity: myUplink 	✓	✓
heatpump24 	✓	✓
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extended warranty
up to 10 years
with IBN 10+

Air/water heat pump Outdoor installation



Hybrox	Hybrox SE
	
4 - 21 kW	4 - 14 kW
84 kW (Hybrox 21)	90,4* kW
✓	✓
up to +78 °C	up to +75 °C
✓	✓
✓	✓
✓ ✓	✓ —
8-13	14

The ideal combination for every application: Heat pump and indoor unit perfectly matched.

Our indoor units offer the right solution for a range of requirements. The range extends from compact wall-mounted controllers and hydraulic modules to hydraulic stations. Depending on the model, varying numbers of components are already integrated, enabling solutions ranging from simple entry-level units to comprehensive complete systems.



Wall-mounted controller

Wall controller with integrated heating controller for controlling the heat pump.

Ideal for use in existing systems with existing hydraulic components* (e.g. electrical rod, expansion vessels, etc.) that are to continue to be used.

available for _____

Hybrox 5-16 / WR
Hybrox 21 / WR 21
Hybrox SE-series / HPC 40
Paros / WR 4
LWV / WR 2.1-1/3



Hydraulic module

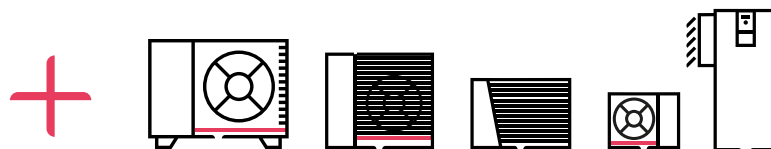
The combination unit houses the wall-mounted controller with an integrated heating controller for controlling the heat pump, as well as the basic hydraulic components, all within a single housing.

A practical solution for existing storage units and accessories* that are to be reused.

available for _____

Hybrox 5-16 / HV 6H, HV 9H
LWAV(+), LWV / HV 9H, HV 12H
Paros / HV 4

*Compatibility and condition must be checked.



HSV 280TP



HSV 180 / 280



HT 7

Hydraulic tower/ Hydraulic station

Complete package comprising a wall-mounted controller and a hydraulic module, plus the appropriate storage tank.

Ideal if there isn't much space available for the heater.

Minimal pipework required, straightforward integration and connection to the end-users.

available for

Hybrox 5-16 / HSV 180, HSV 280, HSV 280TP

Hybrox SE-series / HT 7

LWAV(+), LWV / HSV 9M1/3, HSV 12.1M3

Paros / HSV 4

More information about the devices can be found at:

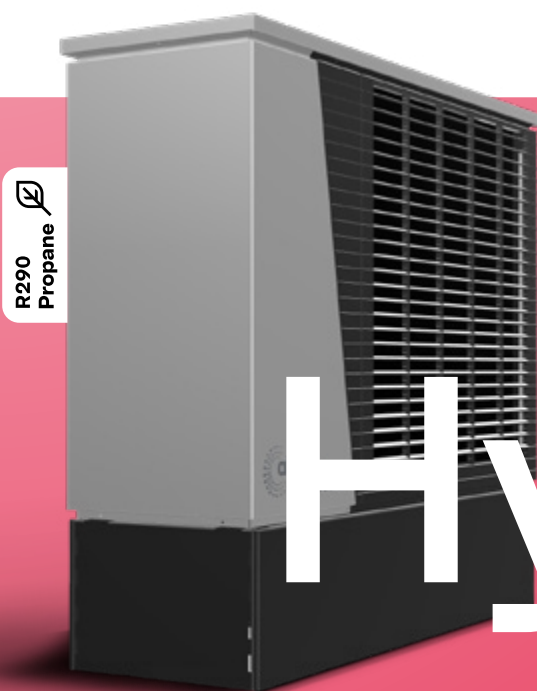


Hydraulic module



Hydraulic tower

 air/water



Hybrox

5
+
8



Single-family
homes



New build,
renovation
and replacement



Outdoor
installation



Floor-standing
or wall-mounted
installation



Refrigerant
Propane R290



Heating and
domestic hot water
up to 70 °C



Active cooling
up to 18 °C



Cascade
up to 4 devices



Inverter-driven



Plug & Play
installation



6 different
hydraulic
indoor units

The specialist for new buildings – quiet, efficient and easy to install.

The Hybrox 5 and 8 air/water heat pumps benefit from our over 20 years of experience with the natural refrigerant propane R290 – for environmentally friendly heating in winter and highly efficient cooling in summer.

Thanks to the commissioning assistant, matched hydraulic indoor units, and pre-assembled connection sets, the installation is particularly easy – and the monobloc design means no Refrigerant Handling Certificate is required.

Hybrox 5 + 8



R290 Propane

Cooling included

Dimensions*
w x h x d:
1320 x 510 x 930 mm

Weight:
122 kg (Hybrox 5)
133 kg (Hybrox 8)

The benefits at a glance:

- Environmentally friendly: natural refrigerant R290 propane
- Heating, cooling and domestic hot water up to 70 °C
- Large output range from 1,16 kW to 36 kW heating output (cascade) with bei A-7/W35
- Inverter-driven – modulating heating and cooling mode
- Flexible hydraulic integration
– up to 6 different hydraulic indoor units available
- Quick and easy to install with pre-assembled connection sets and commissioning assistant
- Extensive accessories available
- Compact monoblock design
- Sound-optimised for use in densely built-up residential areas (Silent Mode)
- Smart Grid ready, BACnet and Modbus-TCP capable, integrated Webserver heatpump24
- Bivalent integration possible in combination with wood, oil or gas
- Top quality “Made in Germany”

Can be combined with alpha innotec indoor units:



Wall-mounted controller
Luxtronik 2.1



Hydraulic module
HV 6H / HV 9H



Hydraulic station
HSV 180 / HSV 280



Hydraulic station
HSV 280 TP

Device	Performance data				
	Heating capacity		COP	Cooling capacity/efficiency	Sound power level
	A-7/W35 min./max. [kW]	A2/W35 min./max. [kW]	A2/W35 partial load	A35/W18 partial load [kW]/EER	outdoor [dB(A)]
Hybrox 5	1,16 / 5,41	1,82 / 5,50	4,12	3,75 / 4,20	45
Hybrox 8	1,93 / 7,30	2,73 / 7,60	4,20	5,39 / 4,26	46

Energy efficiency labelling		
Energy efficiency of space heating	in combination with controller	
A+++ up to D at 35 °C	A+++ up to D at 55 °C	A+++ up to G at 55 °C
A+++	A++	A++
A+++	A++	A++

All information on heat output and COP in accordance with EN 14 511. All information on sound power level in accordance with DIN EN 12102-1. *Housing dimensions only



Hybrox



Multi-family homes



New build,
renovation
and replacement



Outdoor
installation



Refrigerant
Propane R290

11



16



Heating and
domestic hot water
up to 78 °C



Active cooling
up to 7 °C
(with WR)



Cascade
up to 4 devices



Inverter-driven



Plug & Play
installation



3 different
hydraulic
indoor units

The heat pump for renovation projects, offering power and flexibility

Oil or gas heating out, Hybrox heat pump in? Absolutely! Thanks to the efficient and environmentally friendly refrigerant propane (R290), flow temperatures of up to 78 °C can be achieved. Even at -22 °C and a flow temperature of 65 °C, the appliances with 10 or 13 kW heating output do not need to switch on a heating element and can warm up almost any building of advancing years.

