



PAHLEN PREMIUM SERIES



MAXI-FLO / HI-FLOW

COMPACT / AQUA / MIDIHEAT

A HEATING POWER HOUSE



Pahlén's heat exchangers represent a prime choice for distributors seeking reliable, efficient and versatile heating solutions for pools.

These units are known for their affordability and leading position in the market, thanks to their durable, fully welded construction. Some Pahlén heat exchangers have been operational for over 50 years, highlighting their exceptional longevity and quality.

Crafted from the finest materials, including options in stainless steel or titanium, they ensure compatibility with both fresh and saltwater pools, adapting to all water qualities. Their high efficiency is attributed to a simple yet reliable design, offering fast heating with minimal noise, truly silent operation. The full-flow design minimizes pressure loss, enhancing operational efficiency.

Manufactured in Sweden, these heat exchangers are designed for quick heating times. Their competitive pricing, coupled with a robust design that suits all heat sources and water types, positions them as a top choice for distributors. Comprehensive manuals and a product selection calculator facilitate the right choice for specific pool needs, underscoring Pahlén's commitment to ease of use and customer satisfaction.

Pahlén pool heat exchangers for fast and flexible heating.

All the models can be installed and connected to electrical heater, wood burner, pellets or oil-fired boilers, heat pump or solar panel systems. The heat exchangers are designed and made of materials that permit their use for a wide variety of needs and in many different types of installations.



MAXI-FLO / HI-FLOW
Titanium



MAXI-FLO / HI-FLOW
acid proof stainless steel
EN 1.4404

	Maxi-Flo titanium	Maxi-Flo	Hi-Flow titanium	Hi-Flow
Corrosion resistant	✓	✓	✓	✓
Saltwater resistant	✓		✓	
Connects to existing heat source	✓	✓	✓	✓
For installations with high pressure			✓	✓
Pocket for temperature probe			✓	✓
Mounted horizontally			✓	✓
Mounted vertically	✓	✓		
Can be connected in series	✓	✓	✓	✓

Maxi-Flo Titanium

The Pahlén Maxi-Flo Titanium swimming pool heater combines cutting-edge technology with the unrivaled durability of titanium, making it the perfect choice for businesses seeking a reliable and energy-efficient heating solution. Designed to provide superior heat transfer, the Maxi-Flo Titanium heats up the water while minimizing energy consumption, ensuring reduced operational cost.

Its advanced titanium construction offers exceptional resistance to corrosion and wear, even in the harshest water environments, guaranteeing a long service life with minimal maintenance. Maxi-Flo Titanium is ideal for swimming pools with salt water or when a salt chlorinator is used.

With high capacity, the Maxi-Flo Titanium is the optimal solution for pools of all sizes. Trust Pahlén for a cost-effective, durable and environmental friendly heating solution that stands the test of time.

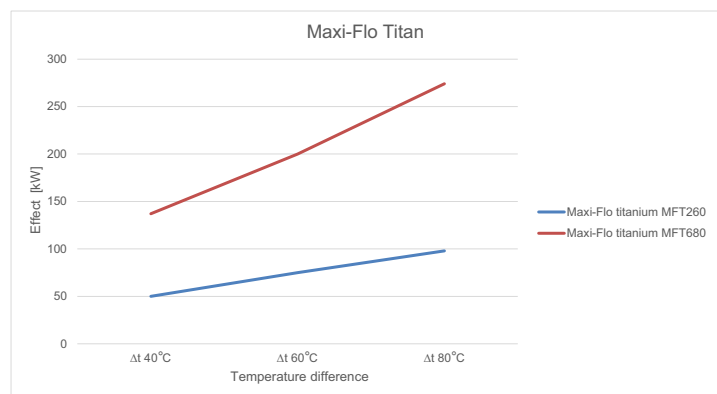
Maximum pressure secondary circuit (pool water) is 5 bar for 75kW, 4 bar for 200kW and primary circuit (hot water) is 10 bar for both.



Maxi-Flo titanium is a **tube heat exchanger** with **twisted** tube pipes for **optimal** heating. **Titanium** is the **ideal** material when a **salt chlorinator** is used.

