



Heat Transfer Sales LLC

HTS ProTraining 2021



New for 2021!

The
Engineer's
Toolbox
Series

A world of information is at your fingertips! Save time, know your options, and make more informed decisions for your clients. Learn how to use these tools from your local expert in one-hour sessions. PDH credits are available.

TACO Tools, Part 1: HVAC Pump Selection

Discuss when to apply different HVAC pump styles, review of pump affinity laws and pump curves, and hands-on training with online selection tool. Find online submittal data, CAD/REVIT files, specifications, and more!

TACO Tools, Part 2: Expansion Tank, Air Separator, and HX Selection

Review of air elimination system methods and equipment choices. Hands-on training with online selection tools for expansion tanks and shell-and-tube heat exchangers. Find online submittal data, CAD/REVIT files, specifications, and more!

TACO Tools, Part 3: HS2 System Design Software

A hands-on overview of free version of HVAC Solution's comprehensive HVAC system design tool, with focus on hydronic system schematic layouts and automatic equipment schedules.

AERCO and BOCK Domestic Water Heater Sizing/Selection Tools

Hands-on training with the HEATSMART online DHW Heater Sizing Tool and how to get the Manufacturer's Guarantee. Learn selection methodology for gas-fired and steam-fired instantaneous water heaters. Also included is a brief review of BOCK's ACCUSIZE online sizing tool for tank-type DHW heaters with the industry's longest standard warranty.

How to Choose and Specify Condensing Boilers (General Session)

Too many choices can be confusing! Narrow down condensing boiler selections by determining the important performance features and physical characteristics for your project, including space/footprint, burner performance, heat exchanger design and configuration, operating efficiencies, venting, warranty, controls, and other factors. Fun quiz at the end!

SHIPCO Steam Condensate and Boiler Feed Pump Sizing & Selection Tool

Learn the basics of condensate and boiler feed pumps with virtual pump animations. Review equipment styles and configurations. Overview of online calculators and sizing tools from one of the most steam-and-condensate-knowledgeable companies in the industry.

SYNCROFLO Domestic Booster Water Booster System Sizing & Selection Tool

Determine the flow and pressure needs of a tall building's water booster pump system utilizing online calculators and selection tools from one of the industry's most experienced pump system manufacturers.

See reverse for a list of PDH seminars available

Factory tours and training available for engineers

· Taco Comfort Solutions (Cranston, RI) · AERCO (Blauvelt, NY) · Syncroflo (Atlanta, GA) · Raypak (Oxnard, CA) · Shipco (Shippensburg, PA) · Acorn Engineering (Chicago, IL) · Metraflex (Chicago, IL) · Bock Water Heaters (Madison, WI)

Course Name	Short Description	Length	PDH Credits
Understanding Condensing Boiler Systems	Learn how system temperatures, flows, piping and varying loads impact operation and reliability.	1 hour or 2 hours	1 or 2
HVAC Pump Best Practices	Explore the anatomy of pumps and the effects of installation and maintenance on reliability.	1 hour or 2 hours	1 or 2
Air and Dirt <i>Does</i> Hurt	The effects of air and dirt in hydronic HVAC systems and methods to remove them.	1 hour	1
Humidification 101	Basic HVAC humidification principles, methods and best practices.	1 hour	1
Safe Hot Water on Tap	System strategies and equipment to ensure clean water at the perfect temperature on demand.	1 hour	1
Simple Piping Systems with LoadMatch	Hydronic system piping strategies to lower cost, energy and risk while improving comfort performance.	1 hour or 2 hours	1 or 2
The Eagle Eyed Engineer	Learn to spot common installation mistakes that shorten the life of HVAC pumps and other mechanical room equipment	1 hour	1
Pipe Expansion Compensation and Riser Design	Jim Clauss of Metraflex covers the dynamics of pipe movement in vertical risers and how to properly compensate. Includes lessons from the field with examples of what can go wrong.	1 hour	1
Steam 101	Steam trap applications, PRV station design and condensate return pumping.	1 hour	1
Head Banging for Engineers	A fun discussion of common HVAC and plumbing system design practices that should be challenged - there is a better way!	1 hour	1

To schedule any HTS ProTraining sessions, please contact your HTS sales representative.

Additionally, please [visit our website](#) and our [Hooked On Hydronics blog](#) for topics specific to hydronic HVAC systems.

