

反应堆工程

# 盘管直流蒸汽发生器两相段计算模型

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收稿日期 2004-12-20 修回日期 2005-3-22 网络版发布日期: 2006-10-20

**摘要** 文章构造盘管直流蒸汽发生器 (SG) 两相段计算模型。采用四方程漂移流模型, 对盘管直流SG的两相段传热进行进一步划分。选用适当的结构关系式和传热关系式, 用数值方法进行了盘管SG的稳态分析。

**关键词** [盘管直流蒸汽发生器](#) [两相流模型](#) [热工计算](#)

**分类号** [TL332](#)

## Calculating Model for Two-Phase Flow Section of Once Through Helical-Coiled Steam Generator

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**Abstract** A two-phase section calculating model for once-through helical-coiled steam generator was developed. Nonequilibrium four-equation drift-flux model was adopted and the two-phase flow section of once-through helical-coiled steam generator was divided into more subsections. Suitable structure property equations and heat transfer equations were adopted, and steady state analysis for once-through helical-coiled steam generator was carried out by numerical method.

### Key words

[once-through](#) [helical-coiled](#) [steam generator](#) [two-phase flow model](#) [thermal calculation](#)

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