Hybrox 11 + 16



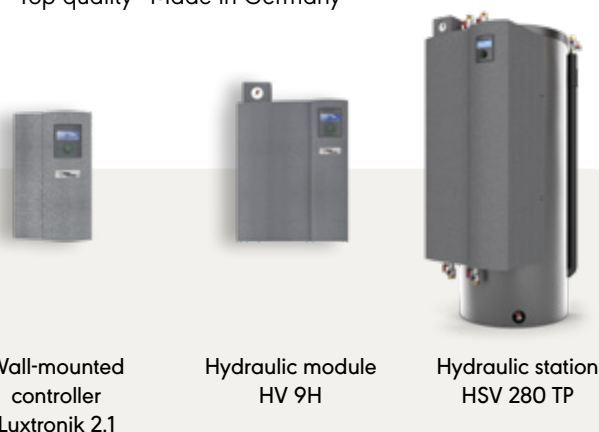
Dimensions*
w x h x d:
1330 x 645 x 1240 mm

Weight:
170 kg (Hybrox 11)
189 kg (Hybrox 16)

The benefits at a glance:

- + Environmentally friendly: natural refrigerant R290 propane
- + Heating, cooling and domestic hot water up to 78 °C
- + Cascade connection with up to 4 devices and up to approx. 52 kW building heating load possible
- + Inverter-driven – modulating heating and cooling mode
- + Flexible hydraulic integration
– up to 3 different hydraulic indoor units available
- + Quick and easy to install with pre-assembled connection sets and commissioning assistant
- + Extensive accessories available
- + Compact monoblock design (no Refrigerant Handling Certificate is required)
- + Sound-optimised for use in densely built-up residential areas (Silent Mode)
- + Smart Grid ready, BACnet and Modbus-TCP capable, integrated Webserver heatpump24
- + Suitable for radiators due to high flow temperature
- + Top quality “Made in Germany”

Can be combined with alpha innotec indoor units:



Wall-mounted controller
Luxtronik 2.1

Hydraulic module
HV 9H

Hydraulic station
HSV 280 TP

Device	Performance data				
	Heating capacity		COP	Cooling capacity/ efficiency	Sound power level
	A-7/W35 min./max.	A7/W35 min./max.	A7/W35 (min.)	A35/W18 partial load	outdoor
	[kW]	[kW]		[kW]/EER	[dB(A)]
Hybrox 11	3,57 / 9,41	2,97 / 10,0	5,04	8,62 / 4,45	49
Hybrox 16	4,74 / 13,0	5,47 / 13,0	5,68	8,20 / 4,52	46

All information on heat output and COP in accordance with EN 14 511. All information on sound power level in accordance with DIN EN 12102-1. *Housing dimensions only

Energy efficiency labelling		
Energy efficiency of space heating		in combination with controller
A+++ up to D at 35 °C	A+++ up to D at 55 °C	A+++ up to G at 55 °C
A+++	A+++	A+++
A+++	A+++	A+++

 air/water



Hybrox



Multi-story apartment buildings, industry and large-scale projects



New build and renovation



Outdoor installation



Refrigerant Propane R290



Heating and domestic hot water up to 78 °C



Active cooling up to 7 °C



Cascade up to 4 devices



Inverter-driven

21



Plug & Play installation

Designed specifically for apartment blocks, large-scale renovation projects and commercial applications, the Hybrox 21 delivers outstanding efficiency, powerful performance and maximum flow capacity.



With the Hybrox 21, alpha innotec offers a solution for large buildings: from multi-family homes, hotels and public facilities to commercial and industrial premises. The Hybrox 21 is suitable for new-build and renovation projects that demand the highest efficiency, flexible application options and maximum eligibility for funding. This high-performance heat pump not only provides cosy warmth in winter, but also ensures pleasant temperatures in summer thanks to its active cooling function.

Hybrox 21 - The future of energy-efficient heating technology for apartment buildings, commercial and industrial properties.

The benefits at a glance:

- + Environmentally friendly: natural refrigerant R290 propane
- + Heating, cooling and domestic hot water up to 78 °C
- + Cascade connection with up to 4 devices and up to approx. 84 kW building heating load possible
- + Inverter-driven – modulating heating and cooling mode
- + Hydraulic connection: Easily accessible connections underneath the unit and on the rear of the housing
- + Compact monoblock design (no Refrigerant Handling Certificate is required)
- + Flexible installation and transport
- can be handled by crane, forklift or pallet truck
- + Extensive accessories available
- + Smart Grid ready, BACnet and Modbus-TCP capable, integrated Webserver
- + Top quality "Made in Germany"

Can be combined with alpha innotec indoor unit:



Wall-mounted controller WR 21

Device	Performance data										Energy efficiency labelling	
	A-7/W 35 max.			A2/W35 partial load			A7/W35 min.			Cooling capacity/efficiency	Room heating	
	Heating capacity	Power consumption	COP	Heating capacity	Power consumption	COP	Heating capacity	Power consumption	COP	A35/W18 partial load	Sound power level	
	[kW]	[kW]		[kW]	[kW]		[kW]	[kW]		[kW]/EER	outside	
Hybrox 21	18	6.11	2.95	11.8	3.08	3.83	7.15	1.35	5.31	10.16 / 4.72	52.5	

All information on heat output and COP in accordance with EN 14 511. All information on sound power level in accordance with DIN EN 12102-1. *Housing dimensions only **All technical specifications are provisional and may be subject to minor changes prior to series production.

Hybrox SE

5-14



Single-family
home



New build



Outdoor
installation



wall-mounted
installation
possible



Refrigerant
Propane R290



Heating and
domestic hot water
up to 75 °C



Active cooling
up to 7 °C
(with WR)



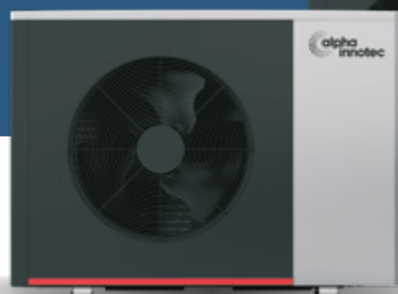
Cascade
up to 8 devices



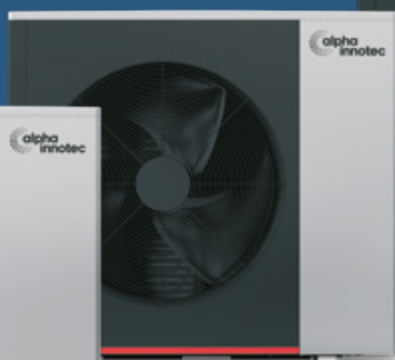
Inverter-driven



2 different
hydraulic
indoor units



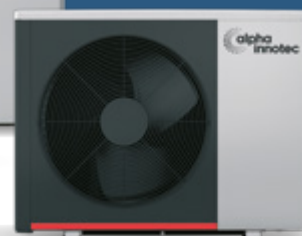
Hybrox SE 8



Hybrox SE 11



Hybrox SE 14



Hybrox SE 5

R290
Propane 

Hybrox SE

– the heat pump without compromise, but with a clear focus on the essentials

Hybrox SE is the smart choice for households that prioritise efficiency, environmental friendliness and quality – with a clear focus on excellent value for money. Featuring a simplified controller and a functional design, Hybrox SE offers the proven technology of the Hybrox series in a standard format optimised to the essentials.

