



Pahlén – Swedish design and manufacture since 1967

We make the difference!

Pahlén Heat Exchanger





Maxi-Flo titanium 75-200kW

Maxi-Flo titanium is a tube heat exchanger made of titanium for the most demanding installations where there is a high risk of corrosion. Titanium is ideal for swimming pools with salt water or when a salt chlorinator is used.

Titanium for maximum heat transfer. Connects to boiler, heat pump, solar panel system or other heat source. Suits all installations.

Features

- Titanium
- Twisted tubes for the heating medium
- Available in 75 and 200kW
- Suits all installations
- Mounted vertically

Technical data

Item no.	Type	Capacity			Primary, hot water		Secondary, pool water	
		kW	kBtu/h	kcal	l/min	press. drop H (m)	l/min	press. drop H (m)
11377	MFT260	75	260	64 488	35	0.9	300	1.8
11380	MFT680	200	680	172 000	95	0.1	600	3

Capacity at a temperature difference of 60°C

Maxi-Flo 40-120kW



Maxi-Flo is a tube heat exchanger with excellent heating properties. It is made of acid proof stainless steel EN 1.4404 for optimum durability. Simple installation using the stainless steel adjustable attachments that are included.

Features

- Acid proof stainless steel EN 1.4404, AISI 3166
- Precision-welded outer jacket
- 37 seamless pipes equipped with flow restrictors for hot water
- Adjustable brackets of acid proof stainless steel
- Four sizes: 40, 60, 75 and 120 kW
- Connects to existing heat source
- Can be connected in series when needed.
- Mounted vertically

Technical data									
Item no.	Type	Capacity			Primary, hot water		Secondary, pool water		
		kW	kBtu/h	kcal	l/min	press. drop H (m)	l/min	press. drop H (m)	kg
11365	MF135	40	135	34 394	25	0.05	200	0.8	3.4
11366	MF200	60	200	51 590	30	0.15	250	1.4	4.5
11367	MF260	75	260	64 488	35	0.4	300	1.0	5.6
11368	MF400	120	400	103 181	50	0.5	360	1.5	9.3
10083002	Coupling 2" in case of series connection of 11367 or 11368.								1.3
Capacity at a temperature difference of 60°C									



Hi-Flow titanium 28-75kW

Hi-Flow titanium is a spiral heat exchanger made of titanium for the most demanding installations where there is a high risk of corrosion. Titanium is ideal for swimming pools with salt water or when a salt chlorinator is used. Adjustable stainless steel attachments included.

Features

- Titanium
- Connections with interior thread (secondary side)
- Coil for the heating medium
- Pocket for temperature probe
- Adjustable brackets of acid proof stainless steel
- Three sizes 28, 40 and 75 kW
- Connects to existing heat source
- Mounted horizontally

Technical data

Item no.	Type	Capacity			Primary, hot water		Secondary, pool water		kg
		kW	kBtu/h	kcal	l/min	press. drop H (m)	l/min	press. drop H (m)	
11332	T28	28	95	24 075	20	1.0	300	1.1	1.9
11333	T40	40	135	34 393	40	2.3	350	1.7	2.0
11334	T75	75	260	64 488	45	5.2	350	1.7	2.9

Capacity at a temperature difference of 60°C for 11332 and 11333. Capacity at a temperature difference of 70°C for 11334.



Hi-Flow 13-75kW

Hi-Flow is a spiral heat exchanger made of acid proof stainless steel EN 1.4404 for installations that operate under high pressure. Simple installation with the included adjustable stainless steel attachments.

Features

- Acid proof stainless steel EN 1.4404, AISI 3166
- Precision-welded outer jacket
- Coil for heating medium
- Pocket for temperature probe
- Adjustable brackets of acid proof stainless steel
- Four sizes: 13, 28, 40 and 75 kW
- Connects to existing heat source
- Mounted horizontally

Technical data

Item no.	Type	Capacity			Primary, hot water		Secondary, pool water		kg
		kW	kBtu/h	kcal	l/min	press. drop H (m)	l/min	press. drop H (m)	
11391	HF13	13	45	11 177	25	0.9	200	0.6	1.9
11392	HF28	28	95	24 075	25	1.7	300	1.6	3.2
11393	HF40	40	135	34 393	60	1.3	300	1.6	3.4
11394	HF75	75	260	64 488	60	2.6	300	1.1	5.3

Capacity at a temperature difference of 60°C for 11391 and 11392. Capacity at a temperature difference of 70°C for 11393 and 11394.