Features

- Titanium
- Precision-welded outer jacket
- Coil for heating medium
- Available in 75 and 200kW
- Optimal solution for salt water pools
- Compact and durable design for life time operation.
- Easy installation and maintenance
- Connects to existing heat source
- Ideal for both private and commercial swimming pools
- Suits all installations
- Mounted vertically



Item no.	Type	standard output power ΔT 60°C	flow (l/min)	Primary			Secondary			temp. max (°C)	ΔT 40°C kW	ΔT 80°C kW
				pressure loss (bar)	pressure max (bar)	flow (l/min)	pressure loss (bar)	pressure max (bar)				
11377	T260	75 kW	35	0.09	10	300	0.18	5	120	50	98	
11380	T680	200 kW	95	0.01	10	600	0.3	4	120	137	274	

Maxi-Flo

The Pahlén Maxi-Flo is a high-quality heat exchanger designed to optimize the heating of all types of swimming pools, regardless of size or installation type. With its robust construction and advanced technology, the Maxi-Flo ensures efficient and cost-effective heat transfer between the external heat source and the pool's water circuit, such as a heat pump or boiler.

The heat exchanger is made of acid proof stainless steel EN 1.4404, for long lifespan. Simple installation using the stainless steel adjustable attachments that are included.

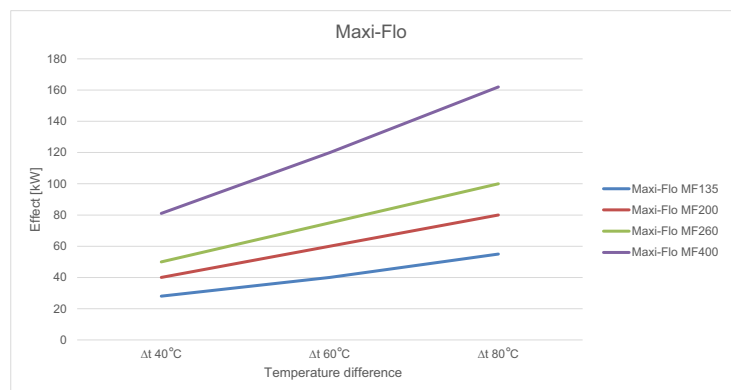
Maximum pressure secondary circuit (pool water) is 5 bar and primary circuit (hot water) is 10 bar.



Maxi-Flo is a tube heat exchanger with excellent heating properties, made of acid proof stainless steel for optimum durability.

Features

- Acid proof stainless steel EN 1.4404
- Precision-welded outer jacket
- 37 seamless pipes equipped with flow restrictors for hot water.
- Adjustable brackets of acid proof stainless steel.
- Compact and durable design for long term operation.
- Easy installation and maintenance
- Four sizes: 40, 60, 75 and 120 kW
- Connects to existing heat source
- Can be connected in series when needed
- Mounted vertically



Item no.	Type	standard output power ΔT 60°C	flow (l/min)	pressure loss (bar)	Primary		Secondary			temp. max (°C)	ΔT 40°C kW	ΔT 80°C kW
					pressure max (bar)	flow (l/min)	pressure loss (bar)	pressure max (bar)				
11365	MF135	40	25	0,08	10	200	0,005	5	90	28	55	
11366	MF200	60	30	0,14	10	250	0,015	5	90	40	80	
11367	MF260	75	35	0,1	10	300	0,04	5	90	50	100	
11368	MF400	120	50	0,15	10	360	0,05	5	90	81	162	

Hi-Flow Titanium

The Pahlén Hi-Flow titanium is a spiral heat exchanger made of titanium and is ideally used when dealing with high pressures and temperatures. Its compact and efficient design makes it well suited for situations where even flow distribution and high heat transfer are needed. The Pahlén Hi-Flow titanium heat exchanger features a unique spiral design that maximizes heat transfer efficiency while minimizing space requirements. Using a thermowell for the temperature sensor not only protects it from direct contact with the fluid or gas flowing through the system, it also provides a more accurate reading of the temperature.

Its titanium construction offers exceptional resistance to corrosion and wear, even in the harshest water environments, guaranteeing a long service life with minimal maintenance. Hi-Flow titanium is perfect for use in salt water swimming pools or when a salt chlorinator is used.

