AIR MOVEMENT & CONTROL ASSOCIATION

AMCA was founded in the United States in 1917 and in 2017 celebrates its centenary, having expanded to be truly international with 350 member companies in 34 countries. It is a not-for-profit association of world manufacturers of fans, louvres, dampers, air curtains, air flow measurement devices, ducts, acoustic attenuators and other air system components. It produces Standards, Application Manuals and Design Guides for the industry.
A Decade of Excellence

IN THIS ISSUE

- 10 Years of AMCA inmotion
- Control of Industrial Process and Power Generation Fans
- The Case for Allowing Remote Testing of Life-Safety Dampers
- Introducing the AMCA Sand Louver Test Standard
- What’s New in AMCA’s Test Standard for Rating Fans

Supplement to ASHRAE Journal
In October of 2006, AMCA introduced its flagship magazine, AMCA inmotion. It appeared as a stand-alone supplement to HPAC Engineering, which had a primary circulation of professionals working for hospitals, academic institutions and industrial facilities. AMCA members and staff provided the content for AMCA inmotion; HPAC Engineering provided the publishing expertise and circulation. With this arrangement, a magazine could be consistently published.

Ten years later, there have been 14 issues of AMCA inmotion. Each has been dedicated to keeping readers aware of best practices for air-system design, as well as rapidly changing codes, standards and regulations. AMCA inmotion also covers technology and business developments within AMCA and the industry it serves.

Though this mission is clear and specific, AMCA inmotion has explored a surprising range of subjects. For instance, past issues have contained Q-and-A-style discussions with financial advisors, a focus on dampers in hospitals and a highly visual article demonstrating vibration and sound control methods. So while readers can expect AMCA inmotion to fulfill its promise to keep them up to date, they can also look forward to a visually engaging experience covering a wide variety of topics.

AMCA inmotion left HPAC Engineering for Consulting-Specifying Engineer (CSE) magazine in 2009 to gain a greater audience in the fire and life-safety community. CSE published AMCA inmotion until 2011, when its publishing company, Reed Business Information, sold off all of its trade publications. AMCA inmotion found a new home with ASHRAE Journal in 2011, where it remains today. ASHRAE Journal is mailed to over 66,700 subscribers worldwide and emailed to more than 41,000 as a digital issue. Back issues of AMCA inmotion dating back to 2006 are available on AMCA’s website under the “Resources” tab.

HOW INMOTION IS CREATED, EDITED, PUBLISHED AND DISTRIBUTED
Every issue of AMCA inmotion consists of two major content areas: technical articles and departments. Technical articles are the bread-and-butter content of AMCA inmotion, providing in-depth, practical information about air systems and products. The primary audience for technical articles includes consulting engineers, facility executives, application engineers and...
Best of AMCA inmotion Quotes

“Saving 43 percent on 100 hp of electric motors has the same impact as taking 10 cars off the road. Imagine how nice your commute could be if you put VFDs in your 10 largest customers’ facilities!” —Steven Gonzales, “Variable Frequency Drives Provide Comfort, Efficiency,” Spring 2007.

“No one system performs alone as well as an integrated design that incorporates a well-thought-out combination of both active and passive systems.” —Vickie Lovell on fire safety in Code Watch, Spring 2008.

“It’s not about bicycle racks and bamboo rugs... Our industry is the one that can provide the knowledge and products to be truly green.” —Gary Barson, President’s Letter, Fall 2008.

“AMCA International is more international than ever. It is this global perspective that makes AMCA uniquely positioned to advise legislators and regulators around the world, helping to harmonize both legislation and regulation.” —Geoff Sheard, President’s Letter, Summer 2014.

commercial and industrial contractors.

Feature article topics for all issues of AMCA inmotion are selected at the end of the year. Topics generally cover commercial fans, dampers and louvers, as well as industrial fans and dampers. See the index of articles below for a complete list of features published in AMCA inmotion since 2006.

Many departments focus on geographical regions, including Asia, the Middle East and Europe. These departments provide updates about AMCA activities happening there, as well as topical and timely coverage of codes, standards and regulations.

Content for feature articles tends to come from committees, such as the Industrial Process/Power Generation Market Group, the AMCA HPAS Task Force and the Life-Safety Damper Task Force. Within committees, individuals take the lead to draft a feature article, and the rest of the committee provides review comments and other contributions.

