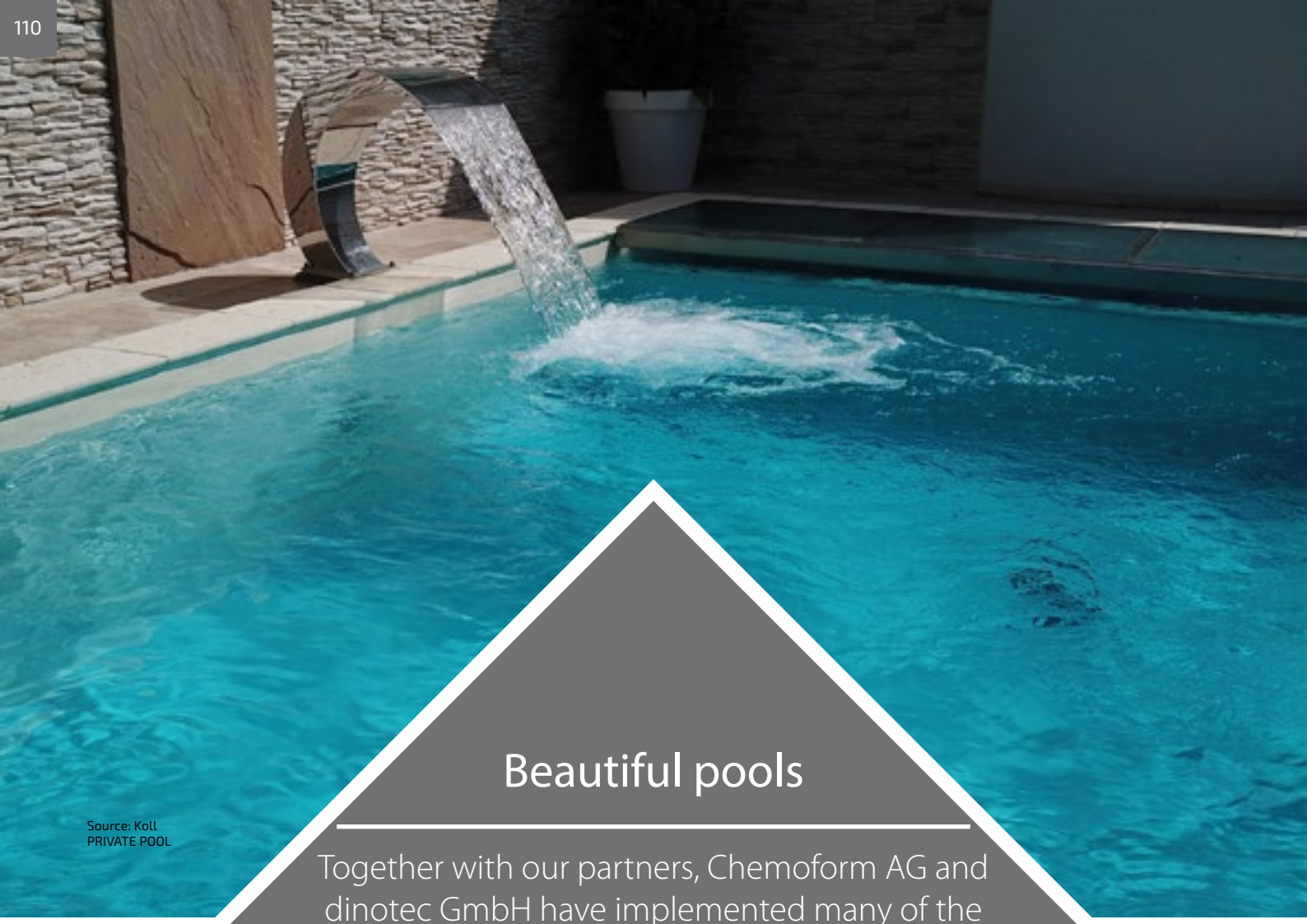


CONTENT

HEATING SYSTEMS

Heating systems

- P. 111 **Overview**
- P. 112 **SILENT FLOW**
- P. 114 **VITALIA premium**
- P. 116 **VESUVIO Inverter**
- P. 118 **VESUVIO**
- P. 120 **Pinguin**
- P. 122 **HKR Series "BASIC LINE"**
- P. 122 **unipool Basic**
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- P. 129 **Pool water heat exchanger SHWT**
- P. 130 **Dehumidifier Dantherm**
- P. 131 **Dehumidifier KAUT**