The compact, inverter-driven air/water heat pumps in the Hybrox SE series are available in four output sizes. They are among our most intelligent units and have been specially designed for use in detached homes. An efficient control system regulates the indoor climate and automatically adapts to the home's energy requirements throughout the year.

Can be combined with alpha innotec indoor units:



Hybrox SE



Dimensions* w x d x h:
 915 x 354 x 720 mm (Hybrox SE 5)
 1204 x 384 x 892 mm (Hybrox SE 8)
 1204 x 384 x 1103 mm (Hybrox SE 11)
 1204 x 384 x 1397 mm (Hybrox SE 14)

Weight:
 68 kg (Hybrox SE 5) 121 kg (Hybrox SE 11)
 96 kg (Hybrox SE 8) 148 kg (Hybrox SE 14)

The benefits at a glance:

- Environmentally friendly: natural refrigerant R290 propane
- Heating, cooling and domestic hot water up to 75 °C
- Cascade connection with up to 8 devices and up to approx. 112 kW building heating load possible
- Inverter-driven – modulating heating and cooling mode
- Compact monoblock design (no Refrigerant Handling Certificate is required)
- Extensive accessories available
- Smart Grid ready and Modbus-TCP capable, integrated Webserver myUplink
- Top quality "Made in Europe"

Device	Performance data					
	Heating capacity		COP	Cooling capacity/efficiency	Sound power level	Phases
	A-7/W35 max.	A2/W35 Teillast	A-7/W35 partial load	A35/W18 partial load	outdoor	
	[kW]	[kW]		[kW]/EER	[dB(A)]	
Hybrox SE 5	4,29	3,55	2,53	5,28 / 4,19	49	1
Hybrox SE 8	7,48	5,97	2,57	8,39 / 3,80	53	1
Hybrox SE 11	9,19	7,08	2,85	11,88 / 4,05	53	3
Hybrox SE 14	11,40	9,52	2,72	15,30 / 4,31	51	3

All information on heat output and COP in accordance with EN 14 511. All information on sound power level in accordance with DIN EN 12102-1. *Housing dimensions only

Energy efficiency labelling	
Energy efficiency of space heating	
A+++ up to D at 35 °C	A+++ up to D at 55 °C
A+++	A++
A+++	A++
A+++	A+++
A+++	A+++

 air/water

R290
Propane 

LWW

R290
Propane 

+

LWCV



Single family home



New build,
renovation and
replacements



Indoor installation



Refrigerant
Propane R290



Heating and
domestic hot water
up to 75 °C



Active cooling
up to 7 °C



Inverter-driven



Plug & Play
installation

9

Quick to install, quiet and compact: perfect for indoor installation.

Thanks to its well-thought-out modular design, the heat pump is easy to transport and install. Prefabricated components and a flexible air duct system make installation considerably easier – even narrow doors or tight stairwells are no obstacle.

The power-controlled heat pump automatically adjusts its output to the current energy requirements. On warm summer days, the integrated cooling function ensures a comfortable indoor climate, for example via the connected underfloor heating.

With its sound-insulated casing and Silent Mode for night-time operation, the heat pump runs particularly quietly and is therefore ideal for densely built-up residential areas.

LWV 9 + LWCV 9



Dimensions* w x d x h:
845 x 790 x 1420 mm (LWV 9)
845 x 790 x 1880 mm (LWCV 9)

Weight**:
165 kg (LWV 9) 258 kg (LWCV 9)

The benefits at a glance:

- + Environmentally friendly: natural refrigerant R290 propane
- + Heating, cooling and domestic hot water up to 75 °C
- + Lightweight and compact design, innovative transport concept for the LWCV
- + Inverter-driven – modulating heating and cooling mode
- + Flexible hydraulic integration – up to 6 different hydraulic indoor units available for the LWV9 available
- + Extremely flexible in terms of setup
- + Very low noise emissions
- + Can be combined with photovoltaic systems
- + Separating buffer tank (LWCV), for the optional integration of a mixed/unmixed heating circuit
- + Top quality “Made in Germany”

LWV can be combined with alpha innotec indoor units:



Device	Performance data											Energy efficiency labelling	
	A-7/W 35 max.			A2/W35 partial load			A7/W35 min.			Cooling capacity/efficiency	Sound power level	Room heating	
	Heating capacity	Power consumption	COP	Heating capacity	Power consumption	COP	Heating capacity	Power consumption	COP	A35/W18 partial load	outside	A+++ up to D at 35 °C	A+++ up to D at 55 °C
	[kW]	[kW]		[kW]	[kW]		[kW]	[kW]		[kW]/EER	[dB(A)]		
LWCV 9	8.20**	-	3.1**	4.8**	-	4.1**	2.8**	-	5.0**	5.0** / 2.8**	49**	A+++	A++
LWV 9	8.20**	-	3.1**	4.8**	-	4.1**	2.8**	-	5.0**	5.0** / 2.8**	49**	A+++	A++

All information on heat output and COP in accordance with EN 14 511. All information on sound power level in accordance with DIN EN 12102-1. *Housing dimensions only **All technical specifications are provisional and may be subject to minor changes prior to series production.

Overview

Ground source heat pumps

Ground source heat pump Indoor installation

	WZSV 63	SWCV 63
		
Recommended total building power requirement	3 – 6 kW	3 – 17 kW
Cascadable up to	—	—
Cooling	✓	✓
Heating water temperatures	up to +75 °C	up to +75 °C
Inverter-driven	✓	✓
Home Energy Management System	✓	—
Connectivity: myUplink 	✓	✓
heatpump24 	✓	✓
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10 Jahre
Garantieverlängerung
mit der IBN 10+



Subrox 8-18



Subrox 60



SWP



7-18 kW

ca. 60 kW

26-68 kW



up to +70 °C

up to +70 °C

up to +70 °C



24

26

28

 Ground source



WZSV

R290
Propane



Single-family
homes



New build,
renovation and
replacements



Indoor installation



Refrigerant
Propane R290



Heating and
domestic hot water
up to 75 °C



Passive cooling



Inverter-driven

63

Geothermal energy of the next generation

Elegant, space-saving and quiet – the WZSV 63 combines the advantages of our successful WZSV heating centres with the future-proof R290 refrigerant. The low fill quantity of R290 refrigerant ensures trouble-free installation of the ground source heat pump – without the need for complex exhaust air piping or safety equipment that requires extensive maintenance.

Hot water storage, cooling (K variant) and comprehensive hydraulics are already integrated, guaranteeing quick and smooth installation. The cooling box can be removed for transport – making installation of the heat centre a quick process. The integrated electric anode makes the system particularly low-maintenance – ensuring a long service life with minimal effort.

The extended source temperature range allows the use of various heat sources such as ground probes and ground collectors, groundwater, ice storage, waste water or PVT collectors.

With its small footprint of less than half a square metre, the WZSV 63 fits into any corner.



