

TEMPERATURE CONTROL 14/10

G2 HEAT EXCHANGER



✓ Technical features

- Manufactured using top quality components and materials
- Robust, durable construction
- Titanium tube bundle (Salt and sea water safe)
- BS AISI-316L stainless steel shell with special polyamide fittings
- Wall mountable (bracket supplied)
- Available with analogue or digital control (optional)
- Working pressure: 4 bar maximum

Construction:

The G2 construction provides a vast heat transfer surface area, consisting of a densely populated multi-tubular bundle, secured by the uniquely designed polyamide rubber tube sheet. It's shell is manufactured in BS AISI-316L stainless steel, enclosed by a rigid thermal shell for enhanced insulation of the primary (HOT) water, enabling even greater heat transfer; this is capped at each end with primary and secondary moulded fittings manufactured from specially formulated polymer alloy material.

What's included:

The standard G2 heat exchanger is supplied complete with:
 2 x 1" male/male Brass Primary connections
 1 x 1" Non-Return Valve
 Titanium thermostat pocket
 1 x Blanking Cap and Gasket (for non-thermostat side)

Installation:

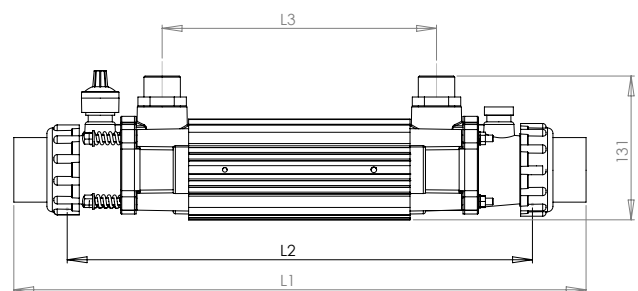
The G2 heat exchanger is installed in the pool filtration circuit from which water passes through the tube side of the exchanger. Water from the primary heating circuit flows counter-current through the shell side of the exchanger, heating the swimming pool water. Ideal for use with gas or oil fired boiler circuits, solar panels, heat pumps or chillers.

The G2 Heat Exchanger has been designed to allow the installation engineer to select which way to plumb the primary and secondary water to achieve maximum thermal gain; this is achieved by routing the primary flow in an opposing direction to the secondary (POOL) water.

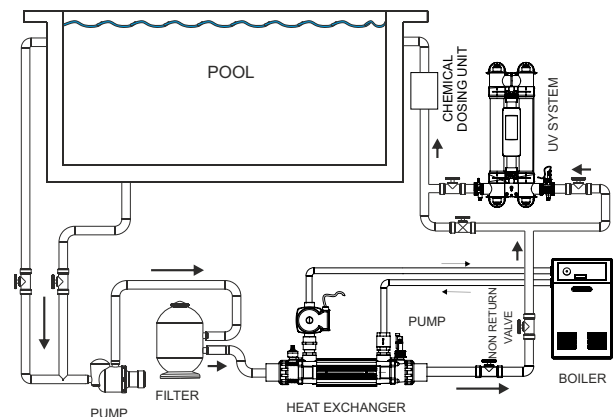
Water connections:

Primary 1" BSP male (brass fittings supplied)
 Secondary (POOL): 1.5" or 50mm NB adapters for connection to PVC or ABS pipe

📏 Dimensions



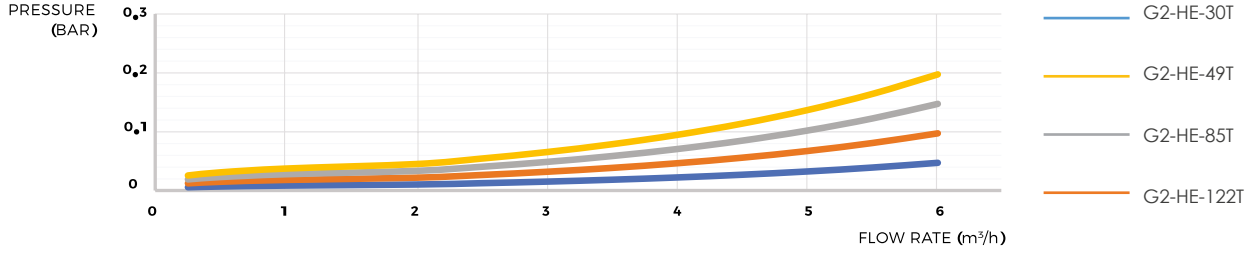
🔧 System setup



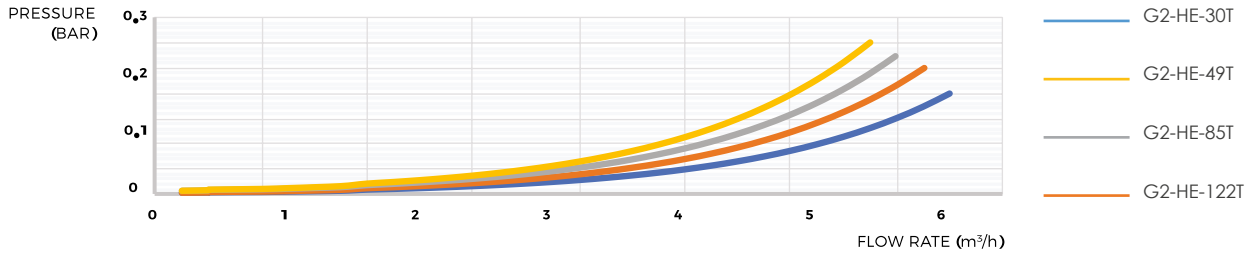
TEMPERATURE CONTROL

Pressure drop

PRESSURE DROP SECONDARY CIRCUIT



PRESSURE DROP PRIMARY CIRCUIT



Models

PRODUCT CODE	STANDARD POWER OUTPUT		DIMENSIONS			PACKING	WEIGHT kg	volume m ³
	kW	BTU	L1	L2	L3			
G2-HE-30T	30	102K	540	426	247	1	3.9	0.016
G2-HE-49T	49	167K	710	596	417	1	5.0	0.021
G2-HE-85T	85	290K	840	726	547	1	6.3	0.026
G2-HE-122T	122	416K	1000	886	707	1	7.6	0.037

Performance

PRODUCT CODE	PRIMARY (HOT) FLOW m ³	PRIMARY (HOT) HEAD LOSS kPa	SECONDARY (POOL) FLOW m ³	SECONDARY (POOL) HEAD LOSS m ³	ΔT 15°C kW	ΔT 20°C kW	ΔT 30°C kW	ΔT 40°C kW	ΔT 50°C kW	ΔT 60°C kW	ΔT 70°C kW
G2-HE-30T	1.1	6.1	10	5	9	11	16	20	26	30	33
	1.3	6.8	10	5	10	13	18	23	31	34	39
G2-HE-49T	1.3	6.8	14	7	11	15	20	26	34	41	46
	1.6	7.7	16	9.2	13	18	25	33	41	50	56
	1.8	8.3	16	9.2	14	20	28	38	45	55	62
G2-HE-85T	2.2	9.3	17	9.8	16	22	33	44	52	64	73
	2.4	11.3	17	10.6	22	28	40	53	64	75	81
	2.7	12.9	17	10.6	26	32	46	60	73	82	89
G2-HE-122T	3.2	14.7	17	10.6	28	34	49	64	77	90	102
	3.8	18.3	19	12.6	33	43	68	75	93	108	120
	4.2	20	19	12.6	36	48	70	89	108	126	143
	4.6	21.1	19	12.6	38	53	73	95	116	137	156



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