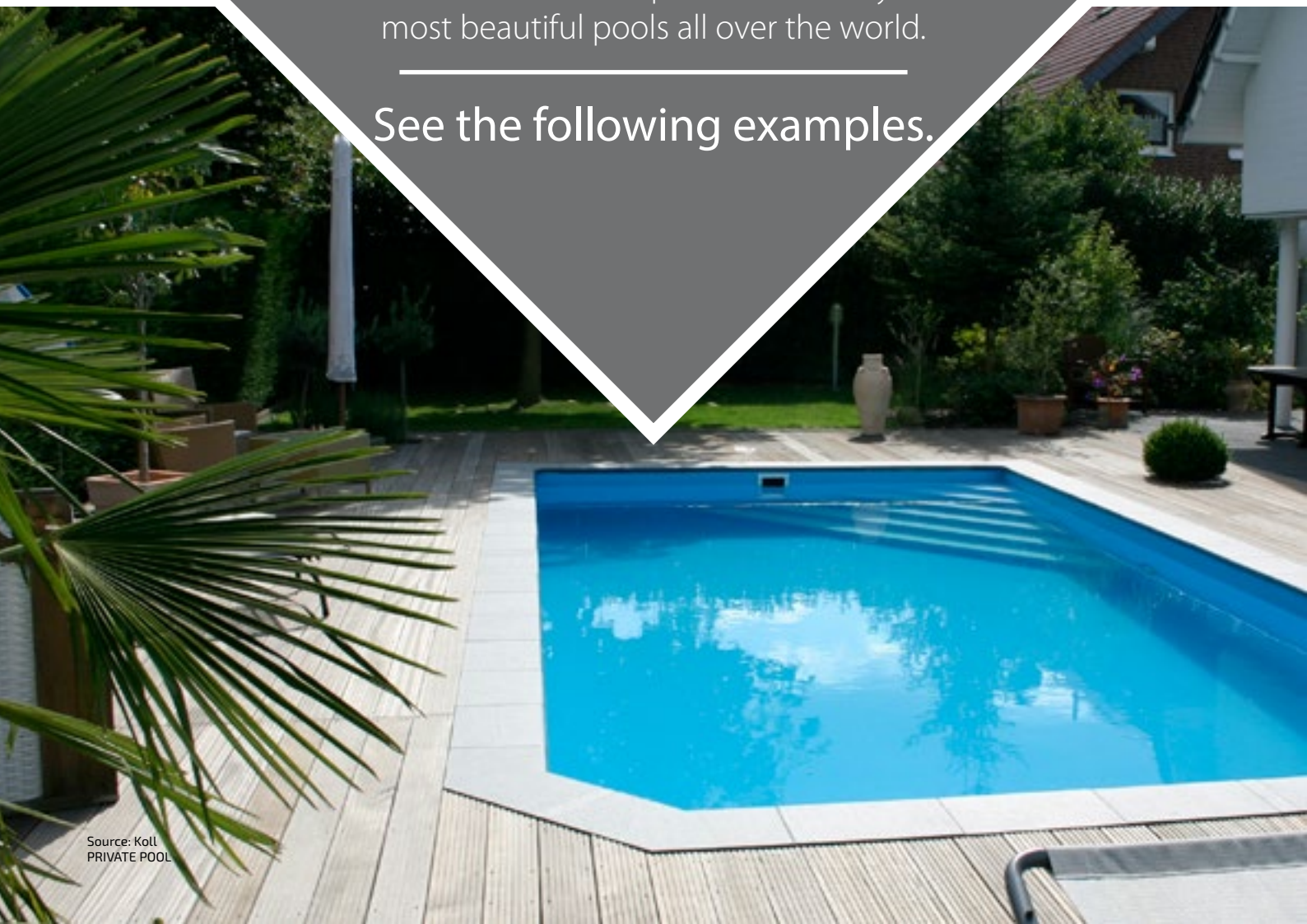


Source: Koll
PRIVATE POOL

Beautiful pools

Together with our partners, Chemoform AG and dinotec GmbH have implemented many of the most beautiful pools all over the world.

See the following examples.








Source: Koll
PRIVATE POOL

OUR RANGE

OVERVIEW

Heating systems

Model		Capacity (kW)*	COP**	Compressor	REFRIGERANT	Pool volume (m ³)	Application area (air)	1-phase	3-phase	Strengths	Page
	VITALIA premium Silent Flow	6 models: 9 to 35	4.5 - 8.0	Full inverter	R32 Green	20 - 160	-12 to 43°C	✓	✓	<ul style="list-style-type: none"> Plain and simple design Silent Flow technology Rear air flow Can be controlled via app 	112
	VITALIA premium Vertical	6 models: 17 to 60	4.4 - 7.8	Full inverter	R32 Green 60T: R410A	45 - 200	-15 to 43°C	✓	✓	<ul style="list-style-type: none"> High efficiency for larger pools TurboSilence technology Vertical air flow Can be controlled via app 	114
	VITALIA Comfort Vesuvio inverter	7 models: 8 to 35.6	4.1 - 7.7	Full inverter	R32 Green	15 - 140	-5 to 43°C	✓	✓	<ul style="list-style-type: none"> Full inverter made accessible! Integrated soft start Quiet and reversible 	116
	VITALIA Vesuvio	4 models: 6 to 12	4.0 - 4.3	Rotary compressor	R32 Green	10 - 60	0 to 43°C	✓	-	<ul style="list-style-type: none"> Favourable price/performance ratio Reversible ABS housing with corrosion protection 	118
	VITALIUA Pinguin	3 models: 3 to 5	3.93 - 4.08		R32	8 - 18	10 to 43°C	✓	-	<ul style="list-style-type: none"> Attractive design Space-saving Suitable for small pools and above-ground pools 	120

* Conditions: air 26°C, water 26°C, humidity 80%

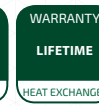
** Conditions NF 414: air 15°C, water 26°C, humidity 70%

HEATING SYSTEMS SILENT FLOW

Heat pump

VITALIA

PREMIUM



Available about March 2022

PRODUCT INFORMATION

Turbo-Silence technology. Boost mode provides 120 % more power to lengthen the pool season

FULL INVERTER TECHNOLOGY

- + Year-round operation from -12 °C air temperature
- + Aluminium casing
- + Anti-vibration feet and a winter cover are included.
- + Operation via app
- + Eco-friendly: R32 GREEN refrigerant for three times less pollutant.
- + 3-year warranty for the heat pump
- + 10 year warranty for the compressor
- + Exchanger with lifetime warranty against rust

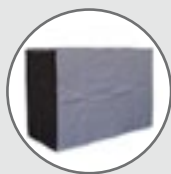
System Model	Voltage (V)	Heating capacity (kW)	Pool size (m³)	ART. NO.
9 kW	230	9	15 - 45	108026
13 kW	230	13	20 - 65	108027
17 kW	230	17	25 - 80	108028
21 kW	230	21	30 - 95	108029
28 kW	230	28	40 - 120	108030
32 kW	400	32	50 - 160	108031

INFORMATION

ACCESSORIES



Anti-vibration feet



Winter cover

Technical data

System Model	9 kW	13kW	17kW	21kW	28kW	32 kW
Recommended pool volume zone A (m ³)	20 (1) - 45 (1b)	35 (1) - 65 (1b)	40 (1) - 80 (1b)	50 (1) - 95 (1b)	60 (1) - 120 (1b)	85 (1) - 160 (1b)
Recommended pool volume zone B (m ³)	15 (1) - 25 (1b)	20(1) - 35 (1b)	25(1) - 45(1b)	30(1)-50(1b)	40(1) - 70(1b)	50(1) - 90(1b)
Application area Water (°C)	+5°C to +35°C					
Air operating range (°C)	-12°C to +43°C					
Heating capacity (kW) (air 26°C, water 26°C, humidity 80%)						
Heating capacity (kW)	9	13	17.5	21	28	35.2
COP	14.0 - 7.2	14.5 - 7.0	15.6 - 7.0	14.8 - 7.1	15.8 - 7.1	15.5 - 7.0
Heating capacity (kW) (air 15°C, water 26°C, humidity 70%) (NF-414 norm)						
Heating capacity (kW)	6.6	9	12.5	14.5	19	24.2
COP	7.5 - 4.8	7.5 - 5.0	7.7 - 5.0	7.1 - 5.0	8.0 - 5.0	7.5 - 5.0
Recommended flow (m ³ /h)	2 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 18
(Electrical) power consumption (kW) at 15/26/70 %.	0.33 - 3.08	0.42 - 3.67	0.46 - 4.4	0.46 - 4.4	0.6 - 5.94	2.20 - 8.05
Rated current (A)	0.83 - 5.98	1.13 - 7.83	1.44 - 10.90	1.66 - 12.7	2.15 - 16.53	0.95 - 7.01
Operating voltage	230V - 1-phase/50 Hz					400V - 3-phase/50 Hz
Refrigerant	R32 refrigerant					
Compressor	Twin-rotary Mitsubishi DC compressor					
Sound pressure dB(A) at 10 m	16.8 - 26.1	20.1 - 28.7	21.1 - 31.8	18.9 - 32.2	21.5 - 32.9	20.6 - 32.6
Hydraulic diameter (mm)	50					
External dimensions of the products (mm) (LxWxH)	890 x 430 x 657	890 x 430 x 657	1060 x 430 x 657	1060 x 430 x 657	1060 x 430 x 957	1314 x 512 x 957
Net weight (kg)	53	57	66	72	91	135

INFORMATION

PRODUCT INFORMATION



User-navigation via touch control

PRO TIP

HEAT BALANCE

Preparing a heat balance is essential in order to determine the model best adapted to the pool setting and conditions.