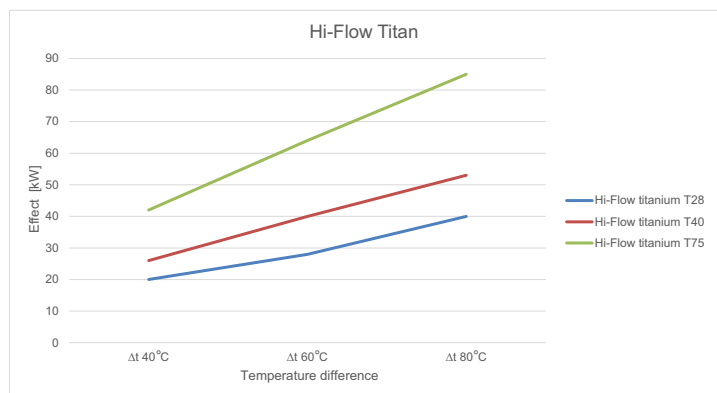
Maximum pressure secondary circuit (pool water) is 5 bar and primary circuit (hot water) is 30 bar.



Hi-Flow titanium is a spiral heat exchanger made of titanium, the ideal material when a salt chlorinator is used. Suitable for installations with high pressure.

Features

- Titanium
- Precision-welded outer jacket
- Coil for heating medium
- Connections with internal thread (secondary side).
- Pocket for temperature probe
- Optimal solution for salt water pools
- Compact and durable design for life time operation.
- Easy installation and maintenance
- Connects to existing heat source
- Adjustable brackets of acid proof stainless steel.
- Ideal for private swimming pools
- Three sizes 28, 40 and 75 kW
- Mounted horizontally



Item no.	Type	standard output power ΔT 60°C	flow (l/min)	Primary			Secondary			temp. max (°C)	ΔT 40°C kW	ΔT 80°C kW
				pressure loss (bar)	pressure max (bar)	flow (l/min)	pressure loss (bar)	pressure max (bar)				
11332	HF13	28	20	0,1	30	300	0,11	5	130	28	32	
11333	HF28	40	40	0,23	30	350	0,17	5	130	40	33	
11334	HF40	75	45	0,52	30	350	0,17	5	130	75	34	

Hi-Flow

Pahlén Hi-Flow is a spiral heat exchanger made of acid proof stainless steel EN 1.4404, for long lifespan. Its ideally used when dealing with high pressures and temperatures. Its compact and efficient design makes it well suited for situations where even flow distribution and high heat transfer is needed. Maxi-Flo features a unique spiral design that maximizes heat transfer efficiency while minimizing space requirements. Using a thermowell for the temperature sensor not only protects it from direct contact with the fluid or gas flowing thru the system, it also provides a more accurate reading of the temperature.

Its titanium construction offers exceptional resistance to corrosion and wear, even in the harshest water enviroments, guaranteeing a long service life with minimal maintenance. Hi-Flow titanium is perfect for use in salt water swimming pools or when a salt chlorinator is used.

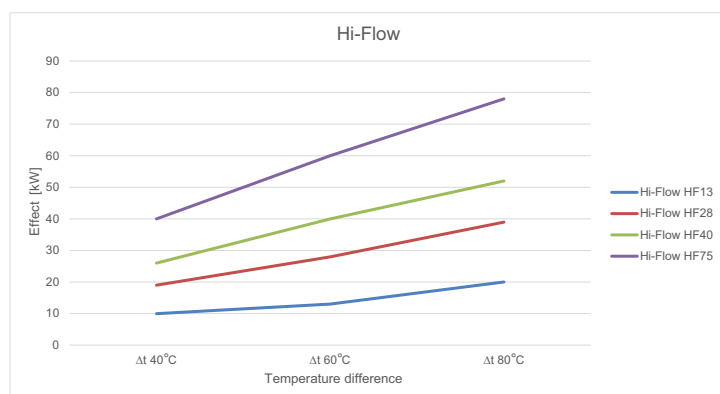
Maximum pressure secondary circuit (pool water) is 8 bar and primary circuit (hot water) is 30 bar.