Dimensions* w x d x h:
598 x 670 x 1850 mm

Weight:
223 kg (WZSV 63H1/3M) (Modulbox 70 kg)
230 kg (WZSV 63K1/3M) (Modulbox 70 kg)

The benefits at a glance:

- + Environmentally friendly: natural refrigerant R290 propane
- + Heating, cooling and domestic hot water up to 75 °C
- + 178 l Domestic hot water tank already included
- + Extremely compact and space-saving
- + Inverter-driven – modulating heating and cooling mode
- + Extended source temperature range from -13 °C to +30 °C
- + Convenient service via the front
- + No exhaust ducting required (low refrigerant charge)
- + Very low noise emissions
- + Passive cooling (natural cooling)
- + Easy to transport and assemble
- + Removable cool box for transport
- + Top quality “Made in Germany”

Device	Performance data			
	Heating capacity	COP	Cooling capacity/ efficiency	Sound power level
	B0/W35 min./max. [kW]	B0/W35 partial load	B10/W18 partial load [kW]/EER	indoor [dB(A)]
WZSV 63H1/3M	0,68 / 6,00	4,66	-	40
WZSV 63K1/3M	0,68 / 6,00	4,66	4,10	40

All information on heat output and COP in accordance with EN 14 511. All information on sound power level in accordance with DIN EN 12102-1. *Housing dimensions only

Energy efficiency labelling	
Room heating	
A+++ up to D at 35 °C	A+++ up to D at 55 °C
A+++	A+++
A+++	A+++



SWCV



Single-family homes



New build, renovation and replacements



Indoor installation



Refrigerant Propane R290



Heating and domestic hot water up to 75 °C



Passive cooling



Inverter-driven

63

Flexible, sustainable and versatile

Elegant, compact and quiet – the SWCV 63 is the logical evolution of our popular SWCV series, now featuring the natural refrigerant R290. The low refrigerant charge ensures hassle-free installation – with no need for complex exhaust air piping.

Cooling* and comprehensive hydraulics are already integrated – for quick installation. The extended inlet temperature range allows the use of various heat sources such as ground probes and collectors, groundwater, ice storage, waste water or PVT collectors.

A wide range of options for hydraulic integration and intelligent control allow for combination with a variety of buffer, domestic hot water and multifunctional storage tanks, as well as with PV and solar thermal systems. This means the heat pump system can be tailored precisely to the requirements of the building and its occupants.

SWCV 63



R290
Propane

Cooling
included

Dimensions* w x d x h:
598 x 665 x 1500 mm

Weight:
145 kg (SWCV 63H1/3)
145 kg (SWCV 63K1/3)

The benefits at a glance:

- Environmentally friendly: natural refrigerant R290 propane
- Heating, cooling and domestic hot water up to 75 °C
- Easy installation thanks to the low refrigerant charge
- Inverter-driven – modulating heating and cooling mode
- Extended source temperature range from -13 °C to +30 °C
- Quick installation thanks to integrated hydraulics
- No exhaust ducting required (low refrigerant charge)
- Space-saving and quiet
- Energy-saving passive cooling function**
- Top quality “Made in Germany”

Device	Performance data			
	Heating capacity	COP	Cooling capacity/ efficiency	Sound power level
	B0/W35 min./max.	B0/W35 partial load	B10/W18 partial load	indoor
	[kW]		[kW]/EER	[dB(A)]
SWCV 63H1/3M	0,68 / 6,00	4,66	–	40
SWCV 63K1/3M	0,68 / 6,00	4,66	4,10	40

All information on heat output and COP in accordance with EN 14 511. All information on sound power level in accordance with DIN EN 12102-1. *Housing dimensions only **K-Variant

Energy efficiency labelling	
Room heating	
A+++ up to D at 35 °C	A+++ up to D at 55 °C
A+++	A+++
A+++	A+++

 Ground source



Subbrox

8-18

R290
Propane 



Single family home



New build,
renovation and
replacements



Indoor installation



Refrigerant
Propane R290



Heating and
domestic hot water
up to 70 °C



Passive cooling
as option



Inverter-driven

Geothermal energy in a smart combination pack

The new Subrox range impresses with its elegant, space-saving and exceptionally quiet design. Thanks to the environmentally friendly R290 refrigerant and the integrated controller with a modern touchscreen display, it is ideally equipped for the future. It is also available as an option with a 178-litre hot water tank or as a cooling variant.

The fully integrated hydraulics ensure quick, simple and hassle-free installation. The source temperature range of -8 °C to +30 °C allows the use of various heat sources such as ground probes and ground collectors, groundwater or waste water.

With its small footprint of less than half a square metre, the Subrox 8 to 18 fits into any corner.



The benefits at a glance:

- + Environmentally friendly: natural refrigerant R290 propane
- + Heating, cooling and domestic hot water up to 70 °C
- + Variants with integrated 178 l domestic hot water storage tanks available
- + Extremely compact and space-saving
- + Inverter-driven - modulating heating and cooling mode
- + Optional integrated passive cooling
- + Integrated security concept
- + Cascadable
- + Models with hydraulic components

Device	Performance data					Energieeffizienz-Kennzeichnung	
	B0 / W35.		SCOP 35 °C / 55 °C	Cooling capacity/ efficiency B10/W18	Sound power level	Space heating	
	Heating capacity min. / max. [kW]	COP [kW]				A+++ up to D at 35 °C	A+++ up to D at 55 °C
Subrox 8	1.5 / 7.9	4.8	5.72 / 4.31	9.8 (C-Variant)	38	A+++	A+++
Subrox 13	2.3 / 13.3	4.6	5.45 / 4.21	11.9 (C-Variant)	42	A+++	A+++
Subrox 18	- / 18	4.8	5.3 / 4.2	-	41	A+++	A+++

All information on heat output and COP in accordance with EN 14 511. All information on sound power level in accordance with DIN EN 12102-1. *Housing dimensions only **All technical specifications are provisional and may be subject to minor changes prior to series production.

alpha
innotec

Subbrox

R290
Propane 



Multi-family
homes, industry,
commercial



New build,
renovation and
replacements



Indoor installation



Refrigerant
Propane R290



Heating and
domestic hot water
up to 70 °C



Passive cooling
as option



Inverter-driven

60

Great performance in a small space

The power-regulated Subrox 60 impresses with its compact design combined with high performance, and its ability to be cascaded enables very high output levels.

The factory integration of many hydraulic components allows for particularly quick connection as well as space-saving installation of the Subrox 60, with a footprint of only around 60 x 66 cm.



The benefits at a glance:

- + Environmentally friendly: natural refrigerant R290 propane
- + Heating and domestic hot water up to 70 °C
- + Extremely compact and space-saving
- + Inverter-driven – modulating heating and cooling mode
- + Cascade connection with up to 8 devices and up to approx. 480 kW building heating load possible
- + Optional integrated passive cooling
- + Quick and easy installation
- + Integrated security concept
- + Can be operated using water as a heat source
- + Top quality “Made in Germany”

Device	Performance data					Energy efficiency labelling	
	B0 / W35			Cooling capacity/ efficiency	Sound power level	Space heating	
	Heating capacity min. / max.	COP partial load	SCOP 35 °C / 55 °C			A+++ up to D at 35 °C	A+++ up to D at 55 °C
	[kW]	[kW]		[kW]/EER	[dB(A)]		
Subrox 60	14.3 / 57.9	4.8	5.6 / 4.3		46,5	A+++	A+++

All information on heat output and COP in accordance with EN 14 511. All information on sound power level in accordance with DIN EN 12102-1. *Housing dimensions only **All technical specifications are provisional and may be subject to minor changes prior to series production.



