

# COMPRESSED AIR BEST PRACTICES

airbestpractices.com

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VALVE RETROFFTS SAVE ENERGY





# RESOURCES FOR ENERGY ENGINEERS

## TECHNOLOGY PICKS

### New Kaeser Sigma Air Manager

Kaeser Compressors' new generation of Sigma Air Manager (SAM) now features the adaptive 3D Control. Active rather than reactive, the new self-adjusting 3D software responds to the three crucial dimensions that affect air system efficiency: switching losses, control losses, and pressure flexibility. The result is significant energy savings through reduced compressor run and idling time; and reduced leaks and artificial demand. At the same time, it provides the lowest average system pressure for better operation of plant equipment. This controller includes an integral Web-server for remote monitoring of system activity. The optional Sigma Air Control Plus stores and analyzes system data for reporting, system audits, control optimization and long-term trend analysis. SAM can operate multiple compressors, blowers or vacuum pumps. Integrating the SAM into your OPC server allows for additional remote capabilities, including control.



**Contact Kaeser Compressors**

Tel: 877-586-2691

[www.kaeser.com/sam](http://www.kaeser.com/sam)

### Safety Air Guns with Chip Shields Protect Operators

EXAIR's family of Safety Air Guns (Precision Safety Air Gun, Soft Grip Safety Air Gun, and Heavy Duty Safety Air Gun) has always provided high quality performance for your blowoff, drying or cleaning needs. Now, they are available with Chip Shields to protect workers and to help businesses comply with OSHA safety standards. Chip Shields can be used on Safety Air Guns with or without an extension pipe.



Chip Shields are a durable polycarbonate shield that protects operators from flying debris often associated with blowing chips off machined parts. Chip Shields are great for keeping coolant from splashing everywhere during drying operations. Chip Shields are available to fit the Safety Air Guns you currently have in use.

EXAIR's Safety Air Guns use engineered air nozzles for high performance and safety – designed to maximize entrainment of room air while minimizing compressed air consumption. The Precision Safety Air Gun is extremely lightweight and the most comfortable to operate during periods of extended use. The Heavy Duty and Soft Grip Safety Air Guns have a durable cast aluminum body for rugged industrial use. All are available with extension pipes and Chip Shields. Prices start at \$76.

**Contact EXAIR Corporation**

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[www.exair.com/cs.htm](http://www.exair.com/cs.htm)

### LeekSeek® Online Leakage Management Software

LeekSeek® comprehensive Leak Management Software assembles complete and timely information that is accessible and understandable to management in real-time. The software is essential to not only execute fast and efficient repairs, but also manage financials of the leak management program.



The software enables the client to prioritize and execute repairs based on technical and financially advantageous criteria. The web-based software provides a platform for the leak management of all industrial gases, for both in-plant personnel as well as corporate management. The LeekSeek's software identifies both the financial as well as environmental benefits.

Leak detection efforts alone typically provide an immediate, but temporary benefit from identifying & repairing leaks throughout a plant. However, without a systematic approach to managing the ongoing needs to address future leaks, the savings enjoyed from a previous leak detection effort will be lost until the facility engages in future detection effort. Managing leaks on a systematic and ongoing basis maximizes the return on investment from identifying and repairing leaks, compared to infrequent, intermittent and inconsistent detections efforts.

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