

Gases & Instrumentation™

INTERNATIONAL
The Technology and Application of Industrial, Specialty and Medical Gases™

May/June 2010 Issue Preview

Feature Articles

Gas Purification Basics: Not All Purifiers are Alike

The semiconductor industry has agreed that controlling impurity fluctuations in the gas stream is more effective for yield enhancement and contamination control than imposing more stringent requirements on as-delivered gas purity. This article presents the important role of gas purifiers in a production environment and provides critical information needed to determine which kind of purifier should be used. Operation principles of different types of purifiers and selection criteria are discussed in detail.

Ethylene Oxide (EtO) for Combating Bacterial and Viral Microbes.

Widely used for sterilizing medical equipment, (as well as cosmetics, pharmaceuticals, foodstuffs, and plastics), ethylene oxide (EtO) is economical, available and efficacious in effectively eliminating bacterial and viral microbes. However, its toxic and explosive properties require that careful control and monitoring are exercised.

Gases 101: Principles of gas detection: combustible gas detectors; catalytic sensors; semiconductor sensors; sensor output; speed of response; calibration.

Product Focus: Cylinders/gas handling components. Send your product description and photo to pnesdore@gasesmag.com. This is a FREE editorial opportunity.

(NOTE: Feature articles subject to change without notice)

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