

July 1, 2011

SUBJECT: Occupational Profile of Thomas Edward Watson

The following is a summary of my professional experience:

- Joined McQuay's Staunton Facility in 1972 after serving in the US Army.
- 1972-1974 - Product Engineer - Responsible for both reciprocating and centrifugal chillers. Worked on pressure vessel codes, electrical controls, and refrigerant controls
- 1974-1980 - Senior Design Engineer - Worked on Research and Development of Centrifugal Compressors. The compressor work included rotor dynamics, lubrication, bearing design, and compressor aerodynamics. Also worked on development of solid state controls and later microprocessor controls for centrifugal units.
- 1980-1982 - Manager of Product Engineering - Managed Design Engineers and Manufacturing Engineers for chillers.
- 1984-1996 - Engineering Manager - Responsible for all Engineering and Laboratory functions in the Staunton facility.
- 1997 - Present - Chief Engineer – Primarily involve in Advance Technology and Reliability Engineering

Committees:

- **Former Chair of ASHRAE SSPC -15 Safety Code for Mechanical Refrigeration 11/90- Present**
 - **Former Member of ASHRAE SPC - 34 Number Designation and Safety Classification of Refrigerants.**
 - **Previous Chair of ASHRAE Standards Committee- 07/02 – 07/03**
 - **Member of ASHRAE Standards Committee. 1996 - 2003**
 - **Former Chair and member of ASHRAE TC3.1 Refrigerants and Secondary Coolants. 1999-2001**
 - **Member of TC 8.2 – Centrifugal Machines, 1972 – Present**
 - **Member of TC 1.11 – Electric Motors and Motor Control, Present**
 - **Former Chair of ASHRAE Standard Advisory Committee**
 - **Former Member & Past Chair of ARI 550/590 Engineering Committee for Liquid Chillers. 1975 – Present**
 - **Member of ASHRAE Journal & Insights Committee 7/03 – 6/04**
 - **Member of ISO WG-9- Liquid-Chilling Packages Using the Vapour Compression Cycle – Testing and Performance 1999 to Present**
 - **Past Chair of ASHRAE Technology Council**
 - **Past ASHRAE Society Treasurer & Chair of ASHRAE Finance Committee**
 - **Member & Past Chair of AHRI Research & Technology Committee**
 - **ASHRAE Board of Directors, Member – President-Elect**
-
- Holder of five patents.
 - Licensed Professional Engineer in the State of Virginia
-
- Received the R.C. Schulze Distinguished Service Award for 2000 from ARI
 - Received ASHRAE Distinguished Service Award –2002
 - Received ASHRAE Standards Achievement Award – 2004
 - ASHRAE Fellow
 - Received ASHRAE Exceptional Service Award - 2010