Hi-Flow is a **spiral heat exchanger** for installations with **high pressure** made of stainless steel for optimal **durability**.

Features

- Acid proof stainless steel EN 1.4404
- Precision-welded outer jacket
- Coil for heating medium
- Ideal for installations with high pressure
- Pocket for temperature probe
- Compact and durable design for long term operation.
- Easy installation and maintenance
- Adjustable brackets of acid proof stainless steel
- Four sizes: 13, 28, 40 and 75 kW
- Connects to existing heat source
- Mounted horizontally



Item no.	Type	standard output power ΔT 60°C	Primary			Secondary			temp. max (°C)	ΔT 40°C kW	ΔT 80°C kW
			flow (l/min)	pressure loss (bar)	pressure max (bar)	flow (l/min)	pressure loss (bar)	pressure max (bar)			
11391	HF13	13	25	0,09	30	200	0,06	8	130	10	20
11392	HF28	28	25	0,17	30	300	0,16	8	130	19	39
11393	HF40	40	60	0,13	30	300	0,16	8	130	26	52
11394	HF75	75	60	0,26	30	300	0,11	8	130	40	78



Choosing Pahlén's electric heaters is a strategic decision for those looking for reliable, versatile, and cost-effective heating solutions.

As a global leader in the market, Pahlén offers a wide range of models suitable for everything from small hot tubs to large pools. These heaters are available in both stainless steel and titanium versions, accommodating both freshwater and saltwater environments.

Installation is straightforward, ensuring that these units can be easily integrated or retrofitted into existing systems. Their design is compact, making them an ideal fit for any space. Furthermore, the heaters are manufactured in Sweden, guaranteeing quality, reliable delivery, and availability of spare parts. They are also certified to meet global standards.

Pahlén's electric heaters provide rapid heating, are efficient with a low pressure drop, and can perfectly pair with solar panels for an eco-friendly solution. The brand's long-standing tradition and experience in the field underscore our commitment to delivering dependable and efficient heating options. This makes Pahlén's electric heaters an excellent choice for distributors aiming to offer high-quality, flexible heating solutions to our customers.

Efficient Pool Heating: Combine Pahlén's Electric Heaters with Solar Power for Maximum Performance

As demand grows for energy-efficient and sustainable solutions in the pool industry, combining a Pahlén electric heater with solar panels offers an ideal heating system for commercial and residential swimming pools alike. This hybrid setup provides both cost effective operation and reliable performance, giving your clients the best of both worlds.

Pahlén electric heaters are designed for precision control, reliability, and high energy efficiency.

Key Benefits

Energy Efficiency: Solar panels provide free, renewable energy. Using electrical heaters when the solar panels generates a surplus of electricity will keep the operating cost to a minimum.

Cost Savings: Lower operational costs thanks to reduced reliance on the grid. Ideal for eco-conscious clients looking to reduce their energy bills.

Easy Integration: Pahlén electric heaters are compatible with most automation systems and can be easily integrated into existing solar powered pool setups.

Year-Round Comfort: Even when solar input is low, the electric heater ensures the pool maintains optimal temperature - extending the swimming season.

Offer a Smart, Sustainable Heating Solution

By recommending a Pahlén electric heater in combination with solar panels, you're not just offering a product - you're delivering a smart, future-ready heating solution. Give your customers peace of mind with reliable pool temperatures, lower energy bills, and a reduced environmental footprint.

ELECTRIC HEATERS

EN 17645 standard

The score for heating systems is calculated on the basis of the SCOP (seasonal energy performance coefficient). This is the average weighted value of three COPs measured at cold, medium and hot temperatures. The COP measures the efficiency of a electric heater, i.e. the ratio between the energy used and the heat produced. The other dimensions indicated on the label but not included in the calculation of the score provide the user with information on:



Power supply

The energy reduction coefficient is expressed in %.



Noise level

Indicates the noise level measured in dBA.