SWP



Appartment
buildings and
Industry



New build,
renovation and
replacements



Indoor installation



Heating and
domestic hot water
up to 70 °C



Refrigerant
R410A
SWP 561H



Refrigerant
R134A
SWP 581 - 691



Cascade possible
SWP 581 - 691

Silent, compact and powerful for large projects.

The compact SWP brine-water heat pump provides ample heating energy for buildings with higher energy requirements, such as apartment blocks or commercial premises – whilst operating particularly quietly.

Thanks to its compact dimensions, the SWP requires very little floor space and offers great flexibility in planning: the heating system is discreetly concealed, saving valuable space. By integrating photovoltaic or solar systems, the SWP can heat even more energy-efficiently and environmentally friendly – whether in new builds or as part of a refurbishment. Thanks to special hydraulic solutions and additional components, SWP units can also cool and utilise waste heat from, for example, production machinery.



Dimensions* w x d x h: h x d:
1350 x 1009 x 1030 mm



Weight:
441 kg (SWP 581) 521 kg (SWP 561H)
484 kg (SWP 691)

Can be combined with alpha innotec indoor units:



Wall-mounted controller
WR Luxtronik 2.0

The benefits at a glance:

- + Heating, cooling and waste heat recovery up to 70 °C (H-variants, SWP 371 – SWP 691: 65 °C)
- + Compact dimensions (small footprint)
- + Sound-insulated housing
- + Direct service access via the front
- + Easy transport and connection (Can be installed through standard doors.)
- + Top quality “Made in Germany”

Device	Performance data			
	Heating capacity	COP	Cooling capacity/efficiency	Sound power level
	B0/W35	B0/W35	B15/W25 partial load	indoor
	[kW]		[kW]/EER	[dB(A)]
SWP 581	57,60	4,77	-	57
SWP 691	68,50	4,60	-	59
SWP 561H	53,80	4,50	-	59

All information on heat output and COP in accordance with EN 14 511. All information on sound power level in accordance with DIN EN 12102-1. *Housing dimensions only

Energy efficiency labelling		
Combination heater	Water heating	in combination with controller
A+++ up to D at 55 °C	A+ up to F / A+++ up to G	A+++ up to G at 55 °C
A+++	A++	A++
A+++	A++	A++
A+++	A++	A++

storage tank

This makes the heat pump even more efficient – the right storage solution for every project

Versions available

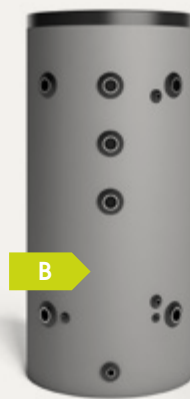
TPSK 200.2 / 470 / 1000 / 1500

TPS 200 / 500.1 / 750 / 1000 / 1500

WPS 61 / WTPSK 101



WTPSK 101



TPSK 200



TPS 750



TPSK 1500

Separating buffer tank TPS / TPSK

in-line buffer tank WTPSK / WPS 61

For heating

The buffer storage tanks, with capacities ranging from 200 to 1,500 litres, ensure minimal energy loss thanks to their high-quality thermal insulation. For specialist applications, models are available with additional vapour-diffusion-tight cold insulation, making them suitable for storage in cooling applications down to 5°C.

The wall-mounted in-line buffer tanks are the compact solution for single-source heat pump systems and are ideal for small projects where space is limited. By integrating them into the return pipe, additional heat loss can be minimised.

Details:

Separating buffer tank TPSK



TPSK 200.2



TPSK 470



TPSK 1000



TPSK 1500

Storage tank				
Installation dimensions (Ø x H in mm)	600 x 1300	740 x 1922	1060 x 2015	1160 x 2365
Tilted height in mm	1400	2050	2050	2420
Weight in kg	42	105	153	262
Nominal capacity in litres	201	470	1000	1490
Removable insulation shells	–	–	✓	✓
Removable insulation jacket	✓	✓	einzeln bestellbar	einzeln bestellbar

Separating buffer tank TPS



TPS 200



TPS 500.1



TPS 750



TPS 1000



TPS 1500

Storage tank					
Installation dimensions (Ø x H in mm)	600 x 1300	760 x 1930	910 x 2000	1010 x 2013	1500 x 2360
Tilted height in mm	1440	2080	2030	2050	2040
Weight in kg	38	111	122	132	230
Nominal capacity in litres	200	472	765	1000	1490
Removable insulation shells	–	–	✓	✓	✓
Removable insulation jacket	✓	✓	–	–	–

Wall-mounted buffer tank

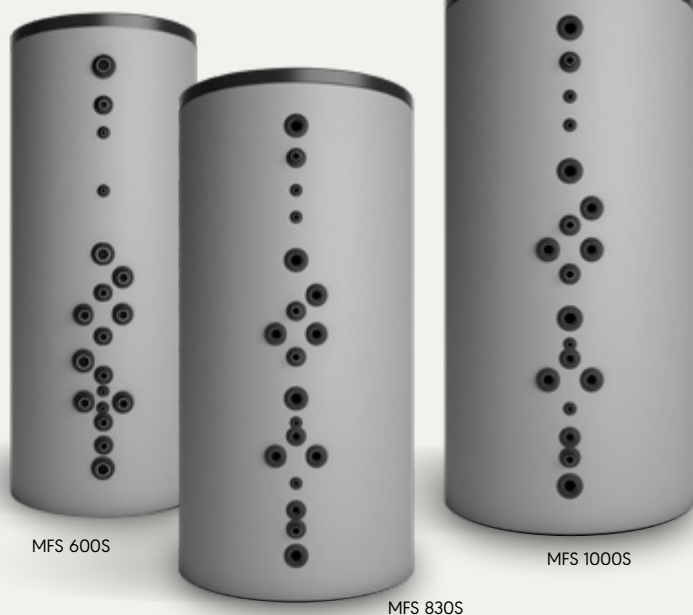


WPS 61



WTPSK 101

Storage tank		
Dimensions (Ø x H in mm)	450 x 855	584 x 820
Weight in kg	25	41
Nominal capacity in litres	60	120
Removable insulation shells	–	–



Multifunction and combined storage tank MFS / WWTPS

For heating and domestic hot water supply

With our multifunction tank, our heat pumps can be easily combined with photovoltaic or solar thermal systems. As buffer and hot water heating are integrated in one unit, there is more space available in the boiler room. Domestic hot water is produced using the hygienic continuous flow principle. This further reduces heating costs and CO₂ emissions, resulting in an optimal carbon footprint for heating.

