



**TC 8.10 - Mechanical and Desiccant Dehumidification
Equipment, Heat Pipes and Components
Meeting Agenda for ASHRAE
Annual Conference Meeting 2023**

WELCOME!

No need to say hello.

We will begin at 12:00 pm EST

The meeting is virtual: link below and in the conference schedule

<https://events.rdmobile.com/Sessions/Details/1780530>

(enter meeting)

HOUSEKEEPING

Audio

- **PLEASE** mute yourself upon entry.
- Only Un-mute your line when you need to speak
- If you are joining via computer and phone line, ensure BOTH are muted

Video

- You are welcome and encouraged to share your webcam.
- To save internet bandwidth, keep your webcam off by default unless presenting.
- Be mindful that you are on display! Turn off your video when needed.

Agenda

- **Facilitator this virtual meeting: TC 8.10 Chair, James Piscopo ,**
Questions about link: tel +1 732 768 4232
- **Draft Agenda will posted on TC 8.10 Website.**



TC 8.10 - Mechanical and Desiccant Dehumidification Equipment, Heat Pipes and Components Meeting Agenda for ASHRAE Annual Conference Meeting 2023

Date: Friday – June 16, 2023

Place: Meeting link:

<https://ashrae.webex.com/ashrae/j.php?MTID=mc9f4280b4b5397c13c0b9973a20e2ea5>

Meeting number: 2336 297 5202

Join by video system Dial [23362975202@ashrae.webex.com](https://ashrae.webex.com/join/23362975202)

You can also dial

173.243.2.68 and enter your meeting number.

Join by phone 18662994153 United States of America Toll Free +14702385742 US Tol

Password: TC8.10

For immediate support during the meeting you can contact ashrae at: **678-539-2108** or virtualsupport@ashrae.org

Time: TC 8.10 Sub-Committee Meetings – Friday, June 16, 2023 12:00 – 14:00 PM EST

Note: TC 8:10 Subcommittee – Utility liaison, Monday June 26, 2023 5-7pm Marriot Tamp, Gandy(3)

<https://events.rdmobile.com/Asset/Download/11755176>

TC 8.10 Main Committee Meetings – Tuesday, June 27, 2023 1:00 – 3:00 PM EST

Tampa Marriott waterside grand Salon GHII. (2) and Virtual

<https://events.rdmobile.com/Asset/Download/11755177>

Items related to TC 8.10:

SPC 198 Method of Test for Rating DX-Dedicated Outdoor Air Systems for Moisture Removal Capacity and Moisture Removal Efficiency, Monday, June 26th 2:30 to 4:30 PM EST JW marriott Tampa Ybor Salon V

MTC .CEA Controlled environment Agriculture Tuesday June 27th. JW marriott Tampa Manatte.

SPC 241P Control of infectious aerosols Saturday 12:30-14:30 Pm Tampa Waterside Grand Salon

Note: Within TC 8.10, we discuss research, handbook, and program activities during one combined subcommittee meeting. Voting members are strongly encouraged to attend the subcommittee meeting. Corresponding members and guests are welcome.

Scope of TC 8.10: is principally concerned with mechanical and solid/liquid desiccant dehumidification equipment and heat pipes and their design performance, applications engineering, related load calculations, commissioning, operation, and maintenance.

Call to order & Introductions: Chair, Peter Luttik

1. Meeting called to order at
2. Brief introductions



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ASHRAE Code of Ethics, Chair, Peter Luttk

“In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests”.

Determination of Quorum - Chair, Peter Luttk

1. Majority of voting members must be present for voting to be possible

Membership/Roster: Webmaster/Membership Subcommittee Chair, Gayle Davis

1. Leadership: 11 voting (1 non-quorum)
2. 103 total members, 75 corresponding members , 13 provisional corresponding members, Miscellaneous Others: 4.
 - a. To become a provisional corresponding member - please sign-up online
 - b. Chair has discretion to convert a provisional corresponding member to a corresponding member before 2 years

Liaisons

1. MTG CEA indoor agro – Kevin Muldoon
2. SPC 198 – Craig Burg
3. SPC 241P Control of infectious Aerosols – Peter Luttk
4. TC 1.12 – Peter Luttk
5. SPC 62.2/62.1 – Peter Luttk

Subcommittee Reports:

Programs – Program Sub-Committee Chair, Onieluan (Tam) Tamunobere

1. Summarize and update TC on seminar / program proposals
2. Review proposals for future meetings

Handbook - Handbook Sub-Committee Chair, Ralph Kittler

1. Handbook Chapters responsible for:
 - a. HVAC Systems & Equipment:
 - 1) Desiccant Dehumidification and Pressure-Drying Equipment (Chapter 24)
 - 2) Mechanical Dehumidifiers and Related Equipment (Chapter 25)
 - 3) Dedicated Outdoor Air Systems (Chapter 51)
 - b. Fundamentals :
 - 1) Sorbents and Desiccants (Chapter 32)
2. Design Guide responsible for:
 - a. Dedicated Outdoor Air Design Guide updated 2022

Research - Research Sub-Committee Chair, Alois Malik

1. Update on 1566 – RP “Equations to Estimate Evaporation Rates from Wetted Surfaces”
2. Co-sponsorship with TC 2.2 on Determination of Latent Loads for Crops
3. Demand control RTAR/Technical committee DOE proposal.



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4. Cosponsor RTAR heating and humidification max humidify levels for building types, outside air conditions (1.12 lead, 8.10 cosponsor)

Standards - Standards Sub-Committee Chair, Craig Burg

1. ASHRAE Standard 198-2013, Method of Test for Rating DX-Dedicated Outdoor Air Systems for Moisture Removal Capacity and Moisture Removal Efficiency
2. ASHRAE Standard 174-2018, Method of Test for Rating Desiccant-Based Dehumidification Equipment
3. ASHRAE Standard 139-2019, Method of Testing for Rating Desiccant Dehumidifiers Utilizing Heat for the Regeneration Process
4. ASHRAE Standard 190-2020, Method of test for Rating Indoor Pool Dehumidifiers
5. AHRI performance standard for wrap-around heat pipes
6. ASHRAE Standard 241P Control of infectious aerosols Note: the proposed standard defines an infection risk management mode (IRMM) that set among others equivalent outdoor air requirements for infection control (EOAi). What impact could new EOAi requirements have, IF ANY, on ventilation equipment

TC Web Site – TC Webmaster, Gayle Davis

Other Business

1. 1566-TRP PES members meeting to discuss and vote on the bidder.
2. 8.10 objectives discussion
 - a. Prioritizing dehumidification performance ismre 2.70 incl reheat
 - b. High performing DOAS incl. demand response, full dehumidification at 45 to 50F dp, infiltration management and controls that respond to performance based control options 241 high EOAi requirements and decarbonization recommendations
 - c. Residential central air solutions focused on outside air
 - d. Utility/regulator cooperation on DOAS guide, handbook, incentive programs, performance measurement with other TCs

Motion to Adjourn