



PLASTICA HEAT EXCHANGER



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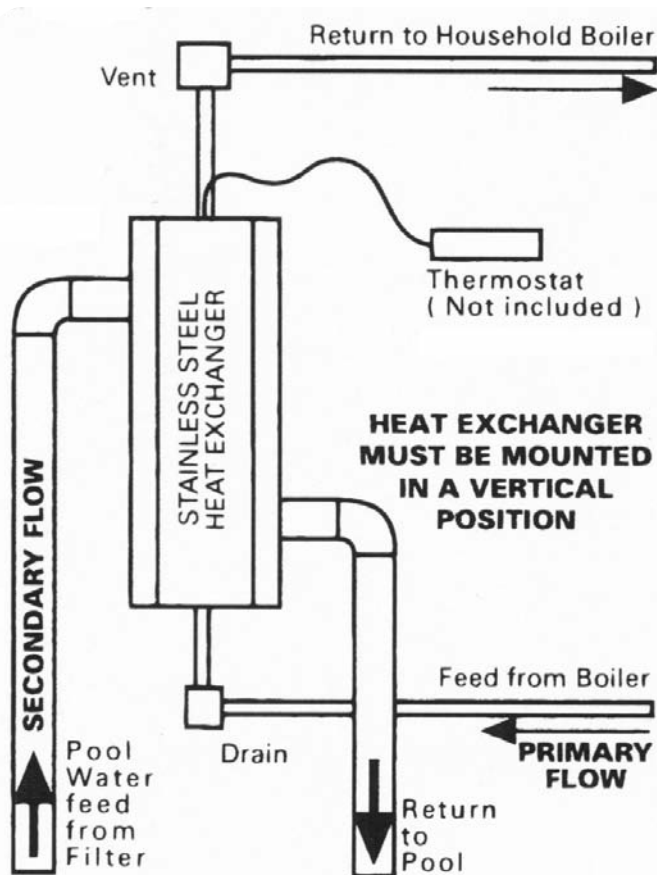
- ✓ **MANUFACTURED FROM STAINLESS STEEL (316 GRADE)**
- ✓ **UTILISES YOUR EXISTING DOMESTIC BOILER**
- ✓ **BUILT-IN THERMOSTAT POCKET**
- ✓ **COMPACT INSTALLATION**
- ✓ **EASY TO INSTALL**

Your Local Stockist:

Plastica

TECHNICAL DATA

For a simple method of heating a swimming pool, utilising your existing central heating system, this Heat Exchanger is ideal. It is connected in line to the pool filtration after the filter (The Secondary), and to your existing household boiler (The Primary). Heat can then be transferred, via the heat exchanger, from your household boiler to the swimming pool. The household heating system must be pump driven, and also connected to a thermostat linked with the heat exchanger. It is normally run on a separate circuit controlled by a motorised valve.



THINGS TO REMEMBER:

1. Keep your pool water properly balanced and your pH at between 7.2-7.6 and TA between 100-140, to help prevent corrosion or scaling of your heat exchanger and pool equipment.
2. Ensure that your household heating system is matched to the heat exchanger. Pick the size that matches or the next heat exchanger down the range. i.e. 120,000 Btu (35kW) household heater = 100,000 Btu (30kW) heat exchanger required.
3. These units are not suitable for salt water pools.
4. It is most important to use this heat exchanger in conjunction with a heat retention or solar cover, to help prevent heat loss.
5. Any chemical doser/feeder must be installed down stream and the Heat Exchanger protected by a functioning non-return valve.

HEATER OUTPUT BTU	60,000	100,000	130,000	170,000	230,000	460,000
HEATER OUTPUT KW	17.5	29.3	38.1	49.8	67.4	134.8
Filter - Secondary Flow GPM (m ³ /hr)	15 (4)	24 (7)	31 (9)	41 (11)	65 (18)	191 (52)
Primary Flow LPM (GPM)	27 (6)	41 (9)	50 (11)	68 (15)	91 (20)	173 (38)
Primary Water design flow temp °F (°C)	180 (82)	180 (82)	180 (82)	180 (82)	180 (82)	180 (82)
Primary Water design return temp °F (°C)	160 (71)	160 (71)	160 (71)	160 (71)	160 (71)	160 (71)
Primary head loss millibars (ft)	40 (1')	80 (2')	95 (2.5')	110 (3')	130 (3.75')	150 (5')
LENGTH in mm	240	287	417	543	620	775
WIDTH in mm	116	116	116	116	116	220
DEPTH in mm	140	140	140	140	140	140
Primary connections BSP	1"	1"	1"	1"	1"	1.5"
Secondary connections BSP	1.5"	1.5"	1.5"	1.5"	2"	2"
Weight lbs (Kgs)	6 (2.5)	7 (3)	10 (4.5)	13 (6)	16 (7.5)	38 (17.5)