Highlight WWTPS:

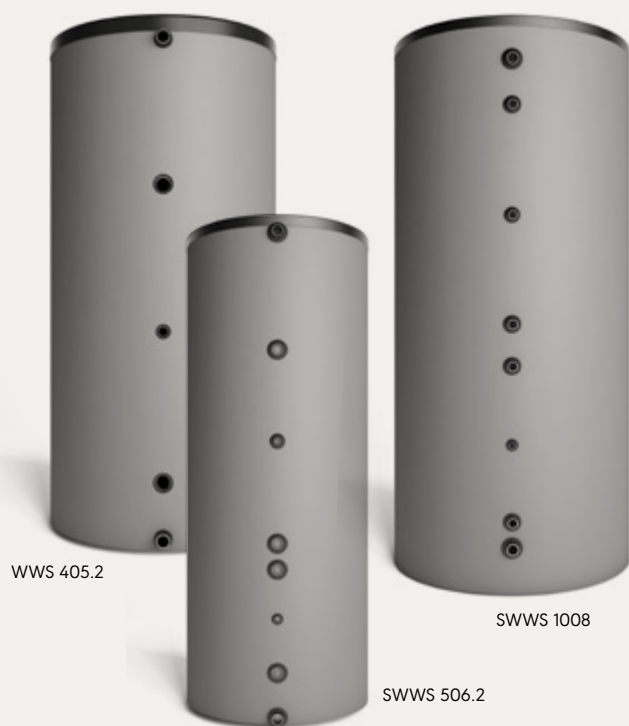
- + Low heat loss (ErP-class B)
- + Weighing just 77 kg (excluding insulation), it is a lightweight compared to conventional storage tanks
- + Removable insulation shells for easy installation
- + Flexible installation with all connections on the front panel
- + Standalone unit or battery array
- + Corrosion-free

Details:

Multifunction tank MFS

				
	MFS 600S	MFS 830S	MFS 1000S	WWTPS 500
Storage tank				
Installation dimensions (Ø x H in mm)	650 x 1865	790 x 1905	790 x 2055	677x1935
Tilted height in mm	1900	1990	2090	2070
Installation dimensions (Ø x H in mm/W x D x H in mm)	800 x 1930 with insulation	990 x 1985 with insulation	990 x 2140 with insulation	780 x 780 x 1965 with insulation
Weight in kg	140	200	230	87
Removable insulation shells	✓	✓	✓	✓
Removable insulation jacket	✓	✓	✓	-

Versions available
WWS 202 / 303.1 / 303.2 / 405.2 / 507.2
SWWS 404.2 / 506.2 / 806 / 1008



Domestic hot water tank WWS / SWWS

For domestic hot water preparation

Domestic hot water tank with straight-tube heat exchanger specially designed for heat pumps. All domestic hot water tanks are enamelled in accordance with DIN 4753, thermally insulated, equipped with a sacrificial anode and a sensor for the Luxtronik heat pump controller. The straight-tube heat exchanger with a large transfer surface ensures low pressure loss with high transfer performance.

Details:

Domestic hot water tank WWS for domestic hot water preparation

					
	WWS 202	WWS 303.1	WWS 303.2	WWS 405.2	WWS 507.2
Storage tank					
Installation dimensions (Ø x H in mm)	600 x 1350	700 x 1335	700 x 1335	750 x 1630	750 x 1960
Tilted height in mm	1400	1440	1440	1720	2030
Weight in kg	65	135	135	158	215
Nominal capacity in litres	184	276	271	339	412
Removable insulation shells	-	-	-	-	-
Removable insulation jacket	✓	✓	✓	✓	✓

Domestic hot water tank SWWS for domestic hot water preparation and solar integration

				
	SWWS 404.2	SWWS 506.2	SWWS 806	SWWS 1008
Storage tank				
Installation dimensions (Ø x H in mm)	750 x 1640	750 x 1970	990 x 1985	990 x 2185
Tilted height in mm	1720	2030	2020	2220
Weight in kg	174	209	284	254
Nominal capacity in litres	339	418	783	864
Removable insulation shells	-	-	-	-
Removable insulation jacket	✓	✓	✓	✓

360°-service-system. Before, during and after the construction site.

So that you can plan and install projects with confidence and remain fully operational at all times when providing support.

We are not just a manufacturer of heat pumps. We are your partner in everyday life. With digital tools such as our specialist partner portal myalpha, the right accessories, technical support and practical training, we support you throughout the entire project lifecycle. From the initial planning stage right through to commissioning and beyond.



→ • 1. Before the construction site

Plan with confidence. Find the right solution quickly.

A good installation starts with good planning.

With the myalpha partner portal, you have all the information and tools you need for planning and advising in one place. This means you can quickly find the right solution and start the project fully prepared.

- + Central platform for planning, design and project preparation
- + Customer acquisition - helping you boost your local visibility and attract customers
- + Geothermal energy development with Erdwärme PLUS (planning/design, preliminary geological survey, application for planning permission, documentation)
- + Training courses to improve safety during installation and commissioning



→ • 3. After the construction site

Respond quickly. Operate safely.

Once the installation is complete, business as usual resumes for the customer.

With **myalpha** and our services, you'll always be able to keep things running smoothly and give your customers added peace of mind.

Service & overview

- + Central platform for service, maintenance and system overview
- + Find documents and technical specifications quickly
- + Easily identify spare parts and request them directly
- + Clear component mapping for rapid service calls

Digital support

- + Monitor and control systems remotely
- + Access all relevant information at any time via **myalpha**

Warranty & security

- + Warranty extension up to 10 years for added security
- + Easy activation via you as a specialist partner
- + Predictable costs for your customers with no excess
- + Long-term operational reliability through tailored maintenance concepts

→ • 2. On the construction site

Easy to install. Saves time with every step.

Efficiency is key on a construction site.

That's why our systems are designed to be easily integrated
- with well-thought-out details and the right accessories.

- + Flexible installation - to suit the building layout
- + Well-designed connection solutions for quick and safe installation
- + Reduced installation effort thanks to coordinated components
- + Extensive range of accessories for hydraulics, electrics and installation
- + Intelligent transport solutions for easy handling
- + Instructional videos for installation, commissioning and much more

Digital supported.

Personal support.

Digital tools are important.
Direct contact is just as important.

- + Technical support for planning, installation and operation
- + Extensive network of service engineers for rapid on-site assistance
- + Support with project planning and system design
- + Training and further education for your day-to-day practice

Technology with approachability.

Personally connected.

alpha innotec - your partner for heat pumps with a system.

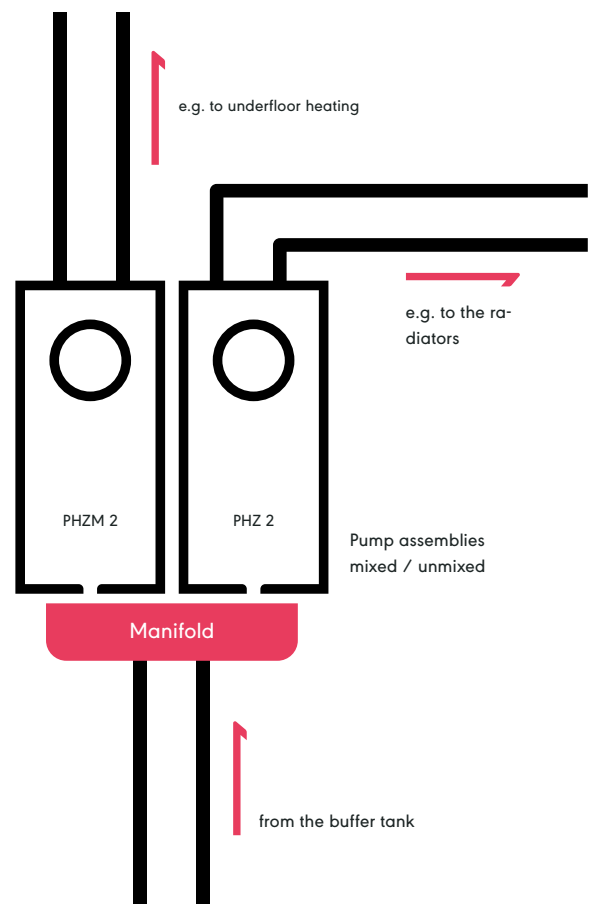
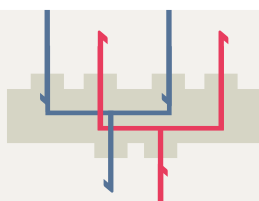
→ Product design is more than just function and appearance. Well-thought-out solutions for handling and installation.