Hi-Temp titanium 40-75kW

Hi-Temp titanium is a spiral heat exchanger made of thermoplastic with a high glass content for extra durability. With a coil of titanium for the most demanding installations where there is a high risk of corrosion, such as in pools with salt water or where a salt chlorinator is used.

Features

- Outer jacket of thermoplastic
- Hot water coil made of titanium
- Integrated wall-mounting
- Slip connections for bonding of Ø 50 mm pipes
- Two sizes 40 and 75kW
- Connects to existing heat source
- Mounted horizontally or vertically

Technical data

Item no.	Type	Capacity			Primary, hot water		Secondary, pool water		kg
		kW	kBtu/h	kcal	l/min	press. drop H (m)	l/min	press. drop H (m)	
11322	HTT 40	40	135	34 393	52	1.5	300	1.1	2.3
11324	HTT 75	75	260	64 488	58	2.5	300	1.2	3.5

Capacity at a temperature difference of 60°C

Hi-Temp 40-75kW



Hi-Temp is a spiral heat exchanger made of thermoplastic with a high glass content for extra durability, and with a coil of acid proof stainless steel EN 1.4404.

Features

- Outer jacket of thermoplastic
- Hot water coil made of acid proof stainless steel
- Integrated wall-mounting
- Slip connections for bonding of Ø 50 mm pipes
- Two sizes 40 and 75 kW
- Connects to existing heat source
- Mounted horizontally or vertically

Technical data									
Item no.	Type	Capacity			Primary, hot water		Secondary, pool water		kg
		kW	kBtu/h	kcal	l/min	press. drop H (m)	l/min	press. drop H (m)	
11312	HT40	40	135	34 393	34	1.9	300	1.3	1.8
11314	HT75	75	260	64 488	43	5.5	300	1.7	2.3

Capacity at a temperature difference of 60°C



Aqua MEX

Aqua MEX is made of high quality materials, fiberglass reinforced polypropylene and a high effective coil made of titanium. Our line gives the best possible heating capacity and resistance against aggressive water. Aqua MEX is compact, fully equipped, easy to install and use.

Features

- Aqua MEX fully equipped comes complete with flow switch, check valve, temperature sensor, three-step single-phase circulation pump and electronics
- Economic - lower installation and operation costs
- Capacity range 40, 70kW. Standard also available as 100kW
- Digital control and display
- The housing and cabinet are made of fiberglass reinforced polypropylene
- Straight flow Ø 63 mm (2") pipe
- Coil made of titanium or stainless steel EN 1.4404
- Connects to existing heat source
- IP44 (International Protection Rating)
- Standard version without controller and pump
- Mounted horizontally

Technical data

Item no.	Fully equipped	Item no.	Standard	Capacity			Primary, hot water		Secondary, pool water	
				kW	kBtu/h	kcal	l/min	press. drop H (m)	l/min	press. drop H (m)
113951	AM-FE40	11316	AM40	40	135	34 393	20	0.6	250	0.4
113952	AM-FE40T	11326	AM40T	40	135	34 393	20	0.4	250	0.5
113953	AM-FE70	11317	AM70	70	240	60 200	30	1.6	300	0.5
113954	AM-FE70T	11327	AM70T	70	240	60 200	30	1.4	300	0.6
		11318	AM100	100	340	86 000	40	2.5	340	0.7
		11328	AM100T	100	340	86 000	40	2.3	340	0.8

Capacity at a temperature difference of 60°C



MidiTemp

A compact unit for digital setting and viewing of temperature for operation and control of heating products, both in already existing or new installations. Control panel with on/off mode and programmable set value 5 - 45°C. The controller has an input for external flow switch and/or overheating limit control. 230V output for operating a wide range of heating applications; heat exchangers, solar panels, electric heaters etc.

Features

- Electronic control panel with LED
- Remote view and control
- Precise temperature setting
- Controller output gives 230V (max 1A) to control a variety of heating applications; e.g. pumps, contactors, valves etc.
- Built-in protection and alarm against excessive temperature or sensor failures
- Flow switch input with time-delayed output - heating aborted with alarm when reached low pool circulation

Technical data

Power connection	220-240VAC 1~N 50Hz
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Max effect	230W
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Sealing class	IP44
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Dimensions L x W x H	170 x 50 x 160 mm
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Connection cable	3 x 0,75 mm ² , 1,5 m long
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Switch on at 0.5°C under set temperature

Switch off 0.5°C above set temperature

Connections

Control voltage	230 VAC 50Hz max 1A
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Protection switches	Potential free contacts
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