



**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 December 14, 2018

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

DATE OF MEETING June 26, 2018 LOCATION Houston, TX

MEMBERS PRESENT	YEAR APPTD	YEAR ROLL-OFF	MEMBERS ABSENT	YEAR APPTD	YEAR ROLL-OFF	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Kirk Stifle, Chair, Handbook, VM	2018	2020	Glen Steinkoenig (Secretary, NVM)	N/A	N/A	Christian Bach
Brenna Erb Vice Chair, VM	2016	2022				
Robert Bittle Research, VM	2016	2020				
Vance Payne Webmaster, Standards, VM	2017	2021				
Eric Chen VM	2017	2021				
Mohsen Farzad VM	2015	2019				
Michael Ditello VM	2017	2021				
Nicholas Zupp VM	2018	2022				
Matthew Wood VM	2015	2019				
Duane Wolf Program, NVM	N/A	N/A				

**DISTRIBUTION: All Members of TC/TG/MTG/TRG plus the following:**

TAC Section Head: Dustin Meredith TAC Chair: Kelley Cramm	<a href="mailto:SH8@ashrae.net">SH8@ashrae.net</a>
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters (Research, Standards, ALI, etc.)	- Research - Standards - Handbook - MTG
Mike Vaughn, Manager Of Research & Technical Services	<a href="mailto:MORTS@ashrae.net">MORTS@ashrae.net</a>

**Note:** These draft minutes have not been approved and are not the official, approved record until approved by the TC.

## **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. 8 of 9 Voting members present. See cover sheet for attendance.
  - b. Quorum established
3. Approval of 2018 Winter Meeting (Chicago) Minutes
  - a. **Motion #1:** Approve Minutes as written motioned by Vance Payne and seconded by Robert Bittle. Motion passed 8-0-0 (Approved-Rejected-Abstain).
4. Report from TC Chairs Meeting
  - a. New Roster takes effect July 1
  - b. ASHRAE has formed a new MTG. MTG.EBO for effective building operations was formed from TC's 1.4, 7.3, 7.8, and GPC 1.3.
  - c. ASHRAE is looking for unique and interesting historical items from it's 125 years for the 125<sup>th</sup> Anniversary of ASHRAE.
  - d. Reminder that ASHRAE does not allow the use of its letterhead on any letter and memos not pertaining directly to ASHRAE business.
  - e. Program submission deadline the 2019 Winter Mtg in Atlanta is August 3<sup>rd</sup>, 2018.
  - f. There is a new app to automatically take roster and add it to Microsoft Outlook contacts.
5. Subcommittee Reports
  - a. Handbook – Kirk Stifle
    - i. Revision has been completed.
    - ii. Next revision cycles begins in 1 year.
    - iii. Kirk Stifle will remain Handbook Subcommittee Chair.
  - b. Membership – Matt Wood
    - i. Duane Wolf, Don Schuster, and Danny Halel (NQVM) roll off the voting member roster after this meeting.
    - ii. Nicholas Zupp and Brenna Erb become voting members after this meeting.
  - c. Programs – Duane Wolf

- i. August 3<sup>rd</sup>, 2018 is the deadline for Programs submissions for the 2019 Winter Meeting in Atlanta.
  - ii. No current Programs
  - iii. Christian Bach suggested a program with subject of expansion valves for small capacity equipment
    - 1. Discussion ensued but the subject was tabled with no motion.
- d. Website – Vance Payne
  - i. Website is current.
- e. Research – Robert Bittle
  - i. No current Research Projects, RTAR’s, Work Statements.
  - ii. Open discussion of new research topics
    - 1. Christian Bach suggested a research project to model thermostatic expansion valve (TEV) performance during transient system operations.
      - a. Purpose: Enable TEV performance upgrades to provide more repeatable performance during system start-up.
      - b. Prior work has been completed by multiple entities
      - c. Discussion ensued concerning needs with new refrigerants and which refrigerants could be included in this research
      - d. A suggestion to write an RTAR around the proposal was made to Christian however no motion was made to include this in the Research Plan
- f. Standards- Vance Payne
  - i. Standard 17, MOT of Thermostatic Expansion Valves
    - 1. Robert Jones will chair the to-be-formed SPC-17
    - 2. All paperwork has been submitted to ASHRAE
    - 3. Awaiting vote by ASHRAE Standards Committee to form the SPC
  - ii. Standard 28, MOT for Flow Capacity of Refrigerant Capillary Tubes
    - 1. Chair – Duane Wolf
    - 2. Progress continues despite SPC member balance issues and an ASME standard date change.
    - 3. Mike Lewis of National Tube will participate to replace the lost Producer.
  - iii. Standard 153, MOT for Mass Flow Capacity of Four-Way Refrigerant Reversing Valves
    - 1. Chair – Michael Ditello
    - 2. All paperwork has been submitted to ASHRAE
    - 3. Awaiting vote by ASHRAE Standards Committee to form the SPC
  - iv. Standard 158.1, MOT Capacity of Refrigerant Solenoid Valves
    - 1. Chair – Kirk Stifle
    - 2. Draft complete
    - 3. SPC will vote via letter ballot prior to 2019 Winter Meeting
  - v. Standard 158.2, MOT Capacity for Refrigerant Pressure Regulators
    - 1. Chair – Kirk Stifle
    - 2. Proposed standard sent out for Public Review
    - 3. No comments from Public Review
    - 4. Paperwork submitted for going to Publication.

## 6. Old Business

7. New Business

1. May wish to consider re-creating data initially developed many years ago by Herrick Labs for solenoid and pressure regulator flow capacity.
2. Discussion ensued but topic was tabled with no motion.

8. Open Discussion

9. Adjournment

- a. **Motion #2**: Motion to adjourn by Michael Ditello and seconded by Don Schuster. Motion passed: 8-0-0
- b. Meeting adjourned at 1:42 PM