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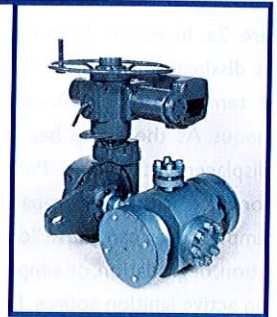
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BALL VALVES TO ASME III

Heap & Partners, in partnership with fellow BVAA members LG Ball Valves have recently completed a contract for the supply of 80 ball valves certified to ASME III Class 1 and 2.

The valves supplied were 0.5", 1.5" and 3.0" Class 600 top entry design with butt weld end connections. All incorporated a number of special features including leak detection



connections, double stem sealing and double gaskets. As the valves were destined for installation at two UK-based nuclear power plants, seismic qualification was an additional special requirement.

100% non-destructive testing and BS EN 10204 3.1 material certification was required for all components, not just pressure containing parts, with witnessed inspection at many of the manufacturing stages.

After initial build, all valves were tested to 65 bar, after which the Class 1 valves were stripped and non-destructive examination repeated.

The constraints of a contract of this nature would be problematic for most valve manufacturers who prefer to make standard, volume product, but LG's expertise in the supply of non-standard valves in small quantities and on short lead times enabled Heap & Partners and LG to design, qualify, manufacture, test and deliver within 20 weeks from receipt of order, despite many delay points at critical stages in the programme.

Similar specifications are available from class 150 through to class 2500 and in a size range from 15mm to 300mm.

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