

Alternative Energy Store UK Limited

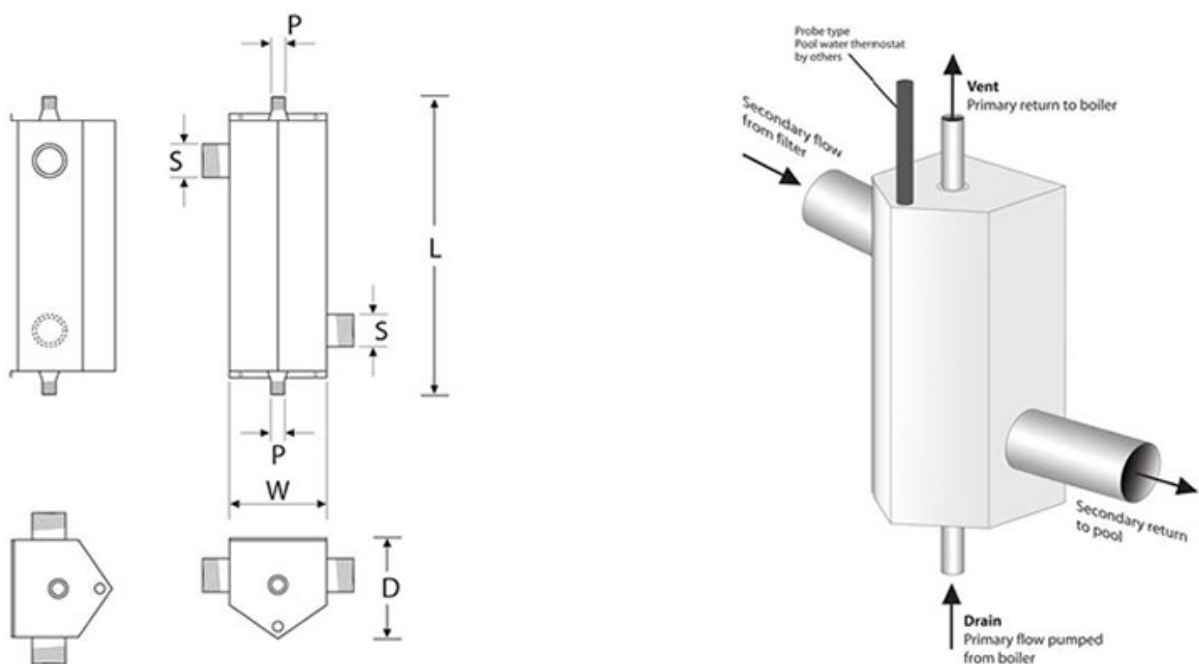
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Stainless Steel Heat Exchangers IDEAL FOR SWIMMING POOLS, KOI PONDS AND SOLAR

Heat Exchanger Specifications

Code Numbers		60	100	130	170	230	460
*Maximum Output :-	B.T.U. Kw	60,000 17.6	100,000 29.3	130,000 38.1	170,000 49.8	230,000 67.4	460,000 134.7
Filter Secondary Flow :-	gpm m3/hr	15 4	24 7	31 9	41 11	65 18	103 29
Boiler Primary Flow :-	gpm m3/hr	6 2	9 3	11 3	15 4	20 6	38 10
Primary Water Design Flow Temperature :-	° C ° F	82 180	82 180	82 180	82 180	82 180	82 180
Primary Water Design Return Temperature :-	° C ° F	71 160	71 160	71 160	71 160	71 160	71 160
Primary Head Loss :-	ft mb	1 40	2 80	2½ 95	3 110	3¾ 130	5 150
Dimensions							
W Width :-	Inches mm	4½" 116	4½" 116	4½" 116	4½" 116	4½" 116	8" 220
L Length :-	Ins mm	9½" 240	11½" 287	16½" 417	21¾" 543	27¾" 695	30½" 775
D Depth :-	Ins mm	5½" 140	5½" 140	5½" 140	5½" 140	5½" 140	5½" 140
P Primary Connections BSP Male Thread :-	Ins mm	1" 25.4	1" 25.4	1" 25.4	1" 25.4	1" 25.4	1½" 38.1
S Secondary Connections BSP Male Thread :-	Ins mm	1½" 38.1	1½" 38.1	1½" 38.1	1½" 38.1	1½" 38.1	2" 50.8
Weight :-	lbs kgs	6 2.5	7 3	10 4.5	13 6	16 7.5	38 17.5

*please note that output decreases as the pool temperature increases and the calculations shown are based on a primary water design flow temperature of 82 degrees C (180 degrees F) and a return temperature of 71 degrees C (160 degrees F)



SPECIFICATION NOTES

Always install the heat exchanger vertically.

To prevent corrosion within the heat exchanger when chemical dosing equipment is used, it must be installed after/downstream of the heat exchanger in conjunction with a non-return valve.

Care must be taken to ensure that no chemical residue can enter the heat exchanger when the system is not running. This process should be an integral part of decommissioning.

p.H should be kept between 7.1 – 7.6 to prevent scaling and corrosion.

To retain heat and prevent heat loss we suggest that our heat exchanger is used in conjunction with a pool cover.

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