



ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers Inc.

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**ASHRAE TC 5.3 Air Curtain Subcommittee Meeting Minutes
2015 Annual Meeting
Pavilion 6 (2), Atlanta Hilton, Atlanta, GA
Sunday, June 28, 2015 from 10:00 am – 10:45 am**

1. Call to Order Chair – Frank R. Cuaderno
 - Introduction of Members and Guests Attendee List Created
 - Recording of Attendance No announcements
 - Announcements
2. Agenda Adoption Approved by consensus
3. Approval of Previous Meeting Minutes Approved by consensus
4. Discussion Topics
 - 4.1 Systems and Equipment Handbook 2016
 - 4.1.a Final document sent and approved by the Handbook committee at the Chicago, IL 2015
 - The new document content was not sent to ASHRAE for publication
 - The new document content has been submitted to be available on the on-line version
 - 4.2 Fundamentals 2017
 - 4.2.a Content will be submitted to Handbook Committee for review and approval
 - The new Fundamentals content was submitted to the Handbook committee
 - The committee recommended that the air curtain content follow the current format and relate and/or create subsections, as required
 - 4.3 Other Meetings that include Air Curtains
 - 4.3.a AMCA (Air Movement and Control Association)
 - i. Air Curtain Engineering Committee
 - a)ASHRAE Technical Seminar for Orlando 2016
 - Seminar content submitted to acting Research/Handbook/Program chair, Randy Zimmerman
 - a. Content to be reviewed and require approval by August 10, 2015
 - ii. AMCARC (Air Movement Code Action Review Committee)
 - a)AMCA Air Curtain committee working with AMCARC to manage Concordia studies
 - b)Will submit RTAR to expand Empirical tests when tests results are verified
 - ii. DOE
 - a)Recently regulated pumps
 - b)Proposing to regulate fans
 - c)Double regulation
 - Heating and Cooling
 - Fan operation
 - d)Proposed negotiated exception (Partial List)
 - Air Curtains
 - Crossflow wheels
 - e)Forward curved wheels being looked at by DOE
 - f) Next meeting with the DOE in Chicago in 2-3 weeks
 - iii. ISO meeting from March in Lyon, FR
 - a)Re-running simulation based on new data from TNO study to correlate empirical results
 - b)Frico's climate chamber will soon be completed
 - Additional test may be conducted at Frico's facility
 - a. Setup TBD
 - c)ISO/TC 117 WG 09 meeting to be held in conjunction with the AMCA annual meeting in October to compare results
 - iv. Requests that all inquiries regarding air curtains be brought to the 5.3 air curtain committee chair, Frank R. Cuaderno, to determine course of action.

Mars Engineering Meeting Minutes – Friday February 8, 2013

a) TC5.3 Air Curtain committee may draft a response or coordinate a representative to attend committee meeting

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| 5. New Business | None |
| 6. Next Meeting | Orlando, FL 2016 |
| 7. Adjournment | |

FRC 6-4-15 ASHRAE TC 5.3 Air Curtain Subcommittee Meeting Minutes 6-28-15