

流体机械

ISSN 1005-0329

CN 34-1144/TH

2012/9

第40卷

FLUID MACHINERY

□制冷空调 □压缩机 □风机 □泵 □分离机械 □阀门与管道 □喷射设备 □流体密封 □

CRAA认证中心(北京中冷通质量认证中心有限公司)



中国制冷空调行业唯一的专业产品性能认证机构



美国空调供暖和制冷工业协会AHRI认证在中国的唯一代理机构



美国空气运动和控制中心AMCA风机认证在中国的唯一代理机构

CRAA认证

以专业、公正、权威护航中国制冷空调行业。



ISSN 1005-0329



09>

9 771005 032129

北京中冷通质量认证中心有限公司

地址: 北京宣武区广安门南街6号广安大厦北楼7层 邮编: 100053

电话: 010-83510099-692/693 83560112 传真: 010-83560060

Email: craaqcc@chinacraa.org

目 录

2012 年第 9 期 (总第 40 卷 · 第 483 期)

2012 年 9 月 30 日出版



试验研究

- ① 宽范围面积比下液气射流泵性能试验
.....向清江, 等
- ⑥ 煅烧温度和时间对稻壳灰助滤剂助滤性能的影响研究
.....左海强, 等
- ⑨ 螺旋槽上游泵送机械密封摩擦特性试验研究
.....冯 秀

设计计算

- ⑭ 高比转速混流泵时变湍流特性分析
.....杨 帆, 等
- ⑳ 螺旋槽干气密封对流传热系数研究
.....张勤昭, 等
- ㉕ 新型多翼式车载离心空调风机叶型的数值模拟分析及改型研究
.....周鼎舜, 等
- ③① 油田用往复泵注聚泵阀流场的 CFD 计算与分析
.....张生昌, 等
- ③⑤ 多级泵平衡盘动态平衡的理论研究
.....赵万勇, 等

万方数据

经验交流

- ③⑨ 低压引射式煤粉喷射器的设计
.....刘效洲
- ④③ 关于厢式压滤机机架设计的探讨
.....丁兴江
- ④⑥ 电站送风机性能的快捷测试方法
.....李 斌, 等
- ⑤② 4V-9S 型合成气压缩机运行故障分析及改进
.....赵月刚

制冷空调

- ⑤⑥ 垂直埋管换热器布置形式对地下换热特性的影响分析
.....周 晋, 等
- ⑤⑦ 垂直埋管传热相干性数值模拟研究
.....袁 媛, 等
- ⑤⑧ 大空间建筑及其相似放大建筑的室内热环境模拟分析
.....胡 宇, 等
- ⑤⑨ 多元平行流冷凝器的数值模拟研究
.....黄晓峰, 等
- ⑥④ 自然循环蒸发器内流动和传热的数值模拟研究
.....孙 艳, 等
- ⑥⑤ 太阳能水蒸气引射冷却的 CO₂ 低温制冷循环
.....宁静红, 等
- ⑥⑥ 蒸发冷却冷水机组出水温度探讨
.....黄 翔, 等

荣誉榜

《流体机械》杂志协办单位/名誉编委.....前插 10

企业介绍

- ③⑦ 西安永华集团有限公司

信 息

- ③⑧ 2012 年第七届全国制冷空调新技术研讨会在西安举行



Initially Published in 1972
Monthly

Sponsor: The Chinese Mechanical Engineering
Society

Editor: Editorial Office of Fluid Machinery
Chief Editor: Song Donglan

Publisher: Fluid Machinery Journal Association
Director: Song Donglan
Deputy Director: Yue Yang

Address: No.29 Tianhu Road, Hefei,
Anhui P. R. China

Postal Code: 230088

Telephone: (0551)5335505

Fax: (0551)5335453

E-mail: ltjx@chinajournal.net.cn
ltjx@chinapvt.com

http: //ltjx.chinajournal.net.cn

Printer: Hefei Ruida Printing Co.,Ltd.

Abroad Distribution: China International Book
Trading Corporation (P. O. Box 399, BeiJing,
P. R. China)

万方数据

CONTENTS

- ① Experiment Study on Hydraulic Performance of Liquide Jet Gas Pump with Wide Rang of Area Ratio.....XIANG Qing-jiang, at al
- ② Study on the Factors of Burning Temperature and Time on Producing Rice Husk Ash Filter Aid to Enhance Filtration PerformanceZUO Hai-qiang, at al
- ③ Research on Friction Characteristic of Upstream Pumping Mechanical Seals with Spiral Grooves.....FENG Xiu
- ④ Analysis on Time-varying Turbulent Flow Characteristics of High-specific-speed Mixed-flow Pump.....YANG Fan, at al
- ⑤ Research on Heat Transfer Coefficient of Spiral Groove Dry Gas Seals.....ZHANG Qin-zhao, at al
- ⑥ Study on New Type of Multi-blade Fan of the Car and the Numerical Simulation.....ZHOU Ding-shun, at al
- ⑦ Analysis and CFD Simulation of the Flow Field in an Oilfield Reciprocating Polymer Injected Pump Poppet ValveZHANG Sheng-chang, at al
- ⑧ Theoretical Study on Dynamic Equilibrium of Balance Disc in Multi-stage Pump.....ZHAO Wan-yong, at al
- ⑨ Innovative Design of Low-pressure Jet Coal Powder EjectorLIU Xiao-zhou
- ⑩ Research on the Design of Compartment-type Filter Press FrameDING Xing-jiang
- ⑪ Research of Performance Rapid Determination Method of the Forced Draught Blower in PowerPlant.....LI Bin, at al
- ⑫ Analysis and Improvement of 4V-9S Type Synthetic Gas Compressor Operation Trouble.....ZHAO Yue-gang
- ⑬ Heat Transfer Analysis of Vertical Underground Hear Exchanger under Different Layout Forms of Pipe-groupsZHOU Jin, at al
- ⑭ Numerical Simulation on Coherent Effects of Vertical Buried Tube Heat Exchanger.....YUAN Yuan, at al
- ⑮ Numerical Simulation for Analyzing Thermal Environment of a Large-scale Building and Its Similar ConstructionHU Yu, at al
- ⑯ Simulation Study of a Multi-unit Parallel-flow CondenserHUANG Xiao-feng , at al
- ⑰ Nmerical Simulation on the Flowing and Transferring Heat of Natural Circulation Evaporator.....SUN Yan, at al
- ⑱ CO₂ Refrigeration Cycle of Solar Energy Water Vapor Entrainment Cooling for Low Temperature.....NING Jing-hong, at al
- ⑲ Study on Water Temperature of Evaporative Cooling Water ChillersHUANG Xiang, at al