INFORMATION

MISCELLANEOUS

- (1) Long season:
Use from April to October about, solar cover outside the swimming season, water temperature 26°C, filter runtime 15h/day (24h/day during heating-up phase), height 20 m. All information non-binding, only for guidance. We will be happy to dimension the heat pump for your particular installation.
 - (1b) Typical season:
Use from May to September about, solar cover outside the swimming season, water temperature 26°C, filter runtime 15h/day (24h/day during heating-up phase), height 20 m. All information non-binding, only for guidance. We will be happy to dimension the heat pump for your particular installation.
 - (2) At full capacity.
 - (3) At low capacity.
- Zone A Moderate climate West and South West Germany
Zone B Harsh climate Northern, Central, Eastern and Southern Germany

HEATING SYSTEMS

VITALIA premium

Heat pump

VITALIA
PREMIUM

PRODUCT INFORMATION

FULL INVERTER TECHNOLOGY

- + Vertical blowing
- + Year-round operation
- + Ultra-silent
- + Energy saving
- + Operation via APP

- Vertical blowing:
 - Larger evaporator surface for greater efficiency.
 - Sound emission and cold air flow upwards. Simplified implementation: no constraints or discomfort for swimmers swimmers due to blowing.
 - Year-round operation: runs starting from an air temperature of -15 °C (except VITVERT60T).
- Ultra-silent:
 - Turbo Silence technology (boost mode : can instantly increase the heating capacity to 120 % to start the season early).
 - Double rotary compressor to reduce vibrations.
 - Boost/Smart/Silence mode can be selected.
- Energy efficient: COP up to 16.
- Can be operated via an app, connected via WiFi.
- Eco-friendly: R32 GREEN refrigerant for three times less pollutant (except VITVERT60T).
- Touch controller: intelligent touch controller with water flow indicator.
- Titanium heat exchanger.
- Casing: aluminium alloy.
- Automatic defrost.
- Anti-vibration feet and a winter cover are included.

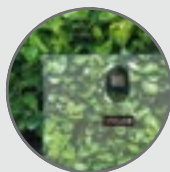
Model	Voltage (V)	Heating capacity (kW)	Pool size (m ²)	ART. NO.
17 kW	230	17.5	25 - 65	🌟 VITVERT17
22 kW	230	22	30 - 80	🌟 VITVERT22
27 kW	230	27	36 - 90	🌟 VITVERT27
27 kW	400	27	36 - 90	🌟 VITVERT27T
35 kW	400	35	55 - 140	🌟 VITVERT35T
60 kW	400	60	75 - 200	🌟 VITVERT60T

ON REQUEST - CF MY DESIGN

N
NEWPRODUCT
CF GROUP

FORGET YOUR HEAT PUMP

- Individual adaptation to your pool environment
- Adhesive customization on front panel, with integrated touch controller cutout
- High-strength adhesive, UV and weather resistant
- Solvent-free water-based paints
- Anti-air bubble technology with second skin effect cover
- Factory-integrated fitting
- Size adapted to the selected model



Decorative foil 'Plant pattern'



Decorative foil 'Plaster texture'



Decorative foil 'Wood'



Decorative foil 'Dry stone wall'



Stock goods. Shipped within 72h latest

Technical data

Model	VITVERT17	VITVERT22	VITVERT27	VITVERT27T	VITVERT35T	VITVERT60T
Recommended pool volume zone A (m ³)	35 (1) - 65 (1b)	45 (1) - 80 (1b)	54 (1) - 90 (1b)	54 (1) - 90 (1b)	80 (1) - 140 (1b)	110 (1) - 200 (1b)
Recommended pool volume zone B (m ³)	25 (1) - 45 (1b)	30 (1) - 50 (1b)	36 (1) - 68 (1b)	36 (1) - 68 (1b)	55 (1) - 100 (1b)	75 (1) - 140 (1b)
Application area Water (°C)				+5°C to +35°C		+5°C to +35°C
Air operating range (°C)				-15°C to +43°C		-7°C to +43°C
Heating capacity (kW) (air 26°C, water 26°C, humidity 80%)						
Heating capacity in Booster mode 120 % (kW)	21	26	31.5	31.5	40	X
Heating capacity (kW)	17.5	22	27	27	35	60
COP	6.3 - 15.5	6.8 - 14.9	6.3 - 16	6.3 - 16	6.4 - 15.7	6.1 - 12.7
Heating capacity (kW) (air 15°C, water 26°C, humidity 70%) (NF-414 norm)						
Heating capacity in Booster mode 120 % (kW)	14.3	17.5	21.5	21.5	28.5	X
Heating capacity (kW)	11.6	14.5	18	18	24.5	40
COP	4.4 - 7.4	4.8 - 7.3	4.9 - 7.8	4.9 - 7.8	4.8 - 7.7	4.7 - 7.1
Recommended flow (m ³ /h)	6.5 - 8.5	8 - 10	10 - 12	10 - 12	12 - 18	20 - 25
(Electrical) power consumption (kW) at 15/26/70 %.	0.33 - 3.08	0.42 - 3.67	0.46 - 4.4	0.46 - 4.4	0.6 - 5.94	2.20 - 8.05
Rated current (A)	1.43 - 13.4	1.82 - 15.9	2.01 - 19.1	0.66 - 6.35	0.87 - 8.57	3.17 - 12
Operating voltage	230V - 1-phase/50 Hz			400V - 3-phase/50 Hz		
Refrigerant	R32 green					R410A
Compressor	Full inverter					
Expansion	Electronic EEV					
Sound pressure dB(A) at 10 m	23.1 - 32.1	21 - 32.9	23.6 - 33.8	23.6 - 33.8	22.8 - 34.0	34 - 42
Hydraulic diameter (mm)	50					75
External dimensions of the products (mm) (LxWxH)	710 x 775 x 693	710 x 775 x 743	804 x 709 x 942	804 x 709 x 942	904 x 809 x 942	1000 x 1100 x 1260
Net weight (kg)	72	88	104	113	126	212

INFORMATION

PRODUCT INFORMATION



VITVERT60T



User-navigation via touch control

PRO TIP

HEAT BALANCE

Preparing a heat balance is essential in order to determine the model best adapted to the pool setting and conditions.

INFORMATION

MISCELLANEOUS

- (1) Long season:
Use from April to October about, solar cover outside the swimming season, water temperature 26°C, filter runtime 15h/day (24h/day during heating-up phase), height 20 m. All information non-binding, only for guidance. We will be happy to dimension the heat pump for your particular installation.
- (1b) Typical season:
Use from May to September about, solar cover outside the swimming season, water temperature 26°C, filter runtime 15h/day (24h/day during heating-up phase), height 20 m. All information non-binding, only for guidance. We will be happy to dimension the heat pump for your particular installation.
- (2) At full capacity.
- (3) At low capacity.
- Zone A Moderate climate West and South West Germany
- Zone B Harsh climate Northern, Central, Eastern and Southern Germany

HEATING SYSTEMS

VESUVIO Inverter

Heat pump

VITALIA
Comfort



PRODUCT
CF GROUP



INVERTER
TECHNOLOGY



ULTRA-SILENT



ECO



WARRANTY
3
YEARS
WARRANTY



WARRANTY
8
YEARS
HEAT-EXCHANGER



WARRANTY
LIFETIME
CORROSION



PRODUCT INFORMATION

- + "Full Inverter" compressor with variable frequency in steps of 1 Hz.
- + Eco-friendly refrigerant R32
- + Application range from air temperature -5°C
- + Sound pressure at 10 m up to 20 dB(A).
- + For pools up to 140 m³.

