



**1791 Tullie Circle, N.E./Atlanta, GA 30329  
404-636-8400**

**TC/TG/MTG/TRG MINUTES COVER SHEET**

**(Minutes of all Meetings are to be distributed to all persons listed below within 60 days following the meeting.)**

TC/TG/MTG/TRG No. 8.8 DATE 2-6-2020

TC/TG/MTG/TRG TITLE Refrigerant System Controls and Accessories

DATE OF MEETING 2-4-2020 LOCATION Orlando, FL

MEMBERS PRESENT	YEAR APPTD	YEAR ROLL -OFF	MEMBER S ABSENT	YEAR APPT D	YEAR ROLL -OFF	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Kirk Stifle, Chair, Handbook, VM	2018	2020	Brenna Erb Vice Chair, VM	2018	2022	Neal Lawrence, Guest
Christian Bach, VM	2019	2023	Robert Bittle Research, VM	2016	2020	Michael Ditello, CM
Glen Steinkoenig, Secretary, VM	N/A	N/A	Eric Chen VM	2017	2021	Ned Bent, CM
Vance Payne, VM, Webmaster, Standards	2017	2021				Robert Jones, CM
Nicholas Zupp, VM	2018	2022				Everardo Cano, PCM
Mohsen Farzad VM	2017	2021				Pradeep Kumar Bansal, CM
Duane Wolf , Program, CM						Niel Hayes, Guest
<b>DISTRIBUTION : All Members of TC/TG/MTG/TR G plus the following:</b>						
TAC Section Head: Kevin Mercer	<a href="mailto:SH8@ashrae.net">SH8@ashrae.net</a>					
All Committee Liaisons As Shown On	Dr. Christopher Seeton - Research					
Mike Vaughn, Manager Of Research &	<a href="mailto:MORTS@ashrae.net">MORTS@ashrae.net</a>					

## **Minutes – TC 8.8 Refrigerant System Controls and Accessories**

1. Welcome and Introduction
  - a. Chair brought the meeting to order at 1:00 PM and welcomed all attendees. All members and guests were introduced.
  - b. TC Scope was covered. TC 8.8 is concerned with refrigerant flow controls and other refrigerant control devices, including relief devices, check valves, condenser water regulators and oil separators.
  - c. ASHRAE Code of Ethics
    - i. Commitment to the ASHRAE Code of Ethics – 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. See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.
2. Attendance and Quorum
  - a. 5 of 9 Voting members present. See cover sheet for attendance.
  - b. Quorum established
3. Approval of 2019 Summer Meeting (Kansas City) Minutes
  - a. Motion #1: Approve minutes as written
    - i. Motioned by Mr. Bach and seconded by Mr. Zupp.
    - ii. Motion passed 5-0-0 (Approved-Rejected-Abstain).
4. Report from TC Chairs Meeting
  - a. Information from attached TC Chairs Breakfast was discussed in some detail.
5. Liaison Reports
  - a. TAC Liaison – Kevin Mercer
    - i. Any roster issues?
      1. TC 8.8 – roster OK but changes need to be made
    - ii. TAC is meant to be a helping hand so we can be as effective as possible. Let him help by letting him know of our issues.
    - iii. Call for new ASHRAE members to participate.
    - iv. Annually review and ensure our TC has relevance as a stand alone TC and ensure we are looking to the future for our efforts.
    - v. 2 new MTGs for the TC to participate in if desired
      1. Controlled environment agriculture
        - a. Chair: Kevin Muldoon
      2. Refrigeration and Air-conditioning Plant Assessment Guide
      3. Program Chair
        - a. Submit items properly for best chance for approval
        - b. TAC is reviewing all submitted programs with the track chairs
          - i. Can assist with program submissions
    - vi. Conduct business in accordance the Manual of Procedures (MOP)
      1. Chair and Vice-chair should review after recent streamlining

6. Subcommittee Reports
  - a. Handbook – Kirk Stifle
    - i. Adding a section on ejectors as expansion devices with help from relevant researchers
      1. Review at Austin
    - ii. Complete in Chicago
  - b. Membership – Kirk Stifle
    - i. Reviewed new officers for 2021 – 2022
    - ii. New members - [www.ashrae.org/joinatc](http://www.ashrae.org/joinatc)
  - c. Programs – Duane Wolf
    - i. Glen Steinkoenig to chair a “Back to Basics” seminar or workshop for Chicago (Winter 2021)
      1. Work with Duane Wolf
  - d. Website – Vance Payne
    - i. Website is current except for today’s meeting agenda
    - ii. <https://tc0808.ashraetcs.org/>
  - e. Research – Kirk Stifle standing in for Robert Bittle
    - i. Research awards often do not have submissions so please make recommendations to TC Chair
    - ii. Research Topics
      1. Capillary Tube and Short Tube Orifice Performance for Low GWP Refrigerants
        - a. Discussion of applicability- very
        - b. Motion to write an RTAR
          - i. Made by Mr. Steinkoenig
          - ii. Seconded by Mr. Zupp
          - iii. Vote 5-0-0
        - c. RTAR writing committee
          - i. Everardo Cano, Vance Payne, Bob Bittle, led by Christian Bach
      2. Develop performance data for uniductors
        - a. Proposal still in process by Nick Zupp to bring to the TC with input from Bob Bittle
        - b. Hopefully bring to Austin
  - f. Standards- Vance Payne
    - i. Standard 17: MOT of thermostatic refrigerant expansion valves
      1. Figures to be added
      2. Public review expected after Summer Mtg (Austin)
    - ii. Standard 28: MOT flow capacity of refrigerant capillary tubes
      1. Roster issues being resolved by Liaison
    - iii. Standard 153: MOT capacity rating of four-way reversing valves
      1. References and mandatory language review completed
      2. Ready for public review
      3. Release by Summer Mtg (Austin)
    - iv. Standard 158.1: MOT capacity rating of refrigerant solenoid valves

1. Just released so update in 4 years
- v. Standard 158.2: MOT capacity rating of refrigerant pressure regulating valves
  1. Just released so update in 4 years

7. Old or New Business

- b. Discussion of TC/TG/MTG/TRG reorganization (if any).
  - i. Discussion to review possible TC to reorganize
    1. Is there an opportunity with 10.3 Refrigerant Piping and Accessories?
      - a. Difficulty in Handbook and Standards due to difficulty
        - i. TAC recommendation is to use a co-chair system so not overwhelming
    2. Vance Payne to review all possible TCs and share that info via webmeeting before Austin
  - ii. Motion 2: Remain a separate TC for CY2020.
    1. Zupp Motioned
    2. Bach seconded
    3. Discussion
      - a. Probably see the lowest performing TC's get combined in some way by TAC
        - i. Do we act proactively?
    4. Motion passed, Vote 5-0-0

8. Open Discussion

- a. Next Meeting in Austin in June 2020

9. Adjournment

- a. Motion #3: Motion to adjourn
- b. Motion by Mr. Zupp
- c. Seconded by Mr. Bach
- d. Motion passed: 5-0-0
- e. Meeting adjourned at 2:43 PM