Renewable energy

Self-contained equipment, not connected to the mains and powered by a renewable energy source



Power supply

Absorbed electric power on the mains in active mode

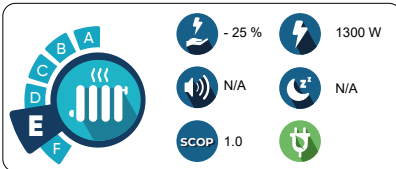


Power supply

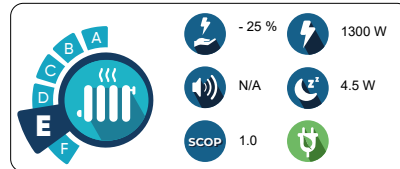
Power in stand-by-mode.

Example of our electric heaters

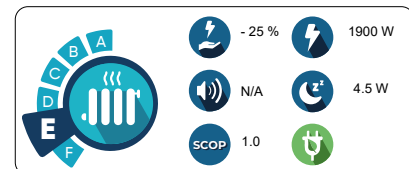
Compact / Aqua compact



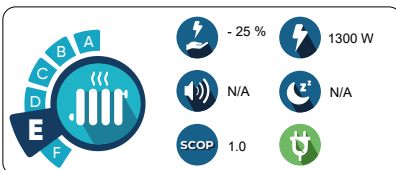
Aqua HL



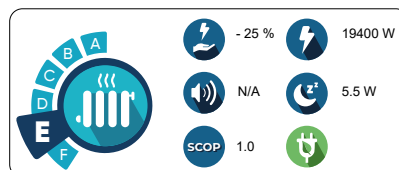
Aqua spa



MidiHeat EHA



MidiHeat EHD



The EN 17645 standard evaluates the effectiveness of the environmental performance of domestic swimming pools and their equipment. The standard applies to permanently installed outdoor domestic swimming pools.

Pahlén's electric heaters heats the water easily and effectively.

All Pahlén heaters are compact and can be installed in all kinds of swimming pools, spas and large public facilities. The materials used are acid proof stainless steel EN 1.4404, Incoloy 825, titanium and thermoplastic. All electric heaters are designed for continuous flow with the lowest possible pressure drop.

Compact 3-18kW

Supplied with a thermostat 0-45°C and overheating cut out. A flow switch or pressure switch protects the heating element from damage if the flow to the heater is insufficient.

These electric heaters are available in both titanium/Nic-Tech and acid proof stainless steel EN 1.4404/Incoloy 825.

All compact electric heaters are delivered with a 2" heating element. Max. pressure: 4 bar.



Features

- Body and pipework of acid proof stainless steel EN 1.4404.
- Heating elements of Incoloy 825
- Selected models with body made of titanium and Nic-Tech treated heating elements
- Equipped with thermostat, overheating cut out and flow switch or pressure switch.
- Small and compact
- Adjustable brackets of acid proof stainless steel
- Connection 1 1/2" inlet and 2" outlet

Technical data	With flow switch	With pressure switch
Max temperature	60°C	60°C
Max pressure	2.5 bar	4 bar
Min. flow 3-9kW min	85 l/min	20 l/min
Min. flow 12-18kW	85 l/min	40 l/min

With flow switch. Max 2.5 bar

Unipolar thermostat 0-45°C, flow switch, unipolar high limit control 60°C

Item no.	Type	kW	Ampere 3-phase	
			230V	400V
13981403*	11F30	3.0	8	5
13981406*	11F60	6.0	15	9
13981409*	11F90	9.0	23	14
13981412*	11F120	12.0	31	18
13981415*	11F150	15.0	38	22
13981418*	11F180	18.0	46	27

With pressure switch. Max 4 bar

Unipolar thermostat 0-45°C, pressure switch, unipolar high limit control 60°C

Item no.	Type	kW	Ampere 3-phase	
			230V	400V
13982403	11P30	3.0	8	5
13982406	11P60	6.0	15	9
13982409	11P90	9.0	23	14
13982412	11P120	12.0	31	18
13982415	11P150	15.0	38	22
13982418	11P180	18.0	46	27

Available with outer housing made of titanium and Nic-Tech treated heating element. With a 10 year warranty.

Titanium heaters are designed for pools with very aggressive water, large quantities of chlorides and where there is a high risk for corrosion, e.g. in pools with salt water.