Once committees have approved the content, the text is handed to AMCA staff and contractors for editing and layout. The completed articles then go to ASHRAE Journal for final editing, advertising placement, printing and distribution.

PICTURES WORTH A THOUSAND WORDS

AMCA inmotion staff understands the power of visually appealing articles. The publishing team works with authors to develop detailed technical graphics for every issue. Cover design is an important part of the process as well. See “Best of AMCA inmotion Technical Art” for some of the publishing team’s favorite images from past issues.

CONCLUSION

AMCA inmotion’s mission promises to keep professionals abreast of changing codes, advancements and best practices. The publication can deliver on this promise and more because of its uniquely diverse pool of resources—uniquely diverse because no other organization brings together so many competing companies and potential authors under the mission of improving the industry together.

AMCA inmotion will always be dedicated to bringing you the most up-to-date technical information and industry news for air movement and control. But some of the publication’s future lies in the hands of its readers as well, since reader feedback fuels ideas for future articles. If you have any suggestions for articles or departments, submit them to Andy Fry, AMCA’s marketing manager, at afry@amca.org.

RESOURCES


Index of Articles

2006
- AMCA Certified Ratings Program: A Closer Look
- Impact-Resistant Louvers: Understanding the New Code Requirements
- Modulating Characteristics of Control Dampers: Determining the Correct Damper
- AMCA’s Certified Ratings Program Supplements the LEED Rating System
- Circulating Fan Velocity Profile Applications

FALL 2007
- The Value of Wind Driven Rain Resistant Louvers
- Benefits of Fan System Optimization
- WANTED—New Ideas for Testing Duct Silencers

FALL 2008
- Fire and Smoke Damper Trade-Offs—At What Cost?
- Life Safety Dampers: An Integral Part of Effective Compartmentation...and the IBC
- Effective Smoke Control Using Dampers with Electric Fire/Smoke Actuators
- Damper Leakage Rates—More Important Than Ever
- In-line Fans: Considerations for Sizing & Selection

SPRING 2009
- Engineering and Operating Green Buildings
- Green Building Roundtable
- Fire Smoke Dampers Prevent Occupants from Getting the Shaft
- The Fan Selection Process
- Global Section: Evaluation of Indoor Noise Levels Attributed to Mechanical MVHR Systems

FALL 2008
- AMCA’s New Website
- Direct Drive Applications
- Non-Linear Dampers: A Thing of the Past?
- Energy-Saving Solutions for Fans
- System Effect

SPRING 2009
- Fan Industry Meating Energy Challenges
- Integrating Smoke Control Dampers and Fans
- Specifying Air Curtains for Savings and Performance
Best of AMCA inmotion
Technical Art

"3 Energy-Saving Strategies for Laboratory Exhaust Systems," Fall 2009


FALL 2009
- Kitchen Ventilation Systems: Saving Energy Without Sacrificing Performance
- 3 Energy-Saving Strategies for Laboratory Exhaust Systems
- Louver Design Guidelines for Non-Traditional Areas
- Sunshade Considerations

2010
- The Role of Fan Efficiency in Reducing HVAC Energy Consumption
- Dampers: An Essential Component of Fire Protection Design

2011
- Fan Efficiency Grades: Answers to Frequently Asked Questions
- Fans and Atrium Smoke Control
- Fire Dampers and Smoke Dampers: The Difference is Important
- Fan and Damper Guide Specs Update

2012
- The Role of Fan Efficiency in Achieving Energy Reduction Goals
- Fan Motor Efficiency Grades in the European Market
- Performance and Reliability Assurance of Custom Engineered and Manufactured Fans for Industrial and Utility Applications
- Smoke Damper Testing and Maintenance for Service Life and Performance Assurance

2013
- Selection of Fans for Industrial Process and Power Generation Applications
- Weathering the Storm with AMCA 550
- The New "Now Most Efficient Thing" in Commercial HVAC Systems
- How Air Curtains Work

2014
- Increasing Use of Remote Testing for

2015
- How to Specify AMCA-Certified Products
- Damper and Air Economizer Leakage Requirements
- What to Know About Field Testing Industrial Fans
- Restraint and Isolation for Air System Components
- Evanes: What They Are and How and Why to Use Them

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Fire, Ceiling (Radiation), Smoke and Fire/Smoke Dampers Application Manual