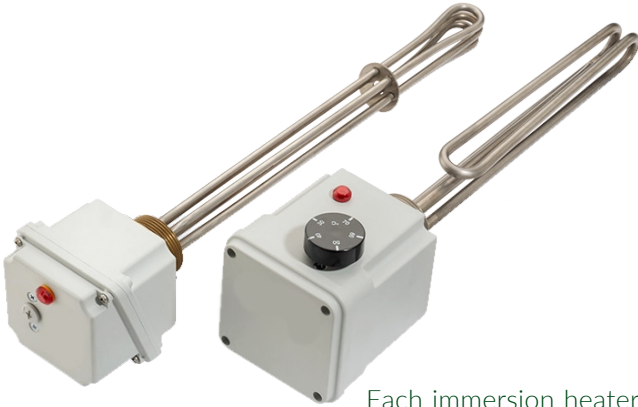


# Advenco 3–12kW 1.5” Immersions

810279 / 810280 / 810281 / 810422



Advenco offer a wide range of electric immersion heater elements and kits designed for use with domestic hot water systems as backup heat sources.

Direct electric immersion heaters provide a reliable source of hot water and are ideal for use with electric-only or renewable hot water systems. When used as a backup heat source, an electric immersion heater is a practical alternative to installation of an entire secondary heating appliance, and is both unobtrusive to existing systems and easily maintained.

Each immersion heater is constructed from stainless steel and features a 1.5” AISI 304 threaded boss and gasket. Each element features an integrated control thermostat with adjustable dial, an overheat cut-out thermostat, and an LED power indicator mounted into the terminal housing. All elements are sheathed with magnesium oxide and are operable with working pressures of up to 10 bar.

Specifications	810279	810280	810281	810422
Capacity	3 kW	5.5 kW	9 kW	12 kW
Supply	220–240 V 1 phase 50 Hz	400–415 V 3 phase 50 Hz		
Wiring	L, N, E	L1, L2, L3, N, E		
Power	13.6A	9.3A / phase	13.6A / phase	18.2A / phase
Heat intensity	10.5 W/cm <sup>2</sup>	10.3 W/cm <sup>2</sup>	12.5 W/cm <sup>2</sup>	13.3 W/cm <sup>2</sup>
Control thermostat adjustment range	30–70°C	30–75°C		
Overheat thermostat factory set-point	90°C	98°C		
Element sheath material	MgO	MgO		
Housing rating	IP65	IP65		
Max. Working Pressure	10 bar	10 bar		
Immersed length	320 mm (12.6")	550 mm (21.6")	700 mm (27.5")	850mm (33.5")
Cold foot length	110 mm (4.3")	110 mm (4.3")	110 mm (4.3")	110 mm (4.3")
Weight (kg)	1.5	1.7	2.1	3.0

**Suggested Wiring Layouts:**