When ordering titanium model, add a "T" after the item no. Applies to the following article 139814xxT.

Aqua Compact 3-18kW

Electric heater made of reinforced thermoplastic for extra strength. Heating element made of Incoloy 825 or titanium for extra safety in installations where there is a high risk of corrosion, e.g. salt water pools.

Supplied with a thermostat 0-45°C for adjusting pool temperature as well as overheating cut out and flow switch.

Connections with 1 ½" pipe or 1 ½" threaded are available separate.



Features

- Electric heater made of fibreglass reinforced thermoplastic
- Housing of thermoplastic
- Horizontal installation
- Heating elements of Incoloy 825 or titanium
- Equipped with thermostat, overheating cutout and flow switch
- Slip connections for bonding of Ø 50 mm pipes

Technical data

Max temperature	60°C
Max pressure	2.5 bar
Min. Flow	90 l/min
Max Flow	300 l/min

Incoloy 825 heating element		Ampere 3-phase		
Item no.	Type	kW	230V	400V
141600	AC30	3.0	8	5
141601	AC60	6.0	15	9
141602	AC90	9.0	23	14
141603	AC120	12.0	31	18
141604	AC150	15.0	38	22
141605	AC180	18.0	46	27

Unipolar thermostat 0-45°C, flow switch, unipolar high limit control 60°C

Titanium heating element		Ampere 3-phase		
Item no.	Type	kW	230V	400V
141600T	AC30T	3.0	8	5
141601T	AC60T	6.0	15	9
141602T	AC90T	9.0	23	14
141603T	AC120T	12.0	31	18
141604T	AC150T	15.0	38	22
141605T	AC180T	18.0	46	27

Unipolar thermostat 0-45°C, flow switch, unipolar high limit control 60°C

Aqua spa 1.5-2.0kW

A small, compact heater for spa pools and small swimming pools. It is available with capacities from 1.5 to 2.0 kW. The heater is made of thermoplastic and has a heating element made of Incoloy 825. Adjustable thermostat, overheating cut out and flow switch are standard.

Connections with 1 ½" pipe or 1 ½" threaded are available separate.

Suitable for spa, hot tubs and smaller pools.



Features

- Electric heater made of fibreglass reinforced thermoplastic
- Housing of thermoplastic
- Horizontal installation
- Heating elements of Incoloy 825
- Equipped with thermostat, overheating cutout and flow switch
- Slip connections for bonding of Ø 50 mm pipes

Technical data

Max temperature	60°C
Max pressure	1 bar
Min. Flow	90 l/min
Max Flow	300 l/min

Technical data 1-phase 230V

Item no.	Type	kW	Length mm	Ampere
141650	AS15	1.5	200	7
141651	AS20	2.0	200	9

Aqua HL 3-15kW

Aqua HL has a digital control, where the desired pool temperature can easily be set and the current pool temperature is shown in the LED display.

In addition to an overheating protection and a flow switch, the heater has built-in contactors, that simplifies the installation of the heater. Rated output 3-15 kW. Made of thermoplastic with heating element made of Incoloy 825 or titanium.

Connections with 1 ½" pipe or 1 ½" threaded are available separate.



Features

- Capacity range 3-15kW
- Aqua HL comes with built-in contactors and electronics
- Digital control and display
- Made of reinforced thermoplastic
- Horizontal installation
- Heating elements of Incoloy 825 or titanium
- Equipped with overheating cut out and flow switch
- Dual built-in contactors as per electrical safety standards
- Slip connections for bonding of Ø 50 mm pipes

Technical data

Max temperature	60°C
Min. temperature	5°C
Max pressure	2 bar
Min. Flow	90 l/min
Max Flow	300 l/min

Incoloy 825 heating element		Ampere 3-phase	
Item no.	Type	400V	415V
141800	D30	3.0kW 5A	3.5kW 5A
141801	D60	6.0kW 9A	6.5kW 9A
141802	D90	9.0kW 13A	10kW 14A
141803	D120	12.0kW 18A	13kW 18A
141804	D150	15.0kW 22A	16.2kW 23A
		1-phase 230V	3-phase 230V
141820	DS30-230	3.0kW 13A	-
141821	DS60-230	6.0kW 26A	-

