

THE MULTI-ELEC "Standard" ELECTRIC BOILER

RANGE
90kW to 630kW

17 models from 90kW to 630kW, & up to 980kW by special order

For closed heating systems, maximum working pressure 4BARS

Maximum flow temperature 110°C, standard 95°C

Series of 30kW or 35kW incoloy immersion heaters

Made to IP21/IK08, Directive 2006/95/CEE & BS EN 60335-1, C73800



PERFORMANCE, DIMENSIONS

Model	90	120	150	180	210	245	280	315	350	385	420	455	490	525	560	595	630
Maximum Output kW	90	120	150	180	210	245	280	315	350	385	420	455	490	525	560	595	630
No of Immersion heaters	3	4	5	6	6	7	8	9	10	11	12	13	14	15	16	17	18
Minimum flow rate l/sec	0.6	0.8	0.8	1.1	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.8	2.8	2.8	2.8	3.6	3.6
Maximum flow rate l/sec	5.0	5.0	10.0	10.0	11.7	11.7	11.7	11.7	11.7	11.7	11.7	26.0	26.0	26.0	26.0	26.0	26.0
Maximum pressure drop kPa	8	8	28	28	16	16	16	16	16	16	16	16	16	16	16	16	16
Flow/return connections	80	80	80	80	100	100	100	100	100	100	100	150	150	150	150	150	150
Dry weight kgs	117	121	125	129	233	238	243	248	253	258	263	367	372	377	382	387	392
Water content	128	128	128	128	283	283	283	283	283	283	283	395	395	395	395	395	395

Depth mm	820	820	820	820	970	970	970	970	1070	1070	1070	1170	1170	1170	1170	1170	1170
Width mm	520	520	520	520	670	670	670	670	670	670	670	770	770	770	770	770	770
Height mm	1380	1380	1380	1380	1570	1570	1570	1570	1600	1600	1600	1800	1800	1800	1800	1800	1800
Access Front mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Access Rear mm	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750
Access Side mm	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Access Other side	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

ELECTRICAL POWER REQUIREMENTS – 415 volts, 3 phase, 50Hz

OUTPUT STEP ONE

Power kW	30	60	60	60	70	105	105	105	140	140	140	175	175	175	210	210	210
Fuse amps	63	125	125	125	125	160	160	160	250	250	250	315	315	315	400	400	400

OUTPUT STEP TWO

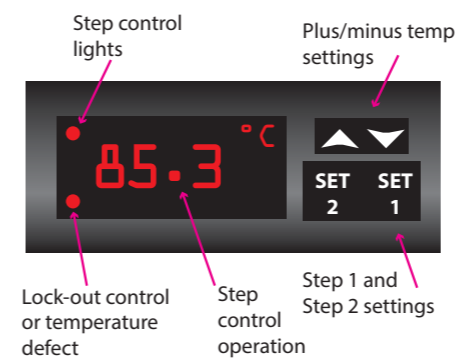
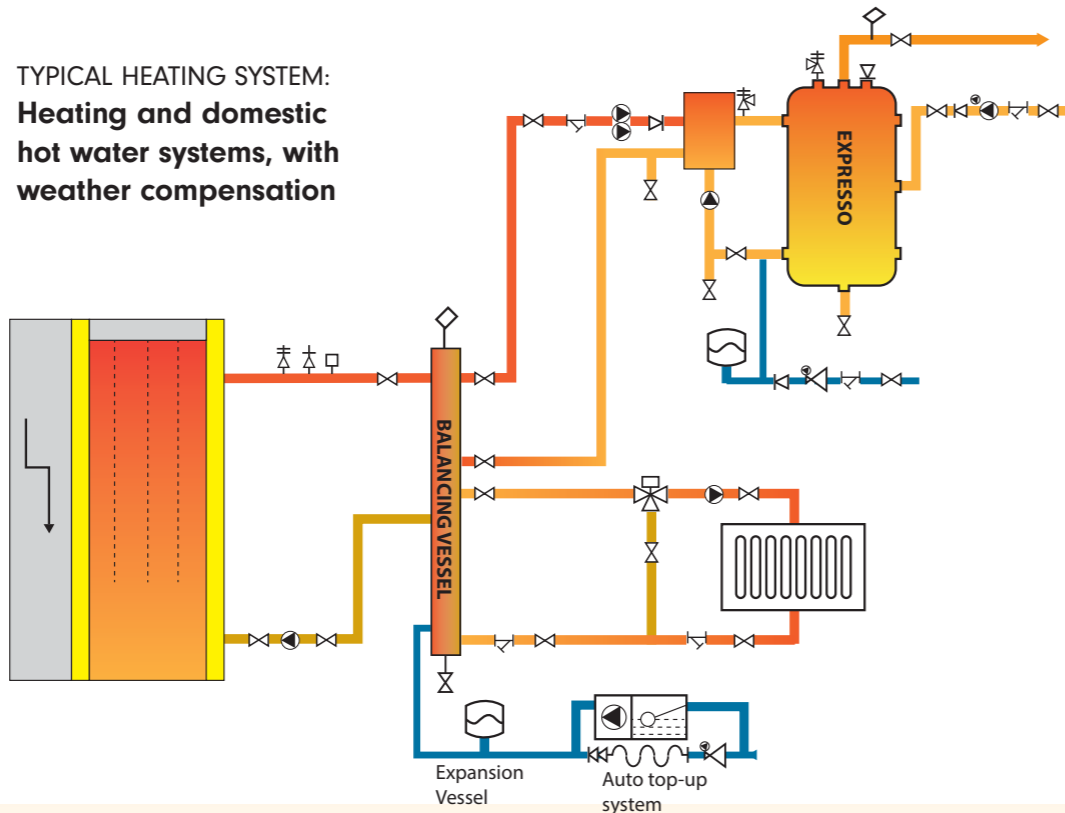
Power kW	30	30	60	60	70	70	105	105	105	140	140	140	175	175	175	210	210
Fuse amps	63	63	125	125	125	125	160	160	160	250	250	250	315	315	315	400	400

OUTPUT STEP THREE

Power kW	30	30	30	60	70	70	70	105	105	105	140	140	140	175	175	175	210
Fuse amps	63	63	63	125	125	125	125	160	160	160	250	250	250	315	315	315	400



TYPICAL HEATING SYSTEM:
Heating and domestic hot water systems, with weather compensation



COMPONENTS OF THE MULTI-ELEC "STANDARD" BOILER

- Control panel
- Ventilation louvres
- Boiler heating flow
- Boiler flow sensor
- Boiler immersion heaters
- Thermal insulation
- Boiler heating return
- Main electrical power input
- Electrical switchgear including 9 cartridge fuses, 3 step contactors, 1 control circuit transformer, indicator lamps and digital controller
- Main electrical isolating switch

