MACURCO
GAS DETECTION

AireShield by Macurco

The Macurco AireShield is your all-in-one solution for advanced refrigerant detection, offering unmatched flexibility across a wide range of applications. Powered by cutting-edge NDIR sensor technology with built-in temperature compensation, it delivers industry-leading accuracy while dramatically reducing false alarms, outperforming older technologies like MOS sensors known for high error rates and constant maintenance.



With a long sensor lifespan and low cost of ownership, the AireShield is designed to go the distance without compromising performance. It not only meets but exceeds regulatory codes and compliance standards. Installation, commissioning, and maintenance are fast and effortless thanks to smart sensor integration, which delivers real-time diagnostics and a full suite of user alerts.

Whether in commercial refrigeration, HVAC, or industrial systems, the AireShield ensures your environment remains safe, efficient, and compliant—every hour of every day.

Chiller Guide



AireShield Data Sheet



Refrigerant Regulations/Codes



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AireShield Ordering Guide



Quick Reference Sheet



AireShield Specifications



Refrigerant Application Page



AireShield YouTube Video



Gas Detection. It's What We Do.

Headquartered in Sioux Falls, South Dakota, Macurco Gas Detection has been providing solutions for the gas detection industry since 1972. Celebrating over 50 years, Macurco Inc. is a leading global provider of rapidly deployable, connected, intelligent gas detection systems that enable real-time safety and toxic threat detection. Macurco designs, develops, and manufactures a full set of fixed and portable gas detection monitors and notification devices for the protection of workers, responders, and the community.

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