Titanium heating element		Ampere 3-phase	
Item no.	Type	400V	415V
141800T	D30T	3.0kW 5A	3.5kW 5A
141801T	D60T	6.0kW 9A	6.5kW 9A
141802T	D90T	9.0kW 13A	10kW 14A
141803T	D120T	12.0kW 18A	13kW 18A
141804T	D150T	15.0kW 22A	16.2kW 23A
		1-phase 230V	3-phase 230V
141820T	DS30T-230	3.0kW 13A	-
141821T	DS60T-230	6.0kW 26A	-

MidiHeat 18-72kW

MidiHeat is manufactured from materials of the highest quality. The casing made of powder coated zinc sheet not only gives the product a very stable construction, it also makes the product highly resistant against corrosion.

MidiHeat has a temperature range of 8-45°C. Heating elements of titanium do not only make the heating highly effective, it also makes the heating element fully corrosion resistant.

Additional safety

For optimal safety and in accordance with applicable electrical safety standards MidiHeat has two built-in contactors for each heating element. A built-in flow switch and overheat cut out accompanied by an external input for pool water circulation.

MidiHeat functions extremely well in fresh water pools and in pools fitted with a salt chlorinator.



MidiHeat Analog EHA

MidiHeat Digital EHD



Control panel for MidiHeat Digital

- Digital temperature control 8-45°C.
- Master/slave - connect up to nine heaters and control them with a master.
- Activation delay - adjustable delay time for sequential start of the heating elements, 5-60 seconds.
- Temperature offset - manually adjust the actual pool temperature, up to ±4°C.
- Restore factory settings - option for resetting all settings.
- Error codes - automatic storing of the last ten error messages.

Features

- MidiHeat has two built-in contactors for each element
- Capacity 18-72kW
- Connect up to nine heaters and control them with a master unit
- MidiHeat casing is made of powder coated zinc sheet.
- Heat barrel in fibreglass reinforced polypropylene
- Heating elements of titanium
- Equipped with overheating cut out and flow switch
- Third-party tested and certified
- Slip connections for bonding of Ø 63 mm tube.

Technical data

Max temperature	60°C
Max pressure	2 bar
Min. Flow	170 l/min
Max Flow	300 l/min

Technical data MidiHeat Digital EHD 380-415V/230V

Capacity	Item no.	3~400V	3~415V
18kW = 2x9kW	1511018T	18kW 26A	19,5kW 27A
24kW = 2x12kW	1511024T	24kW 35A	26kW 36A
30kW = 2x15kW	1511030T	30kW 43A	32kW 45A
36kW = 3x12kW	1511036T	36kW 52A	39kW 54A
45kW = 3x15kW	1511045T	45kW 66A	49kW 69A
60kW = 4x15kW	1511060T	60kW 87A	65kW 90A
72kW = 4x18kW	1511072T	72kW 104A	78kW 108A

Technical data MidiHeat Analog EHA 380 - 415V/230V

Capacity	Item no.	3~400V	3~415V
18kW = 2x9kW	1512018T	18kW 26A	19,5kW 27A
24kW = 2x12kW	1512024T	24kW 35A	26kW 36A
30kW = 2x15kW	1512030T	30kW 43A	32kW 45A
36kW = 3x12kW	1512036T	36kW 52A	39kW 54A
45kW = 3x15kW	1512045T	45kW 66A	49kW 69A
60kW = 4x15kW	1512060T	60kW 87A	65kW 90A
72kW = 4x18kW	1512072T	72kW 104A	78kW 108A

Electric Pool Heating Solutions for Distributors, Installers and Commercial Operators

Pahlén electric heaters offer distributors a premium, versatile and reliable heating solution suitable for a full range of pool environments. With models available in both stainless steel and titanium, you can supply your customers with equipment that meets the demands of freshwater or aggressive saltwater systems. Manufactured in Sweden and certified to international standards, Pahlén heaters ensure consistent quality, dependable delivery and long-term spare parts availability—making them an excellent addition to any professional product portfolio.