- COP up to 15 with air 26°C, water 26°C, humidity 80%
- Sound pressure at 10 m up to 20 dB(A) (model VESIN08N).
- Soft start prevents an overloading of the electrical system during startup.
- The water can be heated (heating mode) or cooled down (cooling mode).
- 2 modes of use: "Smart" for standard use and "Silence" (or night mode) for a limitation to 80% of the maximum capacity, allowing a reduction of 3 dB(a) compared to the Smart mode.
- Refrigerant: R32
- Water temperature setting 12 to 35°C.

System Model	Heating capacity (kW)	Pool size (m ³)	ART. NO.
VESUVIO Inverter 8 kW	8.0	10 - 30	☀️ VESIN08NR
VESUVIO Inverter 10 kW	10.0	15 - 35	☀️ VESIN10NR
VESUVIO Inverter 13 kW	13.0	20 - 50	☀️ VESIN13NR
VESUVIO Inverter 17 kW	17.0	25 - 65	☀️ VESIN17NR
VESUVIO Inverter 21 kW	21.0	30 - 80	☀️ VESIN21NR
VESUVIO Inverter 25 kW	25.0	36 - 90	☀️ VESIN25NR
VESUVIO Inverter 36 kW - 3-phase	36.0	55 - 140	☀️ VESIN36TR

MODELS

HIGH-EFFICIENCY

Heat pump efficiency vs Heat output (kW)


SOFT START

Protects electrical components


Current (A) vs Time (min.)

INFORMATION

PRODUCT INFORMATION



Control screen



Back

PRO TIP

HEAT BALANCE

Preparing a heat balance is essential in order to determine the model best adapted to the pool setting and conditions.

Technical data

Model	VESIN08NR	VESIN10NR	VESIN13NR	VESIN17NR	VESIN21NR	VESIN25NR	VESIN36TR
Recommended pool volume zone A (m ³)	20 (1) - 30 (1b)	25 (1) - 35 (1b)	30 (1) - 50 (1b)	35 (1) - 65 (1b)	45 (1) - 80 (1b)	54 (1) - 90 (1b)	80 (1) - 140 (1b)
Recommended pool volume zone B (m ³)	10 (1) - 20 (1b)	15 (1) - 25 (1b)	20 (1) - 35 (1b)	25 (1) - 45 (1b)	30 (1) - 50 (1b)	36 (1) - 68 (1b)	55 (1) - 100 (1b)
Application area Water (°C)	+5°C to +35°C						
Application area Air (°C)	-5°C to +43°C						
Heating capacity (kW) (air 26°C, water 26°C, humidity 80%)	8.0(2)	9.5(2)	12.5(2)	16.5(2)	20.5	25(2)	35.6(2)
C.O.P (air 26°C, water 26°C, humidity 80%)	5.6(2) - 9.1(3)	5.7(2) - 9.5(3)	5.9(2) - 10.5(3)	5.7(2) - 10.1(3)	5.6(2) - 10.6(3)	5.8(2) - 10.2(3)	5.5(2) - 14.6(3)
Heating capacity (kW) (NF-414: air 15°C, water 26°C, humidity 70%)	6(2)	7(2)	9.5(2)	11.5(2)	14(2)	17(2)	24(2)
C.O.P (NF-414: air 15°C, water 26°C, humidity 70%)	4.1(2) - 5.9(3)	4.3(2) - 6.1(3)	4.2(2) - 5.9(3)	4.2(2) - 6.1(3)	4.1(2) - 6.1(3)	4.3(2) - 6.1(3)	4.5(2) - 7.7(3)
Recommended flow (m ³ /h)	2 - 4	3 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 18
(Electrical) power consumption (kW) at 15/26/70 %	1.4(2) - 0.34(3)	1.6(2) - 0.35(3)	2.1(2) - 0.36(3)	2.7(2) - 0.57(3)	3.4(2) - 0.62(3)	3.95(2) - 0.70(3)	5.2(2) - 0.62(3)
Operating voltage	220/240 V - 1 Ph/50 Hz						
Rated current (A)	6.0(2) - 1.48(3)	7.0(2) - 1.52(3)	8.7(2) - 1.57(3)	11.7(2) - 2.48(3)	15(2) - 2.7(3)	17.1(2) - 3.0(3)	7.4(2) - 0.89(3)
Refrigerant	R32						
Compressor	Full inverter						
Expansion	Electronic EEV						
Sound pressure dB(A) at 10 m	20.8(3) - 31.1(2)	20.6(3) - 32.5(2)	22.9(3) - 33(2)	25.2(3) - 36.3(2)	25.3(3) - 37.1(2)	25.8(3) - 37.8(2)	29.6(3) - 34.7(2)
Hydraulic diameter (mm)	50						
External dimensions of the products (mm)	872 x 349 x 654	872 x 349 x 654	872 x 349 x 654	962 x 349 x 654	962 x 349 x 754	1092 x 420 x 958	1161 x 530 x 958
Net weight (kg)	46	47	49	60	68	90	120

Options

DESCRIPTION	ART. NO.
Set for remote screen	☀️ 106361
4 self-stabilizing anti-vibration feet for mounting without concrete slab	☀️ 105463
Bag with 4 self-stabilizing anti-vibration feet (for mounting on concrete slab)	☀️ 105678
Bypass set 50 (to be installed)	☀️ 105036
Winter cover for models: VESIN08NR, VESIN10NR and VESIN13NR (885x336x635 mm)	☀️ VESCOUV2
Winter cover for models: VESIN17NR and VESIN21NR (981x336x635 mm)	☀️ VESCOUV3
Winter cover for model: VESIN25NR (1120x417x948 mm)	☀️ VESCOUV5
Winter cover for model: VESIN36TR (1181x525x935 mm)	☀️ VESCOUV6

i INFORMATION

PRODUCT INFORMATION



Remote control screen (option)



Self-stabilizing anti-vibration feet for mounting without concrete slab



Anti-vibration feet for mounting with concrete slab



Bypass set 50

i INFORMATION

MISCELLANEOUS

- (1) Long season:
Use from April to October about, solar cover outside the swimming season, water temperature 26°C, filter runtime 15h/day (24h/day during heating-up phase), height 20 m. All information non-binding, only for guidance. We will be happy to dimension the heat pump for your particular installation.
- (1b) Typical season:
Use from May to September about, solar cover outside the swimming season, water temperature 26°C, filter runtime 15h/day (24h/day during heating-up phase), height 20 m. All information non-binding, only for guidance. We will be happy to dimension the heat pump for your particular installation.
- (2) At full capacity.
- (3) At low capacity.
- Zone A Moderate climate West and South West Germany
- Zone B Harsh climate Northern, Central, Eastern and Southern Germany

HEATING SYSTEMS VESUVIO

Heat pump

VITALIA

PRODUCT CF GROUP

ECO

WARRANTY 3 YEARS

WARRANTY 8 YEARS HEAT-EXCHANGER

WARRANTY LIFETIME CORROSION



PRODUCT INFORMATION

- + Switchable
- + Cooling mode at high temperatures
- + Your pool temperature under control
- + Limits the growth of algae

System Model	Heating capacity (kW)	Pool size (m ³)	ART. NO.
VESUVIO Standard 6 kW	6	10 - 20	★ VES06R
VESUVIO Standard 8 kW	8	20 - 30	★ VES08R
VESUVIO Standard 10 kW	10	25 - 35	★ VES10R
VESUVIO Standard 12 kW	12	40 - 55	★ VES12R

INFORMATION

PRODUCT INFORMATION



"Cooling" mode and defrosting via 4-way valve for optimized operation and extended range of use.