Neatly installed. Pump assemblies 'tidied up'.

**Help with the neat installation
of more than two pump assemblies.**

The new manifold bar serves as a hydraulic extension for connecting two or three pump assemblies, either mixed or unmixed. It functions as a collection and distribution line for the flow and return, distributing them to the various heating circuits on the secondary side. The design, including insulation, is deliberately compact and clear.

Collection and distribution of
flow and return to the various
heating circuits:



The intelligent concept of the LWCV for transport and installation.



Further information on transport and connection is explained in the video.

The LWCV excels in its design thanks to maximum flexibility. Particularly impressive for indoor units: the ability to split the units into modules weighing under 100 kg. This allows the individual parts to be brought into the building using the provided transport straps. Thanks to the pre-assembled connection system, installation practically takes care of itself.



→ Easy transport

The integrated transport straps with hand loops make installation a breeze.

→ Plug-and-play connection

The pre-assembled connection system makes installation a breeze.

→ Straightforward connection

The fold-out control box allows electrical wiring to be routed horizontally.

→ Service

Easy service access from the front.



Hybrox floor foundation



Suitable for all heat pumps in the Hybrox* and Hybrox SE series

Our new floor foundation makes your job easier.

Install your heat pump yourself on a stable foundation in just a few simple steps.

With the new floor foundation for the Hybrox* and Hybrox SE series, alpha innotec is making heat pump installation even easier. You can plan and carry out the entire installation yourself, without needing any outside help – no heavy equipment, no long waiting times, no further consultation and with simple tools.

Once installed, the foundation is almost invisible and works on grass, paving or gravelled surfaces.

- + Weighs only approx. 26 kg – quick and easy to install with no heavy equipment needed
- + 100% recycled plastic
- + No dependence on service providers (e.g. GaLa-Bau), meaning fewer potential sources of error and shorter waiting times
- + UV-resistant: weather- and ageing-proof in accordance with DIN EN 131-2
- + Moisture-repellent, acid-resistant, splinter-free, rot-proof and as easy to work with as wood
- + After assembling and compacting the floor, the heat pump can be installed directly
- + Durable



Beispiel: Einbindung in eine bestehende Pflasterung



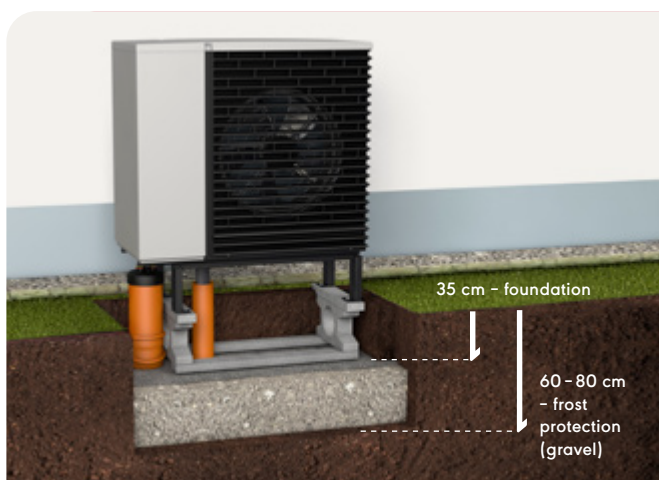
Installation is this simple: Find out more in our instruction video.





includes assembly markings for the different dimensions of the Hybrox* and Hybrox SE device series:

•	••	••	••	•
Hybrox SE 5 (650 mm)	→			
Hybrox SE 8 / 11 / 14 (850 mm)	→			
Hybrox 11 / 16 with BKS-T (890 mm)	→			
Hybrox 11 / 16 with BKS-L (1.075 mm)	→			
Hybrox 5 / 8 with BKS (1.230 mm)	→			



Quick guide to assembly in 7 steps

1. Shorten the crossbeam to fit the device (markings).
2. Assemble ground anchors and cross struts.
3. Excavate and backfill with frost protection (observe frost-free depth).
4. Compact the ground and apply a thin layer of gravel.
5. Install and level the foundation.
6. Backfill and compact (e.g. excavated earth).
7. Position the heat pump.



Our expertise. Your capital.



The heat pump market is an innovative, forward-looking sector that is constantly evolving. However, without innovation and further training, it is no longer possible to meet today's demands. We offer our partners a wide range of training and development opportunities, either directly at our own training centre, the ait-academy in Kasendorf, or with complete flexibility online.

Here, specialists in heating and cooling solutions can keep up to date, gather valuable information on funding schemes, familiarise themselves with the latest technology and refresh their knowledge of the latest trends and guidelines. In practical training sessions, our experienced trainers share their knowledge directly and on a one-to-one basis.

We would be happy to provide personalised advice on the individual courses and training programmes available at the ait Academy.

Contact: ait Academy
[E] academy@ait-deutschland.eu

→ Our most popular training modules:

Modul 1.1 /

Basic training ait heat pumps

Modul 2.1 /

Planning and design of heat pumps

Modul 4.1 / General information heat pumps

Modul 4.2 / Controller

Modul 4.3 / Maintenance information course

Modul 4.4 / Large-scale developments WSV

Modul 4.5 / R290

Modul 4.6 / Remote maintenance

Modul 4.7 / Heat pumps in renovation projects

Modul 6.1 / Data log for beginnersr

Modul 6.2 / Data logging for advanced Users

Tailored training courses and factory visits



→• You can register for English-language training courses via the national partner offices



Professional online tools for your project. A real help in your day-to-day work.

Whether you're planning new projects, maintaining existing systems, or simply looking for quick access to relevant information and documents – our portal provides you with exactly the tools and resources you need for your daily work

In addition, myalpha serves as a one-stop shop for all service-related matters, provides links to product information, and acts as an interface for the combined and automated provision of data. myalpha streamlines processes, increases transparency regarding service requests, and facilitates access to data and documents.



→ Efficient Planning & System Design

Use powerful tools for the easy and professional design of heat pump systems and receive all relevant documents in a project map. You'll also find centralized resources such as hydraulic schemes, installation plans, and much more.