Installers appreciate Pahlén’s electric heaters for their compact footprint, straightforward integration and robust construction. Each unit is equipped with built-in safety controls—thermostat, overheat protection and a flow/pressure switch—ensuring safe operation under varying flow conditions. With pressure ratings up to 4 bar, corrosion-resistant materials, and their compatibility with solar systems, these heaters are easy to install and built to withstand their demanding environments.

For commercial pool operators looking for dependable performance and low maintenance costs, Pahlén electric heaters provide rapid, energy-efficient heating and exceptional durability. Titanium versions handle aggressive saltwater systems with ease, while all models maintain stable temperatures and low pressure drop for optimal system performance. When paired with solar energy, Pahlén heaters offer a highly efficient hybrid solution—reducing energy bills while ensuring year-round comfort for guests and visitors.



Electric Heater Comparison – Technical Overview

Features	Compact w. flow switch	Compact w. pressure switch	Aqua compact	Aqua HL	Aqua Spa	MidiHeat
Min. Flow	85 l/min	20/40 l/min*	90 l/min	90 l/min	90 l/min	170 l/min
Max Flow	300 l/min	300 l/min	300 l/min	300 l/min	300 l/min	300 l/min
Max Pressure	2.5 bar	4 bar	2.5 bar	2 bar	1 bar	2 bar
Casing	EN 1.4404/Titanium	EN 1.4404/Titanium	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic/Zinc
Contactors	Not included	Not included	Not included	Included/built-in	Not included	Included/Built in
Connections	In: 1½" Out: 2"	In: 1½" Out: 2"	Ø 50mm	Ø 50mm	Ø 50mm	Ø 63mm
Heating element	Incoloy 825/Nic-Tech	Incoloy 825/Nic-Tech	Incoloy 825/Titanium	Incoloy 825/Titanium	Incoloy 825	Titanium
Saltwater suitable	Yes (Titanium/Nic-Tech)	Yes (Titanium/Nic-Tech)	Yes (Titanium)	Yes (Titanium)	No	Yes
Temperature control	Analogue	Analogue	Analogue	Digital	Analogue	Digital (EHD)

3-9 kW resp. 12-18kW*



Aqua spa

Suitable for spa, hot tubs and smaller pools.



Aqua Compact / Aqua HL / Compact

This electric heaters are most suitable for private swimming pools up to 75 (m³).



MidiHeat

For larger swimming pools, hotels and commercial pools.

Pahlén Electric Heaters – Compact, Durable and Efficient

Pahlén's electric heaters deliver reliable and energy-efficient water heating for pools, spas and public aquatic facilities. Manufactured in Sweden from premium corrosion-resistant materials—including EN 1.4404 stainless steel, Incoloy 825, titanium and Nic-Tech treated elements—they offer long service life even in demanding saltwater environments. Their compact design allows quick installation in both new and existing systems, and all models are built for continuous flow with minimal pressure drop.



Calculation of electric heaters

The amount of hours in theory it takes to heat up the pool based on volume and the capacity (kw) of the heaters.

Example: the pool is 100 m³ and a heater of 24kW takes 87 hours to heat up to 28°C from 10°C.



		ΔT=18 (10°C - 28°C)											
		kW											
Volume		3	6	9	12	15	18	24	30	36	45	60	72
10 m ³		70	35	23	17	14	12	9	7	6	5	4	3
15 m ³		105	52	35	26	17	14	9	7	6	5	4	3
25 m ³		174	87	58	44	35	29	22	17	15	12	9	7
45 m ³		314	157	105	78	63	52	39	31	26	21	16	13
70 m ³		-	-	163	122	98	81	61	49	41	33	24	20
100 m ³		-	-	-	174	140	116	87	70	58	47	35	29
150 m ³		-	-	-	-	-	-	131	105	87	70	52	44
200 m ³		-	-	-	-	-	-	-	140	116	93	70	58
250 m ³		-	-	-	-	-	-	-	-	145	116	87	73
300 m ³		-	-	-	-	-	-	-	-	-	140	105	87
350 m ³		-	-	-	-	-	-	-	-	-	-	122	102

Pahlén AB

Box 728, 194 27 Upplands Väsby, Sweden
e-mail: info@pahlen.se, www.pahlen.com

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