INFORMATION

ONLY FOR MODELS 18/25T/33T



Electronic valve EEV HP BOOSTER

Back



Mounted on a metal frame, corrosion-resistant ABS casing

Corrosion-resistant cooling elements

Rear outlet via 2 pipe connections with union nut ø 50 mm

Technical data

Model	VES06R	VES08R	VES10R	VES10R
Recommended pool volume zone A (m ³)	20	30	35	55
Recommended pool volume zone B (m ³)	10	20	25	40
Application area Water (°C)	+5° to +35°			
Application area Air (°C)	+0° to +43°			
Heating capacity (kW) (air 26°C, water 26°C)	6	7.5	9.6	12
C.O.P (air 26°C, water 26°C)	5.5	5.3	5.7	5.6
Heating capacity (kW) (air 15°C, water 26°C)	3.2	5	6.5	8.6
C.O.P (air 15°C, water 26°C)	4.2	4	4.3	4.3
Cooling capacity (kW) (air 35°C, water 28°C)	2.8	4.1	5.4	6.8
Recommended flow (m ³ /h)	2 - 3	3 - 4	4 - 6	4.5 - 6.5
(Electrical) power consumption (kW)	0.8	1.3	1.5	1.9
Supply voltage (line protection must be provided by circuit-breakers with trip characteristic "D")	220/240 V - 1-phase/50 Hz			
Rated current (A)	3.5	5.2	6.5	8
Compressor	Rotary compressor			
Expansion	Capillary			
Sound pressure dB(A) at 10 m	28.5	28.6	28.8	29.5
Net product weight / Gross (kg)	38 / 45	42 / 49	55 / 63	60 / 68

Options

DESCRIPTION	ART. NO.
Set for remote screen	106360
4 self-stabilizing anti-vibration feet for mounting without concrete slab	105463
Bag with 4 self-stabilizing anti-vibration feet (for mounting on concrete slab)	105678
Bypass set 50 (to be installed)	105036
Winter cover for models: VES05, VES06R, VES08 and VES08R (820x336x535 mm)	VESCOUV1
Winter cover for models: VES10R, VES12R, VES14 and VES18 (981x417x635 mm)	VESCOUV4
Winter cover for model: VES25T (1120x417x948 mm)	VESCOUV5
Winter cover for model: VES33T (1181x525x935 mm)	VESCOUV6

INFORMATION

PRODUCT INFORMATION



Self-stabilizing anti-vibration feet for mounting without concrete slab



Anti-vibration feet for mounting with concrete slab



Bypass set 50

INFORMATION

MISCELLANEOUS

Zone A	Moderate climate West and South West Germany
Zone B	Harsh climate Northern, Central, Eastern and Southern Germany

Penguin

Heat pump

VITALIA


PRODUCT INFORMATION

- + Heat pump for small pools
- + Operation via app on smartphone or tablet connected via Bluetooth.
- + Protected display, also allows an easy setpoint change
- + Complete with 4 m mains cable, residual current circuit breaker integrated in plug
- + Housing made of corrosion-resistant plastic
- + Compact dimensions 525 x 530 x 603 mm

Model	Heating capacity (kW)	Pool size (m ³)	ART. NO.
Penguin 3	3	8 - 12	107941
Penguin 4	4	10 - 15	107942
Penguin 5	5	10 - 18	107943

Technical data

Model	Penguin 3	Penguin 4	Penguin 5
Recommended pool volume zone A (m ³)	12	15	18
Recommended pool volume zone B (m ³)	8	10	12
Application area Water (°C)	+5° to +35°		
Application area Air (°C)	+10° to +43°		
Heating capacity (kW) (air 26°C, water 26°C)	3	4	5
C.O.P (air 26°C, water 26°C)	5	5.06	5.05
Heating capacity (kW) (air 15°C, water 26°C)	2.2	3.1	4
C.O.P (air 15°C, water 26°C)	3.93	3.97	4.08
Recommended flow (m ³ /h)	1.1	1.6	2
(Electrical) power consumption (kW)	0.56	0.78	0.98
Supply voltage (line protection must be provided by circuit-breakers with trip characteristic "D")	220/240 V - 1-phase/50 Hz		
Internal flow control	Yes	Yes	Yes
Standard accessories	Manual emptying, mains plug with integrated residual circuit breaker, 2 adapters 32/38 mm, 2 hose clamps		
Control	LED display with 3 control buttons, Bluetooth app (available from App Store and Playstore) Electrical connection with 4m cable and mains plug with integrated residual circuit breaker		
Sound pressure dB(A) at 1 m	46	46	48
Refrigerant	R32		
Automatic defrosting	No	No	Yes
Under-temperature protection	Yes	Yes	Yes
Overpressure safety device	Yes	Yes	Yes
Net product weight / Gross (kg)	30	35	40

INFORMATION

MISCELLANEOUS

Zone A	Moderate climate West and South West Germany
Zone B	Harsh climate Northern, Central, Eastern and Southern Germany

Source: Drumlife Production / Stotinka



Beautiful pools

Together with our partners, Chemoform AG and dinotec GmbH have implemented many of the most beautiful pools all over the world.

See the following examples.



Source: Drumlife Production / Stotinka

HEATING SYSTEMS

HKR SERIES "BASIC LINE"



PRODUCT INFORMATION

Overview of features:

- + Removable control panel
- + Titanium heat exchanger with 10 year warranty
- + High quality stainless steel housing
- + Eco-friendly advanced refrigerant R410A
- + Low noise level
- + Branded compressor
- + Auto-defrost system
- + Automatic heating and cooling
- + Suitable for ponds
- + Incl. wall-mounted housing
- + Incl. winter cover



The robust technology, which is integrated in a high-quality stainless steel housing, ensures a convenient extension of your pool season from spring to autumn.

The integrated digital control allows a fully automatic heating and cooling of your pool. The included wall-mounted housing allows you to move the controller and heat pump, for example to operate them directly from the plant room.

The interior of the unit is divided into two parts and contains a corrosion-resistant titanium heat exchanger, a brand name compressor and low-noise fans, which ensure an efficient operation. A standard hot gas defrosting ensures an operation even when temperatures outside are cooler, as happens in spring and autumn.

