ARCHITECTURAL STAINLESS

The Swimming Pool Specialists

Telephone: 01376 320279   Fax: 01376 552511   Email: sales@architecturalstainless.co.uk

STAINLESS STEEL HEAT EXCHANGERS

IDEAL FOR SWIMMING POOLS, KOI PONDS & SOLAR

Stainless Steel 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	8⅝" 220
L Length :-	Ins mm	9½" 240	11⁵⁄₁₆" 287	16½" 417	21⅜" 543	27⅜" 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 water temperature increases and the calculations shown above are based on a primary water design flow temperature of 82°C (180°F) and return temperature of 71°C (160°F)
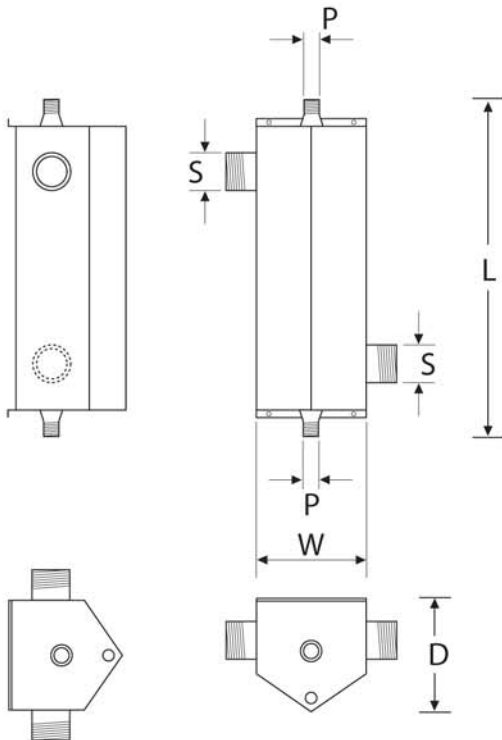
Installation Diagram
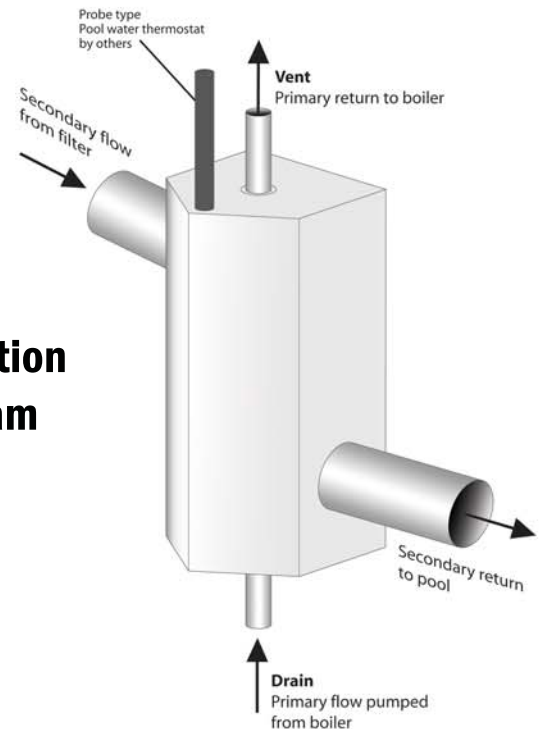
SPECIFICATION NOTES
1. Always install the heat exchanger vertically - see diagram above.
2. To prevent corrosion within the heat exchanger when chemical dosing equipment is used, it must be installed after/downstream of the heat exchanger in conjunction with a non-return valve.
3. Care must be taken to insure that no chemical residue can enter the heat exchanger when the system is not running. This process should be an integral part of decommissioning.
4. p.H. Should be kept between 7.2 - 7.6 to prevent scaling and corrosion.
5. To retain heat and prevent heat loss we suggest that our heat exchanger is used in conjunction with a pool cover.