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## 10MW高温气冷堆蒸汽安全阀全性能试验

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**摘要** 文章介绍10MW高温气冷堆(HTR 10)二回路超压保护系统中的核二级蒸汽安全阀的设计要求、结构特点及性能要求,并对其性能进行了实验验证。实验结果表明:蒸汽安全阀的性能满足设计要求,达到了核规范的标准。

**关键词** [高温气冷堆](#) [核级安全阀](#) [全性能试验](#)

**分类号** [TL353.11](#)

## Full Performance Test of the Steam Safety Valves for 10 MW High Temperature Gas-cooled Reactor

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**Abstract** The design requirements and structural peculiarity as well as performance requirements of the steam safety valves which are nuclear safety class 2 component installed in the over-pressure protection system of the second loop of 10 MW High Temperature Gas-cooled Reactor(HTR-10) are introduced. The demonstration test for full performance of the steam safety valves was carried out in special test system. The test results show that the performance of the steam safety valves can meet the design (requirement) and relevant nuclear code.

**Key words** [High Temperature Gas-cooled Reactor](#) [nuclear class safety valve](#) [full performance test](#)

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通讯作者

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