INFO

PRODUCT INFORMATION

A separate brochure for the HKR series Basic Line is available on request.

HEATING SYSTEMS

unipool Basic

Air heat pump for whirlpools and outdoor pools



PRODUCT INFORMATION

- Robust housing, with chlorine and salt water-resistant titanium heat exchanger
- Eco-friendly refrigerant (R410a)
- Flow switch and screwed connections for safe operation and easy installation
- Digital LED control with timer and temperature display
- The heat pump runs exclusively in heating mode



Model	Capacity (kW)	Pool size (m³)	ART. NO.
Basic 15	6.1	15 - 30	UP300100754
Basic 20	9.0	25 - 50	UP300100755
Basic 30	12.5	35 - 70	UP300100756

Technical data

Model	Basic 15	Basic 20	Basic 30
Supply voltage (V/Hz)	220-240 / 50	220-240 / 50	220-240 / 50
Power consumption heating mode (kW)	1.10	1.45	2.00
Nominal heating capacity (kW)	5.75	8.5	11.6
Nominal current (A)	4.8	7.4	9.8
C.O.P (air 26°C, water 26°C)	5.9	5.8	5.9
Airflow	1200	1400	2000
Max. Sound pressure dB(A) at 1m	<48	<50	<52
Sound pressure dB(A) at 10m	<38	<40	<42
Refrigerant R32 (g)	500	700	850
CO ² equivalent of refrigerant (t)	0.34	0.47	0.57
Water connection (mm)	50	50	50
Net weight of unit (kg)	39	49	66
Housing	Plastic	Plastic	Plastic
Heat exchanger	Titanium/PVC	Titanium/PVC	Titanium/PVC
External dimensions (LxWxH)	830 x 300 x 560	830 x 300 x 560	950 x 310 x 650

HEATING SYSTEMS

unipool Premium Line

Air heat pump for whirlpools and outdoor pools



PRODUCT INFORMATION

- Solid powder-coated steel housing
- Highest COP value due to inverter technology
- Titanium heat exchanger, resistant to chlorine and salt water
- Soft start for compressor
- Eco-friendly refrigerant (R410a)
- Digital LED control with timer and temperature display
- Very low pressure level



Model	Capacity (kW)	Pool size (m ³)	ART. NO.
Premium 40	3.65 - 14.2	25 - 65	UP300100760
Premium 50	4.7 - 18.2	35 - 75	UP300100757
Premium 60	5.7 - 22.2	45 - 95	UP300100758
Premium 80	7.0 - 28.3	60 - 120	UP300100759

Technical data

Model	Premium 40	Premium 50	Premium 60	Premium 80
Supply voltage (V/Hz)	220 / 50	220 / 50	220 / 50	380 / 50
Power consumption heating mode (kW)	0.28 - 2.70	0.35 - 3.15	0.46 - 3.80	0.58 - 4.60
Heating capacity (kW) (air 26°C, water 26°C)	4.40 - 14.50	5.40 - 18.30	6.60 - 22.40	8.20 - 28.50
C.O.P (air 26°C, water 26°C)	7.30 - 15.30	7.20 - 15.10	7.40 - 15.30	7.50 - 15.40
Heating capacity (kW) (air 15°C, water 26°C)	3.40 - 11.30	4.22 - 14.10	5.10 - 17.50	6.00 - 21.30
C.O.P (air 15°C, water 26°C)	5.80 - 8.40	5.80 - 8.30	5.90 - 8.40	5.80 - 8.40
Sound pressure dB(A) at 1 m	41 - 52	43 - 53	45 - 55	46 - 56
Sound pressure dB(A) at 10 m	21 - 32	23 - 33	25 - 35	26 - 36
Rated current (A)	1.3 - 11.6	1.6 - 15.00	2.1 - 18.50	0.85 - 6.8
Refrigerant R32 (g)	810	1000	1250	1580
CO ² equivalent of refrigerant (t)	0.55	0.68	0.84	1.07
Water connection (mm)	50	50	50	50
Net weight of unit (kg)	66	97	105	117
Heat exchanger	Titanium/PVC	Titanium/PVC	Titanium/PVC	Titanium/PVC
Housing	Steel	Steel	Steel	Steel
External dimensions (LxWxH)	1020 x 415 x 800	1020 x 415 x 800	1020 x 415 x 900	1020 x 415 x 1050

HEATING SYSTEMS

SOLAR SYSTEMS

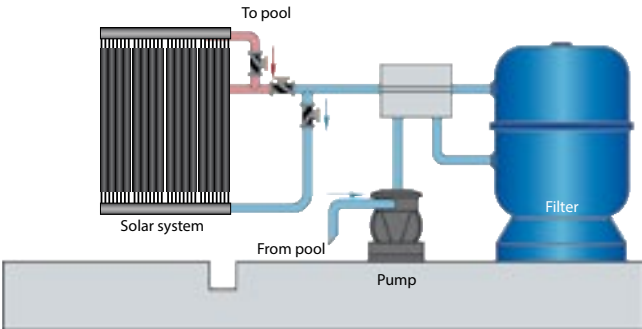




PRODUCT INFORMATION
















Prefabricated standard sheets made of EPDM (ethylene-propylene-diene-terpolymer). The flexibility of this material allows an easy transport to and handling on roofs. Attach the sheets and you are done! Each sheet with a width of 0.5 m. Special lengths are possible, we charge for the next higher standard length.

A ball valve is used as bypass to connect solar panels to the return line leading to the inlet nozzles, much in the same way as with a heat exchanger. In this way, pool water heated by the sun is returned directly into the pool.

It is of course possible to operate this ball valve automatically by means of a solar control.



DESCRIPTION	ART. NO.
SOLAR SHEETS	
Width: 0.5m	
1 m (custom-made)	UP350500
3 m (1.5 m ²)	UP350530
4 m (2.0 m ²)	UP350540
5 m (2.5 m ²)	UP350550
6 m (3.0 m ²)	UP350560
7 m (3.5 m ²)	UP350570
8 m (4.0 m ²)	UP350580
SOLAR TAPE - ROLLS	
Width 245 mm, length 40 m, for own assembly	UP300005960
SET 1	
 <p>For pools up to approx. 20 m² water surface (covered). For installation in existing pipes. Consisting of:</p> <ul style="list-style-type: none"> • 4 solar panels each 6 m long, approx. 0.5 m wide (approx. 12 m²), 1 • vent valve • 2 end caps • Rubber sleeves • Clamps • Unimastik glue 	UP300005930
SET 2	
 <p>For pools up to approx. 40 m² water surface (covered). For installation in existing pipes. Consisting of:</p> <ul style="list-style-type: none"> • 6 solar panels each 8 m long, approx. 0.5 m wide (approx. 24 m²), 1 • vent valve • 2 end caps • Rubber sleeves • Clamps • Unimastik glue 	UP300006000