→ Product Information & Documents

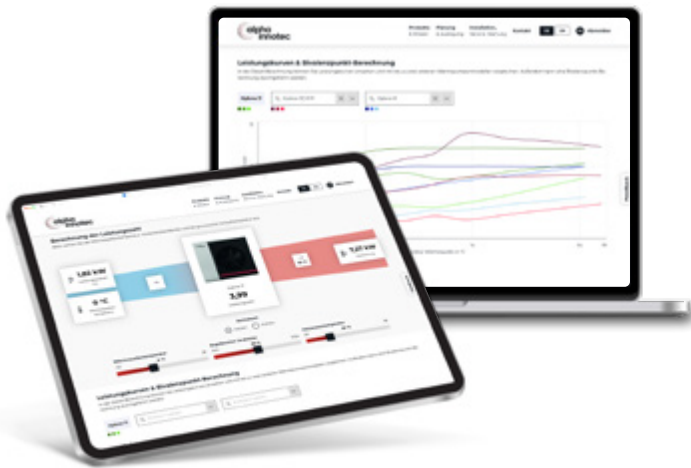
Get access to all technical documentation, data sheets, and further information about our complete product portfolio – always up to date and clearly structured.



myalpha.aitgroup.com

→ Service & Spare Parts Made Easy

Comprehensive manuals, spare part documentation, and service information for all devices are available to support you in maintenance and repair.



**Your professional support
Tools, product information
and useful facts
on the myalpha portal:**

+ Products & Knowledge

- Product Catalog
- Document Search
- Reference Systems
- ait-Academy Contact

+ Planning & Layout

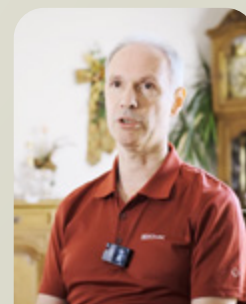
- Produkt-Finder
- Hydraulic Schemes
- alpha check
- Performance Data Calculation
- Unit / Formula / Sound Calculators
- ... and other useful tools

+ Installation, Service & Maintenance

- Document Search
- Spare Parts Search
- heatpump24 & myUplink PRO
- Videos
- Service App
- Software Download
- ... and other useful tools



[https://www.youtube.com/
@alpha_innotec](https://www.youtube.com/@alpha_innotec)



**More than just entertainment:
Useful installation tips, case studies
and guides on the
alpha innotec YouTube channel**

Smart Home und Home Energy Management System

Intelligent networking of all energy flows

- + Monitoring of energy production of the PV system and all consumption
- + Connection of inverter, smart meter, battery storage, wall box, additional electrical rods, etc. possible in conjunction with alpha innotec heat pumps
- + Controls the heat pump and other connected consumers, depending on the availability of solar power or dynamic electricity tariffs
- + Controls inverter-driven heat pumps from alpha innotec with output control, depending on the available PV surplus
- + Supported operating modes: heating, cooling, water heating and swimming pool heating
- + Thermal storage of PV energy is possible in the buffer storage tank
- + Includes an app with overview of consumption data, including operating and configuration menu for connected devices
- + Simple to install via installation app and QR code scanner
- + Manufacturer-independent
- + Solar power forecast



Solar Manager
explained simply
in a video



→ • An overview of all devices
supported by the Solar
Manager can be found here



Smart combination – The Solar Manager together with all alpha innotec heat pumps with Luxtronik 2.1 controller

Comprehensive Home Energy Management System for intelligent networking of all energy flows with many benefits for the customer:

- + Maximises the solar system's energy consumption by distributing the available electricity to the large consumers
- + Can be installed really easily by installers in just minutes using the mobile app
- + Simple control via app or web
- + Rapid refresh rate of just 10 seconds – up-to-date values at all times enable precise adjustment
- + Infinitely variable control of the integrated devices
- + Manufacturer-independent system



EMS-Gateway
enables direct and secure
communication with devices locally



End-customer app



Monitoring platform
all installations and
systems at a glance

Service packages available for your customers



Paket HEAT PUMP

- HEMS exclusively for heat pump integration as consumer
- No battery storage can be integrated
- Heat pump PV surplus control
- Heat pump output control according to PV surplus
- Supported operating modes include heating, hot water, cooling and pool heating
- Use of dynamic electricity tariffs



Paket BASIC

- Integration of heat pump plus battery storage, electrical rod, wall box, smart meter, etc.
- Heat pump PV surplus control
- Heat pump output control according to PV surplus
- Supported operating modes include heating, hot water, cooling and pool heating
- Use of dynamic electricity tariffs
- Weather forecast

Additional functions

PREMIUM Paket:

- Energy assistant with push messages
- energy reports
- failure messages
- anomaly detection
- optimisation suggestions
- progress and comparisons
- car integration (SoC)
- energy reports

Digital tools for
remote maintenance
and control



Simply well connected. Clearly organised.

You have the full picture, whilst your customers enjoy ease of use.

With heatpump24 and myUplink PRO, you can monitor, analyse and control your heat pump fleet remotely, reducing the need for time-consuming on-site visits.

You can identify faults early on, access system data at any time and adjust settings directly. This saves you time and allows you to keep track of things even with multiple systems.

The right tool is available to you depending on the controller. Your customers use the myUplink app to easily operate their heat pump themselves. This is also possible via voice control using Alexa or Google Home.

For even more efficient operation, the heat pump can also be networked via myUplink with other systems such as Uponor's Smatrix individual room control.

For you as an installer:



with the features*

- + Monitor and control all systems centrally
- + Detect and resolve faults early
- + Manage your heat pump fleet efficiently

→ • further information available online



myUplinkPRO



heatpump24

For your customers:



with the features*

- + Control your heat pump easily by yourself
- + Keep an eye on important data at all times
- + Greater convenience in everyday life



myUplink

The right tool for every system

The right application for
every controller**.

for the controller

Installer

Customer

Luxtronik 2.1

heatpump24
myUplinkPRO

myUplink

HPC 40

myUplink PRO

myUplink

Your benefits in day-to-day service

Manage more systems. Less effort.

Features for end customers	heatpump24	myUplinkPRO
Keep track of operational data	✓	✓ (real time)
Detect and analyse faults remotely	✓	✓ (real time)
Receive automatic notifications of faults	✓	✓ (Push)
Identify systems requiring action immediately	–	✓
Find systems quickly (status, location, tags)	✓	✓ (expanded)
Adjust settings directly from a distance	✓	✓
Full access to the controller menus	–	✓
Carry out commissioning via the app	–	✓
Perform firmware updates remotely	–	✓
Manage systems centrally	✓	✓ (expanded)
Manage access rights for staff	✓	✓ (expanded)
Secure access to all systems	✓	✓ (Multi-factor authentication)

More possibilities through networking**

- + Voice control via Alexa and Google Home
- + Networking with individual room control
- + More efficient operation through room temperature-controlled regulation



Tapping into service potential



The use of digital applications is subject to a fee*** and can form the basis for additional services. You can specifically integrate these services into maintenance contracts, thereby unlocking new revenue potential in after-sales. At the same time, remote maintenance reduces your on-site workload and increases customer loyalty through proactive service.



For installers
Heatpump24
registration:



*Functionality depends on the controller used, **Application depends on the controller, ***Prices: alpha innotec price list

Sustainable heat should not be a luxury. It forms the basis for comfort, quality of life and a secure future. That's why we develop heating solutions to meet the needs of people and the environment. With technical expertise, personalised service and quality you can rely on. In this way, we are shaping a future in which sustainable heat is simple and a matter of course.



alpha innotec –
a brand of
ait-deutschland GmbH

Heat from the pioneer.
Simply for life.

ait-deutschland GmbH

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