

## Large Chilled Water Design & Application

by

~ MICHAEL LICASTRO ~

**MANAGER OF TRAINING AND EDUCATION  
BELL & GOSSETT LITTLE RED SCHOOL HOUSE**

*Michael Licastro* received a Mechanical Engineering degree from the State University College at Buffalo and has over 27 years of practical experience in the application, design, and troubleshooting of Hydronic and Steam systems. His industry career began as an Outside Sales Engineer for a premier Manufacturers Representative company, working with every level of project stakeholders to ensure correct application and selection of products, proper piping system design, and evaluation of existing system problems, concluding with a corrective action plan. Currently, Mike is the Education and Training Manager for Commercial Business and HVAC at Bell & Gossett, a Xylem Company, which includes the oversight of the Little Red Schoolhouse training facility, e-Learning web-based training, and content updates to Technical Manuals. Mike is a Past-President of the Niagara Frontier Chapter of ASHRAE and has served as a Technical Instructor for multiple Steam and Pipe Fitters Union Apprentice Programs, located in the Northeast and Mid-Atlantic regions of the United States.

### INFORMATION TO BE COVERED WILL INCLUDE:

- Flow Control and Balance for Heat Transfer Coils (Including Piping Details and Valve Selection)
- Basic Air Management for Closed Loop Systems (Tank Sizing and Point of No Pressure Change)
- 1 and 2 Pipe Layout Design Strategies (Including identifying the "Critical Circuit")
- Primary Secondary or Constant and Variable Primary Systems
- Hydronic System Flow Determination and Pipe Sizing Guidance
- Pump Fundamentals
- Parallel Pumping
- Variable Speed Pump Control Practices (Including feedback sensor location)

**WEDNESDAY, DECEMBER 13, 2023**

8:00 AM - 4:00 PM \* To be held at

**DAWSON COMPANY LEARNING CENTER**

1681 W. Second Street, Pomona, CA 91766, (626) 797-9710

**MAPS WILL BE FURNISHED BY DAWSON COMPANY UPON REQUEST OF YOUR RESERVATION.**

**CONTINENTAL BREAKFAST WILL BE PROVIDED AT 8:00 AM; LUNCH WILL BE SERVED AT 12:00 PM.**

To ensure that each attendee receives the full benefit of this seminar, the class size is limited to 40 attendees.

Name _____ Company _____ Phone _____ Email _____	Name _____ Company _____ Phone _____ Email _____
Name _____ Company _____ Phone _____ Email _____	(A) Total Number of Persons Attending _____ (B) Total Cost of Seminar per Person: <b>\$50.00</b> Total Enclosed (AxB): \$ _____ <b>Please advise of any dietary requirements:</b> _____

**PLEASE MAKE CHECKS PAYABLE TO:**  
**DAWSON COMPANY**  
 P.O. Box 6011  
 POMONA, CA 91769-6011

**IF YOU WOULD LIKE TO PAY BY CREDIT CARD**  
 (VISA, MASTERCARD OR AMERICAN EXPRESS)  
**PLEASE CONTACT PLEASE CONTACT CRYSTAL OLGUIN**  
 AT 626-797-9710 EXT. 121 COLGUIN@DAWSONCO.COM