DESCRIPTION	ART. NO.	
POLYESTER TAPE Roll 25 m	 UP300005880	
MANIFOLD Collecting pipe, diameter 50mm, length approx. 50cm	 UP300005950	
CLIPS Clips, 24 per distributor	 UP300005970	
VENTING KIT With PVC adapter unglued	 UP300005890	
PVC END CAP 50/40 mm	 UP300005870	
RUBBER ABSORBER CONNECTOR With 2 stainless steel clamps	 UP300006220	
PLASTIC DOUBLE EYELET	 UP300006240	
BLACK SOLAR HOSE Ø 38 mm Roll 50 m with moulded sleeves	 UP300005990	
ADHESIVE 300 ML Cartridge fits into normal silicone cartridge holder, sufficient for about 1.5 m ² solar surface.	 454570015	
UNI-KLEBEMASTIK 290ml	 UP300006010	
REPAIR KIT FOR UNIPOOL SOLAR ROLLING	 UP300005940	
 SOLAR CONTROL SR2 With solar sensor, for switching a separate solar pump on/off.	 UP300006280	
 SOLAR CONTROL SC COMPACT With water and solar sensor, for switching the pump and motorized ball valve 50 mm on/off	 UP300006330	

UNIPOOL POOL SOLAR PANELS

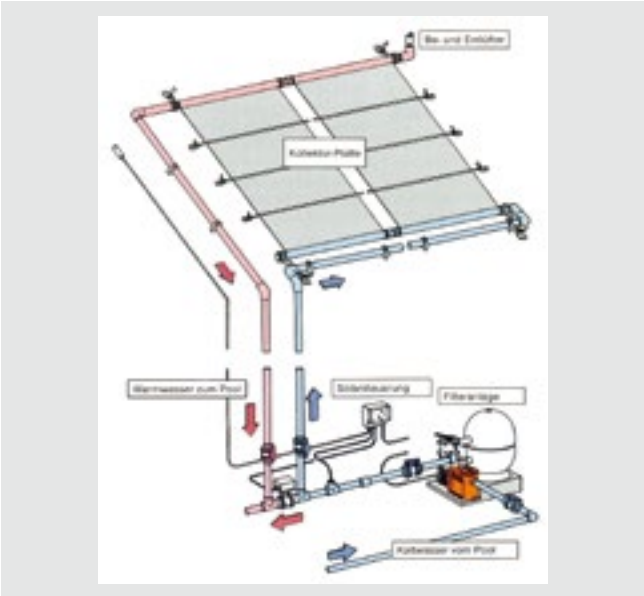


PRODUCT INFORMATION

The BADU BK solar panels for pool heaters are made of high-quality polypropylene, they are UV resistant, weatherproof and resistant to swimming pool water and any chemicals it may contain. Welded collecting pipes d 50 mm with tailpipe connections also made of polypropylene.

DESCRIPTION	ART. NO.
SPECK POOL SOLAR PANELS	
 <p>UV and weather resistant</p> <p>BADU BK 250</p> <ul style="list-style-type: none"> • Length 2080 mm • Width 1310 mm • Surface 2.5 m² <p>Aluminium frame for BADU BK 250</p>	<p>UP300006200</p> <p>UP300006210</p>
<p>BADU BK 370</p> <ul style="list-style-type: none"> • Length 3080 mm • Width 1310 mm • Surface 3.7 m² <p>Aluminium frame for BADU BK 370</p>	<p>UP300006180</p> <p>UP300006190</p>
 <p>SET A</p> <p>For pools up to 20m². For installation in existing pipes.</p> <p><u>Consisting of:</u></p> <ul style="list-style-type: none"> • 3 collectors (1.3 x 3.1 m) • 8 connectors • 1 end cap • 1 vent valve for adapter • 20 double eyelets • 25 m polyester tape • Assembly instructions. 	<p>UP300006290</p>
 <p>SET C</p> <p>For pools up to 40m². For installation in existing pipes.</p> <p><u>Consisting of:</u></p> <ul style="list-style-type: none"> • 6 collectors (1.3 x 3.1 m) • 14 connectors • 1 end cap • 1 vent valve for adapter • 30 double eyelets • 50 m polyester tape • Assembly instructions. 	<p>UP300006310</p>

PRODUCT INFORMATION



HEATING SYSTEMS

PLATE HEAT EXCHANGERS



PRODUCT INFORMATION



These plate heat exchangers are intended for heating heat up swimming pool water with warm water. Thanks to the large exchange surface they are perfectly suitable for using low temperature heating systems, such as solar heating systems, geothermal plants, heat pumps and similar alternative and innovative heating systems.

- + Material: stainless steel V4A
- + Version: bolted
- + Maximum operating pressure 10 bar
- + Maximum operating temperature 90°C
- + Installation in the bypass to the filter system and before the injection points



Model	Capacity in kW Heating flow		Pump capacity (m ³ /h)		Pressure loss (bar)		Connection (NW/inch)		ART. NO.
	55°C	45°C	Heating	Pool water	Heating	Pool water	Heating	Pool water	
GPWT 30	32	23	1.6	1.6	0.17	0.18	1 ¼	1 ¼	0970-903-00
GPWT 50	53	39	2.6	2.8	0.16	0.19	1 ¼	1 ¼	0970-904-00
GPWT 70	74	54	3.2	4.0	0.10	0.16	1 ¼	1 ¼	0970-901-00
GPWT 100	100	70	4.5	4.6	0.21	0.23	1 ¼	1 ¼	0970-907-00
GPWT 120	120	84	5	6	0.19	0.28	1 ¼	1 ¼	0970-908-00

ACCESSORIES

DESCRIPTION	ART. NO.
ACCESSORIES HEAT EXCHANGERS HWT AND NWT	
Heat-exchanger rubber hose assembly kit for connection	
 NW 50	0970-687-00
NW 60	0970-688-00
HEAT EXCHANGER ACCESSORIES	
1 pair of clamps for heat exchanger	
 d 125 for wall fastening, for HWT 35 / 65, NWT 18, TWT 35 / 65, SHWT 9 / 18	0970-689-00
d 160 for wall fastening, for HWT 93 / 122 / 182, NWT 35	0970-690-00

INFO

PRODUCT INFORMATION

We can offer you other plate heat exchangers in stainless steel or titanium with an output of up to 1200 KW at attractive prices. Please send your project-related request.

HEATING SYSTEMS

POOL WATER HEAT EXCHANGER HWT



PRODUCT INFORMATION

Heat exchanger in stainless steel (V4A), electropolished, for heating the pool water via connection to a central heating system.

Operating pressure: heating side 10 bar, pool water side 3 bar.

Design: housing with welded coil and immersion sleeve for an electronic measurement of the temperature. Internal, build-in diversion of water for an optimal heating of the pool water.



Model	Capacity in kW Heating flow		Pump capacity (m³/h)		Pressure loss (bar)		Connection (NW/inch)		ART. NO.
	90°C	60°C	Heating	Pool water	Heating	Pool water	Heating	Pool water	
HWT 35	42	24	2	10	0.18	0.10	¾	50 / 1½	0970-674-00
HWT 65	76	43	3	12	0.15	0.22	1	50 / 1½	0970-675-00
HWT 93	105	60	5	15	0.40	0.22	1	50 / 2	0970-676-00
HWT 122	140	80	2x3	20	0.25	0.60	1	50 / 2	0970-677-00
HWT 182	209	119	2x5	25	0.30	1.00	1	50 / 2	0970-678-00

HEATING SYSTEMS

POOL WATER HEAT EXCHANGER TWT



PRODUCT INFORMATION

Heat exchanger in TITANIUM, silver finish, for heating the pool water via connection to a central heating system.

