Software & Information Technology

Free App Details
Physical and Chemical Properties of Gases

The Gas Encyclopedia application for the iPad allows users to quickly access information on the physical and chemical properties of 64 gas molecules in their solid, liquid, and gaseous states. It includes information on molecules such as oxygen, nitrogen, and hydrogen, among others. The free app also indicates the material compatibilities of various gases and describes their main industrial applications. The Gas Encyclopedia app features a molecular comparison tool for lab work, search filters, an equivalence converter, and a 3D molecule viewer. It is available in French and English. A version for Android users will be released later this year. An Internet version of the Gas Encyclopedia is also available at encyclopedia.airliquide.com.

Air Liquide
www.us.airliquide.com

Updated Software Package Features
Enhanced Navigation Functionality

The latest version of FactoryTalk View human-machine interface (HMI) software includes the FactoryTalk View Site Edition (SE) 7.0 and Machine Edition (ME) 7.0 applications. The updated software offers more-efficient alarm management, integrated data sharing, simplified installation, and an improved user experience. A streamlined workflow automates installation of FactoryTalk View components. Operators can quickly navigate screens and resolve production issues with new navigation buttons that provide functionality similar to the navigation buttons in commercially available web browsers. Workstations can efficiently track each screen the operator opens and rapidly move through the navigation history. Enhanced graphic capabilities provide operators with a more realistic view of the process, with gradient shading and support for .png graphic files. FactoryTalk View SE 7.0 supports more HMI clients and servers in a single system.

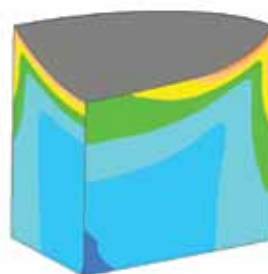**Rockwell Automation, Inc.**
www.rockewellautomation.com

Platform Features Enhancements for
Windows 8 and iPad Touch-Screen Use

The newest version of the Water Information Management Solution (WIMS), Version 7.4, provides enhancements for Windows 8 and iPad touch screens. The software platform is designed for water and wastewater utilities, and provides easy access to data from many disparate sources for reporting, analysis, and monitoring. The newest version features easy report generation with four one-click built-in reports, automatic scheduling of compliance engine scans (*i.e.,* automatic scans that show exceptions from user-defined criteria such as regulatory limits, process limits, and other user-defined events), and two new regulatory templates for water and wastewater compliance reporting.

Hach Co.
www.hach.com

Software Helps in the Design of
Pharmaceutical and Nutraceutical Tablets

The iTAB tablet design software aids the calculation of key pharmaceutical tablet parameters and performs stress analysis for any shape of tablet in three easy steps. The first step involves the selection of a specific tablet profile. A safety zone ensures that any unfeasible designs are flagged — so only quality tablets are produced. Step 2 runs a real-time integrated finite element analysis (FEA) simulation on the design to calculate a maximum punch-tip force. Step 3 produces a report summarizing key design data that can be used for further analysis, design work, and tooling production. The software produces 2D drawings and generates design reports. Tablet manufacturing problems such as punch-tip breakage can be eliminated with the iTAB software. Accurate punch-tip load calculations and 3D rota-

tion of punch-tip stress allows for instant decision-making on design issues. The software is user-friendly and requires no formal training to use.

I Holland
www.iholland.co.uk

Web-Based Rotary-Valve Selector Tool Includes Video Tutorials

This web-based tool provides guidance for those involved in the evaluation, comparison, specification, and purchase of rotary valves, rotary airlocks, and rotary feeders. It includes a selection guide covering more than 17 valve models and more than 82 configurations, for virtually any application or preference. The tool provides downloadable CAD files for the valves, as well as informative video tutorials on the company's products. Users can directly connect with a sales specialist for assistance with more in-depth matters relating to rotary valves. An integrated Request A Quote function initiates a simple Q&A sequence to specify the company's valve units for pricing.
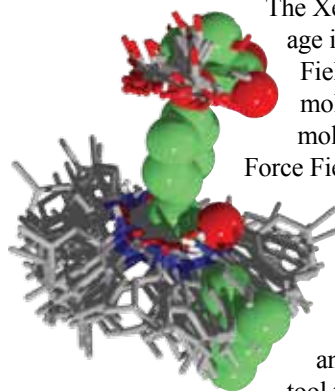
ACS Valves
www.acsvalves.com

Software Integrates New Vessel Code Updates

PV Elite 2013 has several major advancements that increase productivity and streamline vessel and exchanger design. The software features improved calculation and output capabilities, a completely new CodeCalc application for component analysis, and enhanced graphics with a user-friendly ribbon-style interface. It incorporates several vessel code updates, including the PD 5500 2012 Edition, the Tubular Exchanger Manufacturers Association (TEMA) 9th Edition, and the Australia/New Zealand 2011 wind code. New analysis features include integrated API 579 Part 4 for analyzing general metal loss, ASME VIII-1 material data for 1943 through 1974, and PD 5500 jacket and limpet coil analysis codes, among others.

Intergraph CADWorx & Analysis Solutions (CAS)
www.coade.com

Application Enables Accurate Modeling of Ligand-Protein Interactions

The XedTools 3.0 software package includes the XED Force Field application for studying molecular interactions and molecular mechanics. XED Force Field ensures that interactions such as aromatic-aromatic, cation-pi, and halogen-aromatic stacking can be modeled accurately. This version of XedTools also has an update to the free XedMin tool to minimize ligands within a protein, which simplifies display and analysis of protein-ligand interactions, and XedConvert, a tool used to convert 2D files into 3D molecule packages.

Cresset Group
www.cresset-group.com

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