



Modular Analyzer Performs Multiparameter Measurements



The PC-controlled Modulyzer system is capable of performing multiparameter measurements on liquid samples with varying viscosities. It allows the company's DMA M Series density refractometer to be combined with an RXA refractometer, an MCP polarimeter, and/or a colorimeter. The measuring system can be automated with an Xsample 352 filling and rinsing unit or an Xsample 452 sample changer. All instruments are controlled via PC software, and other instruments can be added to the system as required.

Anton Paar USA Booth 3077
www.anton-paar.com

Disinfection System Monitors UV Output

The PharmaLine PQ ultraviolet disinfection system is validated for use in the production of pharmaceutical and healthcare products, where process water must be free of pathogens as well as disinfection chemicals such as chlorine and ozone. The PharmaLine PQ's dosage display validates disinfection by confirming that the unit is generating the appropriate UV output to kill various microorganisms, yeast, mold and algae. Water passes through the device and is exposed to UV light, destroying microorganisms' ability to reproduce. The disinfected water meets U.S. Food and Drug Administration (FDA) standards, including good manufacturing practice (GMP) requirements.

Aquionics Inc. Booth 1973
www.aquionics.com

Transmitter is a Cost-Effective Solution For Water Professionals



The Type 8202 transmitter is a compact modular device for measuring pH or oxidation-reduction potential (ORP). It comes with a standard replaceable 120-mm pH or ORP probe screwed into a sensor holder and an integrated Pt1000 temperature sensor for required temperature compensation. The Type 8202 has a backlit display and can transmit both temperature

and the desired analytical value (pH or ORP) simultaneously.

Burkert Fluid Control Systems Booth 3725
www.burkert-usa.com

Rheometer's GUI Gives Operational Guidance



The FT4 powder rheometer features a new graphical user interface (GUI) that is flexible and intuitive and has an enhanced real-time display. The FT4 combines shear, bulk, dynamic, and axial powder testing methodologies for comprehensive powder characterization. The new GUI enables all FT4 users, whether new to the system or experienced, to fully exploit its multifunctionality. For the novice, the GUI provides step-by-step guidance on preparing samples and running tests. Experienced operators can take advantage of the device's flexibility to create, manage, and run user-specific protocols. The rheometer's characterization mode

directs the user to a combination of tests that provide a complete profile of a powder's behavior, while application modes offer test methods that support a particular process or unit operation. The updated software is supplied with all new instruments and is offered as a free upgrade to existing customers.

Freeman Technology Booth 2167
www.freemantech.co.uk

Gravimetric Feeder Dispenses Pharmaceutical Powders



The K-PH-ML-D5-KV2 vibratory loss-in-weight feeder is designed for the low-flowrate addition of difficult-flowing active pharmaceutical ingredients (APIs), particularly cohesive materials that build up when fed via standard twin-screw configurations. This feeder is well-suited for continuous pharmaceutical operations, such as extrusion, granulation, mixing, and coating. It has an easy-to-clean design, with a removable tray and end covers that provide accessibility. The 3-L inlet funnel transition hopper has a 65-deg. slope for optimal material flowability into the vibratory tray. The unit has a 20-L extension hopper with an optional lid, along with inlet Tri-Clamp and sanitary flexible bellows for complete isolation of the feeder. An optional lid with a sanitary vent filter affixed by a Tri-Clamp is also available. All Tri-Clamps are constructed of FDA-approved plastic to minimize the overall weight of the feeder. The discharge tray terminates to a Tri-Clover ferrule, with sanitary

silicone bellows for connection to the process below. The vibratory feeding principle, coupled with the company's patented load cells and controller, ensure high-accuracy feeding.

K-Tron Process Group Booth 3637
www.ktron.com

UV Imaging Detector Reveals Surface Phenomena



Developed by Paraytec Ltd., the ActiPix SDI300 features an ultraviolet area-imaging detector that enables quantitative imaging of surface phenomena for a diverse range of substances, including active pharmaceutical ingredients (APIs), tablets, formulations, gels, liquids, stents, and patches. The highly sensitive sensor can record, integrate, and analyze a variety of complex processes to provide unique insights and understanding into the processes taking place at the liquid/surface interface. The SDI300 also enables erosion and dissolution to be visualized simultaneously. It has a compact design, with a dissolution imaging sample holder and integrated syringe pump. The software allows real-time quantitative recording and review of data.

Distek, Inc. Booth 1841
www.distekinc.com

Workstations Improve Quality Control by Automating Operations

The Zymark TPW3 and APW3 workstations automate sample preparation and analysis for uniformity, stability, and assay testing required in pharmaceutical formulation and quality-control labs. The workstations increase testing throughput and lab productiv-

ity, and improve the quality of analysis by minimizing operator error and eliminating variability compared with labor-intensive manual methods. They can handle tablets, capsules, blends, creams, lotions, and suspensions.

SOTAX Corp. Booth 2642
www.sotax.com

Tubing Lasts Up to Ten Times Longer



AdvantaFlex biopharmaceutical tubing is free of silicone oils and animal-derived ingredients, and contains fewer extractables than other tubing. It outlasts similar tubing tested in peristaltic pumps by six to ten times. It is suitable for aseptic tubing welds and is heat-sealable. AdvantaFlex is available as molded assemblies and closures for glass, metal, or plastic vessels. The material complies with USP Class VI, ISO, and FDA standards, and is made in the U.S.

AdvantaPure Booth 3032
www.advantapure.com

Heavy-Duty Capsule Filter Handles Large Volumes



The UltraCap H.D. (heavy-duty) single-use, high-capacity capsule filter is now available in a 50-in. configuration for large-volume filtration. It is optimized for continuous and batch processing in biomanufactur-

ing operations and for prefiltration and final filtration in pharmaceutical applications. The capsule can be specified with removal ratings from 0.04 µm to 99 µm. The UltraCap H.D. is offered with T-style sanitary flange inlet and outlet connections, and can be specified in additional nominal lengths of 10 in., 20 in., 30 in., and 40 in. to give users maximum scale-up flexibility. Gamma-irradiated UltraCap H.D. is available for aseptic applications.

Meissner Filtration Booth 2611
Products, Inc.
www.meissner.com

Process Chamber Contains Mixing and Homogenizing Operations



The Krieger Seal Containment Chamber (SCC) provides a technology platform that physically separates the product chamber from the mixing mechanism using a state-of-the-art sealing design for its counter-rotating agitators. It does not require any cooling liquids for the mechanical seals, and fully separates the mechanical seals from the product and mixing area. This eliminates the risk of contamination, as well as the need for expensive equipment and the comprehensive validation process required for the sterilization of mechanical-seal cooling liquids. Krieger SCCs are used by pharmaceutical and bioprocessing companies that require enhanced mixing functions and have stringent contained and sterile mixing requirements.

Krieger Booth 3625
www.kriegerswitzerland.com