Operating pressure: heating side 10 bar, pool water side 3 bar.

Design: housing with welded coil and immersion sleeve for an electronic measurement of the temperature. Internal, build-in diversion of water for an optimal heating of the pool water.



Model	Capacity in kW Heating flow		Pump capacity (m³/h)		Pressure loss (bar)		Connection (NW/inch)		ART. NO.
	90°C	60°C	Heating	Pool water	Heating	Pool water	Heating	Pool water	
TWT 35	42	24	3	12	0.2	0.10	¾	1½	0970-681-00
TWT 65	76	43	4	15	0.2	0.18	1	1½	0970-682-00
TWT 93	105	60	6	18	0.4	0.22	1	2	0970-683-00

HEATING SYSTEMS

POOL WATER HEAT EXCHANGER SHWT



PRODUCT INFORMATION

Solar heat exchanger in stainless steel (V4A), electropolished, for heating the pool water via connection to a solar heating system.

Operating pressure:

- + Heating side 10 bar
- + Pool water side 3 bar

Design: housing with welded coil and immersion sleeve for an electronic measurement of the temperature. Internal, build-in diversion of water for an optimal heating of the pool water.



Model	Capacity in kW Heating flow		Pump capacity (m ³ /h)		Pressure loss (bar)		Connection (NW/inch)		ART. NO.
	90°C	60°C	Heating	Pool water	Heating	Pool water	Heating	Pool water	
SHWT 9	42	10	2x2	10	0.18	0.10	¾	50 / 1½	0970-684-00
SHWT 18	42	18	2x2	10	0.22	0.18	1	50 / 1½	0970-685-00

HEATING SYSTEMS

DEHUMIDIFIER DANTHERM

Dehumidifier for indoor swimming pools

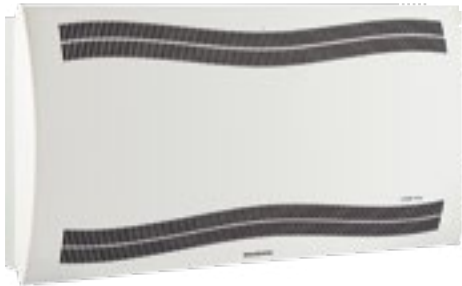


PRODUCT INFORMATION

These efficient dehumidifiers were developed by one of the leading manufacturers of climate controls for private indoor swimming pools and whirlpool rooms.

Low energy costs, low noise development and a new, elegant design are the most distinguishing features. Operation and maintenance are just as simple. The new units offer lower weight, lower noise levels, higher efficiency and performance, and advanced control options.

NEW: optional wireless remote control



Model	ART. NO.
CDP 40	UP300100653
CDP 50	UP300100654
CDP 70	UP300100655

TECHNICAL DATA

Model	CDP 40	CDP 50	CDP 70
Dehumidification capacity (28°C/60% RH)	34 l/24 h	52 l/24 h	69 l/24 h
Dehumidification capacity (30°C/60% RH)	36 l/24 h	55 l/24 h	79 l/24 h
Application range rel. humidity	40-100 % RH	40-100 % RH	40-100 % RH
Application range temperature	10 - 36 °C	10 - 36 °C	10 - 36 °C
Power Consumption	0.90kW	1.50kW	1.80kW
Max. current consumption	3.8 A	6.6 A	8.0 A
Nominal voltage	AC 230 V 1 N	AC 230 V 1 N	AC 230 V 1 N
Air output	400 m³/h	680 m³/h	900 m³/h
Refrigerant	R407c	R407c	R407c
Compressor	Rotary compressor	Rotary compressor	Rotary compressor
Housing	The housing is made of hot-dip galvanised, powder-coated sheet steel, side covers of polycarbonate.		
Noise emission (at 1 m)	46 dB(A)	47 dB(A)	50 dB(A)
Length x depth x height (mm)	1,010 x 326 x 769.2	1,160 x 326 x 769.2	1,495 x 326 x 769.2
Weight	56.5 kg	65 kg	75.5 kg

ACCESSORIES

Foot stand	CDP 40 / 50 / 70	UP300100656
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INFORMATION

MISCELLANEOUS

- * Automatic defrosting is required if the room temperature can drop below 20°C.
- ** The pump hot water heating coils (supplementary heating) are connected to the supply and return lines of the heating. For models 3010 and 5010, a complete temperature control must be provided, e.g. control of a heating pump or a thermostatic valve. Other models with built-in heating valve, only one room thermostat is required in this case.
- *** Built-in hygostat.

HEATING SYSTEMS

DEHUMIDIFIER KAUT

Dehumidifier for indoor swimming pools



PRODUCT INFORMATION

These efficient dehumidifiers were developed by one of the leading manufacturers of climate controls for private indoor swimming pools and whirlpool rooms.

Low energy costs, low noise development and a new, elegant design are the most distinguishing features. Operation and maintenance are just as simple. The new units offer lower weight, lower noise levels, higher efficiency and performance, and advanced control options.

NEW: optional wireless remote control



Model	ART. NO.
3010T	✓ UP300011680
5010T	✓ UP300011700
3025T	✓ UP300011810
5025T	✓ UP300011830
7010T	✓ UP300011710
9010T	✓ UP300011630

TECHNICAL DATA

Model	3010T	5010T	3025T	5025T	7010T	9010T
Class	Good value for money	Good value for money	Quiet and economical	Quiet and economical	High-power	High-power
Wall mounting	x	x	x	x		
Floor installation			x	x	x	x
Dehumidification capacity	32 kg/day	52 kg/day	30 kg/day	58 kg/day	86 kg/day	108 kg/day
Temperature range	5 - 34 °C	5 - 34 °C	5 - 34 °C	5 - 34 °C	5 - 34 °C	5 - 34 °C
Sound level (in 1m)	52 dB(A)	52 dB(A)	46 dB(A)	48 dB(A)	57 dB(A)	57 dB(A)
Power supply	230 V	230 V	230 V	230 V	230 V	400 V
Rated input power	0.85kW	1.24kW	0.51kW	0.98kW	1.46kW	1.95kW
Air flow	400 m ³ /h	750 m ³ /h	440 m ³ /h	740 m ³ /h	750/925 m ³ /h	800/1000 m ³ /h
Length x depth x height (mm)	653 x 780 x 255	653 x 1245 x 255	1000 x 880 x 300	1000 x 1345 x 300	792 x 1520 x 385	792 x 1520 x 385
Weight	37 kg	58 kg	57 kg	74 kg	143 kg	144 kg
Stand brackets	-	-	Standard	Standard	Standard	Standard
Automatic defrost integrated*	Standard	Standard	Standard	Standard	Standard	Standard