

目次
Contents

P16

淡水处理中离心泵的常见问题防范及发展方向



P18

SBR污水处理中离心液下泵的运行与故障处理



P20

污水处理用泵运行可靠性分析与实践



P22

提高水泵效率 降低出水电耗

产经资讯 Industry & Economic Information

- 10 行业——国内首套焦炉气制合成天然气工业示范装置投产 (共2则)
Industry——First set of demonstration plant which is used to produce synthetic natural gas with coke-oven gas goes into operation (Total 2 files)
- 10 企业——美国泰悉尔(中国)集团2011年分销商大会圆满召开 (共9则)
Enterprise——Distributors conference 2011 convened successfully by Tuthill China Group (Total 9 files)

水工业用泵技术专题 Pump Technology Special in Water Industry

- 16 淡水处理中离心泵的常见问题防范及发展方向 王磊 谭薇
Precaution for frequent problems of centrifugal pumps in water treatment and its development direction Wang Lei et al
- 18 SBR污水处理中离心液下泵的运行与故障处理 陈哲 朱会娜 孙慧等
Operation of centrifugal submerged pump used in SBR sewage treatment and its failure treatment Chen Zhe et al
- 20 污水处理用泵运行可靠性分析与实践 戴永林
Reliability analysis of pump in sewage treatment industry and its practice Dai Yonglin
- 22 提高水泵效率 降低出水电耗 陆建良
Improving efficiency of pump and reducing current consumption Lu Jianliang
- 24 叶轮改造技术在大型泵站中的应用 陈培兴
Application of modification technology for impellers in large-scale pump station Chen Peixing
- 26 水泵机组在中央电视台新址的应用
Application of pumping unit in CCTV new site
- 27 单螺杆泵转子和定子的革新——SCT输送技术 叶晨亮
SCT technology is the innovation of rotors and stators in single-screw pump Ye Chenliang
- 28 通过自动化和“Wilo-Stratos”高效泵节约成本
Saving cost by automation and “Wilo-Stratos” high-efficiency pump


P24

叶轮改造技术在大型泵站中的应用


P26

水泵机组在中央电视台新址的应用


P27

单螺杆泵转子和定子的革新——SCT输送技术


P28

通过自动化和“Wilo-Stratos”高效泵节约成本

特别报道 Special Report

- 30 全球知识助力创新高效
 ——斯凯孚 (SKF) 2011 中国技术日在大连举行
 SKF held “technical day 2011” in Dalian 邱明杰
 Qiu Mingjie
- 31 传递绿色梦想 倡导企业社会责任新方式
 ——格兰富向贫困地区中学捐助太阳能供水系统
 Grundfos China donated solar water system to middle schools
 in poverty area 曹胜玉
 Cao Shengyu
- 32 IFAT CHINA + EPTEE + CWS 5月上海开启
 IFAT CHINA + EPTEE + CWS Exhibition will be held in May, Shanghai

石油/化工通用机械 GM in Petroleum & Chemical Industry

- 34 加氢装置转动设备故障及处理
 Failure of rotating equipment in hydrogenation unit and its treatment
 Liu Fengyun et al 刘奉云 侯文富
- 38 锆合金催化剂循环泵的修复
 Repair of zirconium alloy catalyst circulating pump
 Li Ming 李明
- 42 干气密封技术在气分装置原料泵上的开发应用
 Development of dry gas sealing technology in feedstock
 pump of gas separation unit and its application
 Yu Shengli et al 喻胜利 滕娜娜
- 46 电动潜油螺杆泵技术难点分析
 Analysis on the difficulty for electric submersible
 progressing cavity pump
 Li Qiang 李强
- 48 巧治滚筒式冷渣器漏灰问题
 Solution of leaking ash for drum-type slag cooling device
 Zheng Huixian et al 郑慧仙 何礼兵 左卫兵

冶金/矿山通用机械 GM in Metallurgical & Mine Industry

- 50 普通热风阀的技术改进
 Technology improvement of common hot blast valve
 Yu Shui 喻水
- 54 大型电动机采用电抗器加电容器补偿起动实例分析
 Case analysis of high-capacity motor compensating started
 with reactor and capacitor
 Ding Jianmu 丁剑木
- 58 一种TRT系统插板阀
 A kind of gate valve in TRT system
 Zhai Yaowen 翟耀文



P34

加氢装置转动设备故障及处理



P42

干气密封技术在气分装置原料泵上的开发应用



P62

锅炉给水泵故障原因分析



P72

供水阀门用橡胶密封件的检验与应用

电力通用机械 GM in Electric Power

- 62 锅炉给水泵故障原因分析 韩宝华
Failure cause analysis of boiler feed pumps Han Baohua
- 66 脱硫循环泵叶轮间隙的调整 朱利英
Adjustment of impeller clearance of desulfurization
circulating pump Zhu Liying
- 68 核级W型电动平行双闸板闸阀的设计 孙彦明 王志敏 张宗列等
Design of the W type of parallel gate valves for Nuclear Power Plant
Sun Yanming et al

城建/水工业通用机械 GM in City Construction & Water Industry

- 72 供水阀门用橡胶密封件的检验与应用 韩安伟 张希恒
Test of rubber sealing element of valves for water delivery
and its application Han Anwei et al
- 78 简析蒸汽疏水阀选型方法 张汝松 李志国 刘昌峰
Selection method of steam traps Zhang Rusong et al

通用机械制造 GM Manufacture

- 82 液压系统散热轴流风机叶片撕裂的原因分析 孔华 边春雷 曹现军
Analysis on tearing reason of blades of radiating axial
flow fan in hydraulic system Kong Hua et al
- 84 二体式螺杆压缩机的计算选配法 李朝林
Matching method of screw compressors by axiality calculation Li Chaolin
- 86 影响离心泵空化性能的因素分析 尉志革 万惠萍 许姝佳等
Influence analysis on centrifugal pump's cavitations Wei Zhiping et al

卷首语 From Editor

- 2 水——生命之源 曹胜玉
Water is the source of life Cao Shengyu

书讯 Books Store

- 90 机械工业出版社期刊读者服务部推荐书目
Staff publications by China Machine Press Periodical Readers Service