ADVANCED AQUARIUM TECHNOLOGIES

HEAT EXCHANGERS

Why waste thermal energy when you can repurpose it?

'Redeploying' thermal energy that might otherwise go to waste help lowers the environmental footprint of the aquarium, saves money and helps maintain exhibit water at appropriate temperatures.

- Premium materials construction - stainless steel external casing with titanium plates.
- Corrosion-resistant.
- Each plate is individually sealed with gaskets for both air and fluids.
- New plates can be added quickly or existing ones replaced.
- The flow distribution is alternated allowing counter-current flow for maximum efficiency.
- Simple operation and maintenance.
- Robust
- Plates can withstand high differential pressures.
- Low price-point and low operating cost.

Advanced Aquarium Technologies have pioneered unique techniques and technologies to design, build and operate inspiring and sustainable aquariums all over the world.

www.advanced-aquariums.com

TECHNICAL SPECIFICATIONS

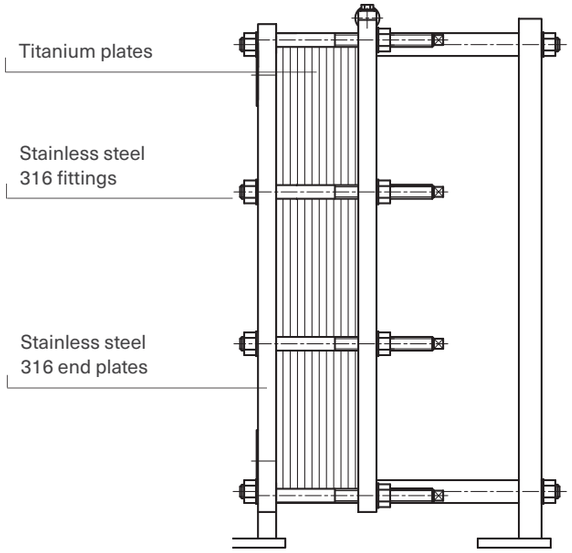
METRIC

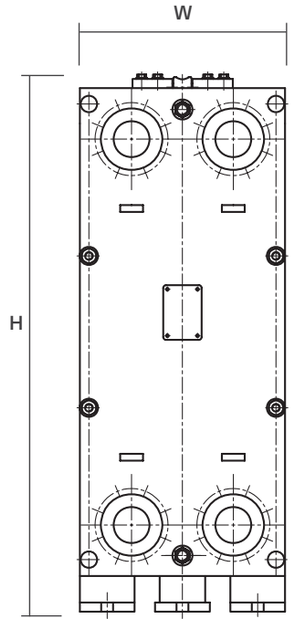
MODEL:	HE-5 kW	HE-10 kW	HE-15 kW	HE-20 kW	HE-30 kW	HE-50 kW	HE-75 kW	HE-100 kW	HE-120 kW	HE-150 kW	HE-200 kW	HE-300 kW	HE-350 kW	HE-500 kW	HE-800 kW
Nominal Cooling/Heating Capacity (kW)	5	10	15	20	30	50	75	100	120	150	200	300	350	500	800
Heat exchange area, m²	0.5	0.8	1.0	1.2	1.6	2.6	4.0	5.5	6.5	8.0	11.0	16.0	19.0	28.0	45.0
Height, H, (mm)	590						900					1175			1784
Width, W, (mm)	244						320					460			620
Vertical connection dist., VC, (mm)	420						640					846			1293
Horizontal connection dist., HC, (mm)	104						140					223			296
Connection size, flange (mm)	DN40						DN50					DN100			DN150
Max flow rate, (kg/s)	1.11	1.78	2.22	2.67	3.56	5.78	6.11	8.40	9.93	12.22	16.81	22.22	26.39	38.89	45.83
Max flow rate, (m3/h)	4	6	8	10	13	21	22	30	36	44	61	80	95	140	165
Max temperature, (°C)	150														
Max pressure, (barg)	10														
Flow principle	Parallel														
Materials	Plate - Titanium; Gasket - EPDM; Frame - Stainless steel clad														

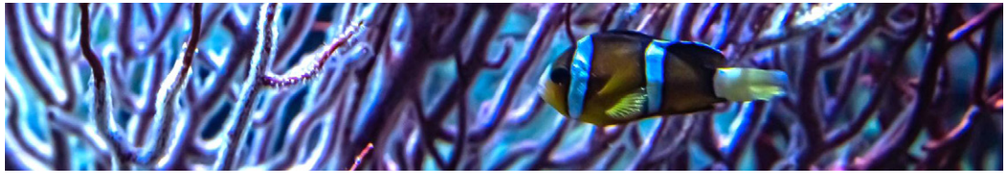
IMPERIAL

MODEL:	HE-5 kW	HE-10 kW	HE-15 kW	HE-20 kW	HE-30 kW	HE-50 kW	HE-75 kW	HE-100 kW	HE-120 kW	HE-150 kW	HE-200 kW	HE-300 kW	HE-350 kW	HE-500 kW	HE-800 kW
Nominal Cooling/Heating Capacity (kW)	5	10	15	20	30	50	75	100	120	150	200	300	350	500	800
Heat exchange area, ft²	5.4	8.6	10.8	12.9	17.2	28.0	43.1	59.2	70.0	86.1	118.4	172.2	204.5	301.4	484.4
Height, H, (inch)	23						35					46			70
Width, W, (inch)	10						13					18			24
Vertical connection dist., VC, (inch)	17						25					33			51
Horizontal connection dist., HC, (inch)	4						6					9			12
Connection size, flange (inch)	1½"						2"					4"			6"
Max flow rate, (lbs/s)	2.4	3.9	4.9	5.9	7.8	12.7	13.4	18.5	21.8	26.9	37.0	48.9	58.1	85.6	100.8
Max flow rate, (gpm)	17.6	28.2	35.2	42.3	56.4	91.6	96.9	133.2	157.4	193.7	266.4	352.2	418.3	616.4	726.5
Max temperature, (°F)	302														
Max pressure, (barg)	10														
Flow principle	Parallel														
Materials	Plate - Titanium; Gasket - EPDM; Frame - Stainless steel clad														

PRODUCT FEATURES







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