

**FLEXIBILITY IN ELECTRIC WATER HEATING**

The Opal is an electrically heated combination hot water storage unit providing gravity hot water and can be installed at high level in a cupboard or in a roof space. Available in five capacities as a neat, compact unit it is the cost-effective alternative to inefficient, old-fashioned cylinders and tanks. Designed for use with all off-peak tariffs, the thermal properties of the HCFC-free insulation ensure low energy costs to the consumer.

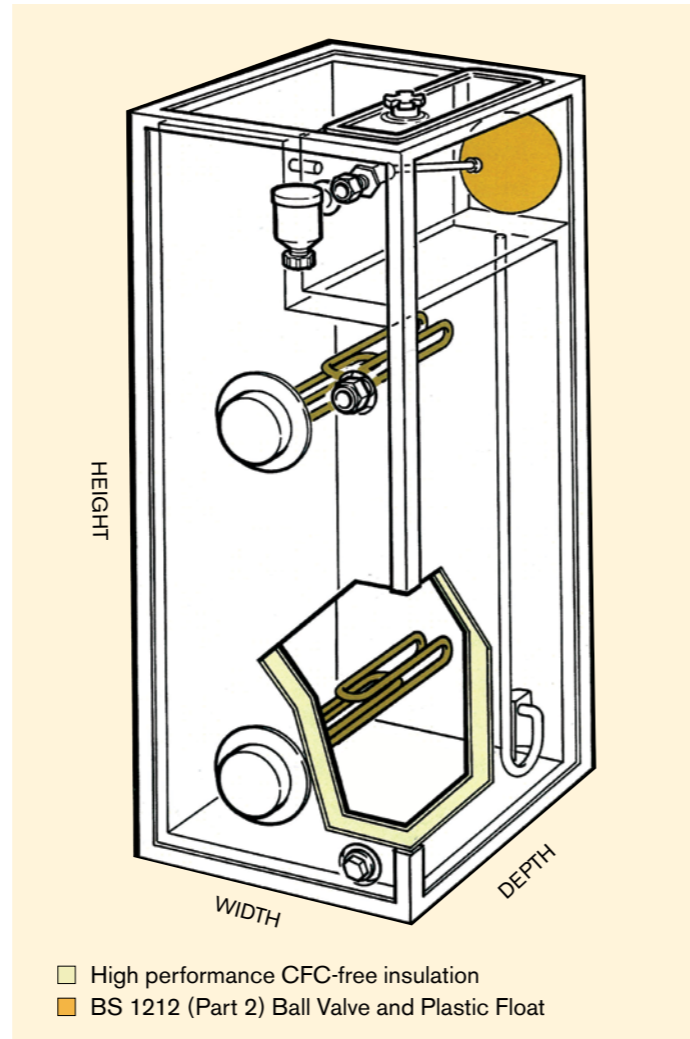
**ELECTRIC HOT WATER STORAGE UNIT**

The Opal ensures a fast, simple installation that will save money, time and materials, and can be supplied with two three-kilowatt immersion heaters and thermostats factory-fitted to make installation even quicker.

By using 50mm thickness of HCFC-free insulation, heat loss is kept to a minimum – providing low running costs for the consumer.

The lower heater offers maximum storage using low-rate electricity and the upper a fast, economical boost. For optimum efficiency the Electricity Association recommend that the lower thermostat be set at 65C and the upper at 55C.

As the Opal is available in a large range of capacities, it can be confidently specified to suit any domestic application and a wide range of commercial applications.



OPTIONS & EXTRAS
CE MARKED MAXISTORE 14" IMMERSION HEATERS AND THERMOSTATS - FACTORY FITTED
LOCKSHIELD DRAIN COCK TO BS2879-2 PURPOSE-MADE STAND WITH SLATTED TIMBER SHELVING
"SHOWERPLUS" FOR MAINS PRESSURE SHOWERING (PLEASE REFER TO PAGE 22)
28MM HOT WATER DRAW OFF CONNECTION
ADDITIONAL HOT WATER DRAW OFF CONNECTION
HOT WATER RETURN CONNECTION

<b>CAPACITIES</b> 115, 135, 160, 180, 225 Litres
<b>SUITABLE TARIFF</b> All low cost off peak eg. Economy 7, E10 etc
<b>HOT WATER DRAW OFF CONNECTION</b> 22mm BS compression
<b>KITEMARK</b> BS 3198:1981
<b>BALL VALVE CLEARANCE</b> 225mm clearance is required between the top of the unit & ceiling for acces to the ball valve
<b>BALL VALVES</b> BS 1212 (part 2) Ball valve and float



**APPLICATION GUIDE**

Capacity Litres	Width mm	Depth mm	Height mm	Full Weight kilos	Max Daily Heat Loss	Application Guide
115	410	535	1040	150	1.10 K.W.H.	1 person – no bath
135	460	535	1040	173	1.30 K.W.H.	1-2 persons – with bath
160	440	535	1260	196	1.54 K.W.H.	2-3 persons – with bath
180	475	535	1260	218	1.73 K.W.H.	3-4 persons – with bath
225	565	535	1260	264	2.16 K.W.H.	4 persons & over – with 2 baths

The above application guide is for general guidance only.

Heat loss figures exceed the requirements of BS 3198:1981

The Opal can be manufactured to suit limited space applications or where restricted access may be a problem.

If 115 Litre cold water storage is required, please refer to the "TWIN STORAGE UNITS" on page 16-17.