

AIRTRAC™ Air Control System for Precast Concrete

Instrumentation, knowledge, admixtures and service

Product Description

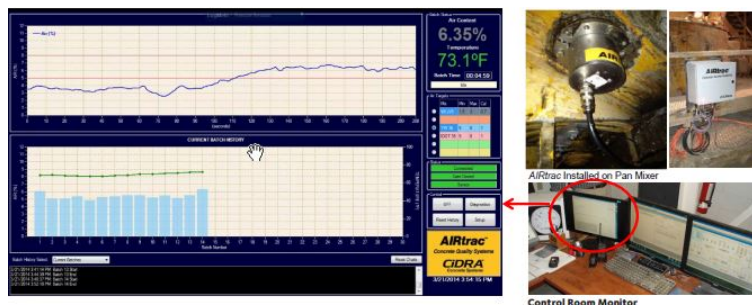
Historically, controlling air has been one of the concrete industry's most vexing problems. GCP Applied Technologies is proud to announce a new system that can provide cost effective, reliable, air control for the precast concrete industry.

The GCP Air Control System takes a process control approach built around the ground breaking new CiDRA AIRTRAC™ real time air measurement device. The fundamentals of any process control system are a measurement system, a control element and a feedback loop. GCP has always offered the control element in a full suite of air entraining admixtures. What has been lacking is accurate real time information about the air volume of the concrete as it is mixing.

The CiDRA AIRTRAC™ is a proprietary, patent pending device for real-time air measurement during the concrete mixing process. It is designed to be suitable for all stationary outer wall mixers such as pan, planetary, twin shaft, turbine, etc.

This system provides data every second and can discern changes in air volume of less than one tenth of a volume percent. It provides this information instantly back to the batch / control room allowing the operator to take action while the batch is mixing. With a minimum amount of training and experience your operator can make sure that every batch is compliant with specified air limits.

But the GCP system goes beyond just bringing data back to the operator. Our trained field sales and service professionals will show you how to use the “eyes into the process” to optimize mix designs, materials sequencing and time of mixing. In addition, the data is uploaded to a secure web enabled cloud system enabling us to provide informative, actionable dashboards that allow management to track the changes in efficiency and control this system brings. Key plant personnel can also access the live data remotely. Your QC manager can be down at the beds and keeping track of every load as it is mixing. This also allows our key technical personnel to be able to access real time data and help you trouble-shoot any problems remotely.



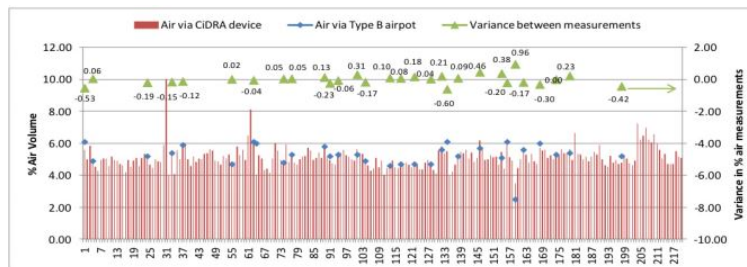
Product Advantages

- Control and document the air in every batch
- Stop rejecting loads for out of spec air
- Stop wasting crew time while air is adjusted or while out of spec loads are discarded or diverted
- Tighten your air control and reduce your over-design
- Lower your costs while increasing your quality
- Become known as the innovative quality producer

Equipment and Service Included:

- Air and temperature measurement device
- Control room display providing real-time air and temperature for each batch, with daily summaries
- Hardware and software warranty
- Equipment installation
- Commissioning / training and support
- Remote viewing capability on smart phone or tablet
- Remote troubleshooting by GCP technical service
- Recommendations on mix, sequence and process optimization
- Management dashboards

Confirmations of Accuracy



Customer Requirements:

- Prepare mixer for installation per installation manual
- Allow access to mixer to GCP and CiDRA personnel for installation and service as required
- Allow for temperature and air data along with selected mix information to be uploaded to secure server to allow for remote access, remote troubleshooting and preparation of dashboard reports
- Perform ASTM C231 air measurements at agreed upon frequency and report to GCP and CiDRA on a weekly or monthly basis

ca.gcpat.com | North America customer service: 1-877-4AD-MIX (1-877-423-6491)

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use that would infringe any patent, copyright or other third-party right.

GIDRA and AIRtrac are trademarks, which may be registered in the United States and/or other countries, of GCP Applied Technologies, Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2018 GCP Applied Technologies, Inc. All rights reserved.

GCP Applied Technologies Inc., 2325 Lakeview Parkway, Suite 450, Alpharetta, GA 30009, USA

GCP Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

This document is only current as of the last updated date stated below and is valid only for use in the Canada. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on www.gcpat.com. Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2022-06-27

ca.gcpat.com/solutions/products/airtrac-real-time-air-control-system/airtrac-air-control-system-precast-concrete